



# **PAZHASSI RAJA NSS COLLEGE, MATTANUR**

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## **SELF STUDY REPORT ACCREDITATION CYCLE II**

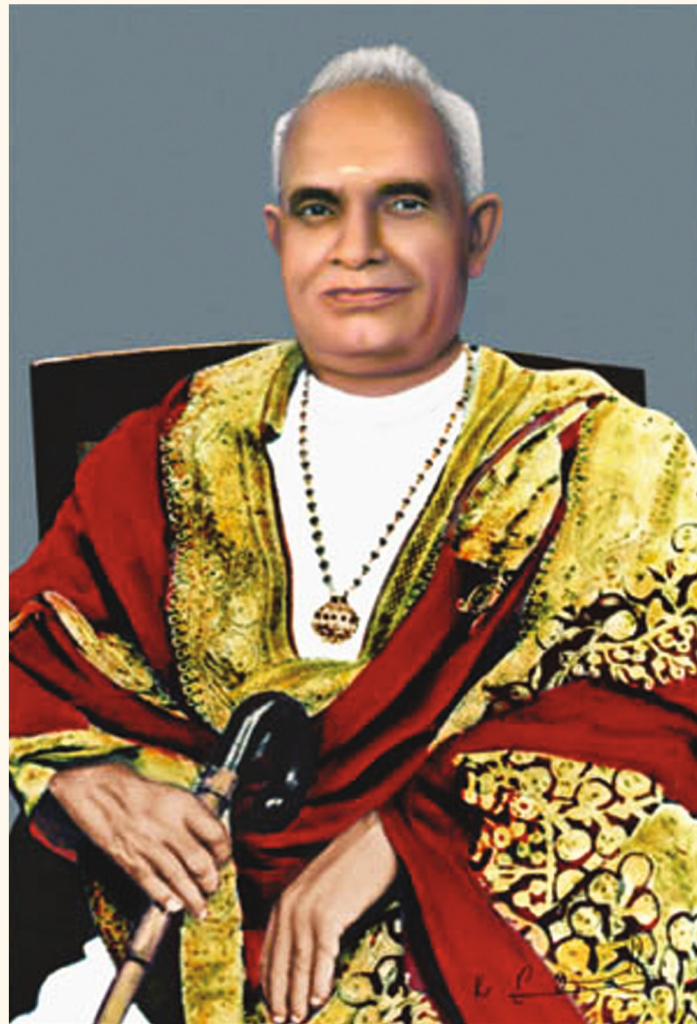
*Submitted to*



**NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL  
BANGALORE**

**MARCH 2017**

Our Founder



Padmabhooshan  
Sri. Mannathu Padmanabhan



## PREFACE

Pazhassi Raja NSS College, Mattannur, named after the great patriot and illustrious freedom fighter and native King, Sri. Kerala Varma Pazhassi Raja, the martyr who sacrificed his life fighting the British in the year 1805, was established in 1964 as a Junior College offering Pre Degree Courses in various disciplines. It was established by the Nair Service Society, the organization that was founded by the visionary social reformer and eminent educationalist Padmabhooshan Sri. Mannathu Padmanabhan, which has since then made sterling contributions to the dissemination and promotion of education in Kerala. Ever since its inception the College has progressed through a number of milestones which includes the incorporation of Undergraduate Courses in the year 1967, Postgraduate Course in 1999, Research Centre in 2006 and the most important, the “B” Grade Accreditation by NAAC in 2010.

The college which is situated a mere one and a half kilometers away from Mattannur, a town which is the headquarters of the Municipality, has a sprawling campus of 16.5 acres, which was donated by the generous members of the local public. The green and eco-friendly ambience prevailing in the campus is highly conducive to academic activities and also for evolving a comprehensive campus life with a wide variety of undertakings. As explicitly pronounced in our mission statement the college has always attempted to cater to the needs and aspirations of higher education in a just and equitable manner and has been committed to the dissemination of critical knowledge and scientific wisdom. As of now, the college offers a wide variety of undergraduate courses, post graduate courses and research courses at our campus. We are fully aware of the fact that we cater to a huge mass of financially underprivileged learners, as evident from the socio-economic reviews which clearly shows that 74 per cent of our students come from families which have an annual income which is much below Rs.50000. Most of our learners are first generation entrants to higher education. Therefore, while formulating institutional policies, ensuring equity and social justice happens to be our paramount concern and predominant yardstick. While academic excellence happens to be the foremost concern, the development of democratic awareness, involvement in nation building, acquisition of life skills and the development of a positive attitude towards life are also of acute significance in our specific context.

In spite of such seeming limitations, the college has made an excellent reputation in curricular, co-curricular, extension and sports activities always at par with and sometimes ahead of other institutions which enjoy much better and privileged backgrounds. Our results have consistently placed us within the top 5 percentile of the institutions affiliated to Kannur University. We have always maintained our academic initiative by designing the curriculum and implementing various certificate courses in addition to the mainstream courses affiliated to the University. Consistent efforts were put in to augment traditional teaching methods by introducing ICT enabled strategies with the participation of the students. We have highly competent faculties who have conscientiously updated themselves, by acquiring relevant extra qualifications and also by relentlessly adding to their subject related knowledge base. A large number of research assignments, project works and other related activities have been taken up by the students and teachers of the college. The extension activities that we have undertaken in the past cover all spheres of social and academic life and we have always received and reciprocated enthusiastic support from various NGO’s and self-governing bodies. The college has explored all avenues to incentivize such extension activities.

We have copiously utilized the existing infrastructure which includes the central library, computer lab, gymnasium, playgrounds, common rooms, office space and hostels. We have taken care to ensure that none of our limited resources are wasted or underused. The Counseling Cell and the Tutorial System have always striven to encourage the students to contribute their full potential towards the various activities within the college, the immediate society and the nation at large. College Students’ Union, NSS, NCC, various Clubs and Forums are actively engaged in promoting togetherness and team work through democratic interventions. The extensive activities carried out by these forums provide a healthy and spirited ambience to campus life and can surely proceed to generate the best of their natural potential in future. College office is automated to the

extent that it can support the welfare schemes of students and teachers. We have put in our best efforts to inculcate ecological concerns and green consciousness in our minds as well as in the young minds through careful and dedicated nurturing.

The out-and-out efforts by all faculty members and other stakeholders for the preparation of Self Study Report has once again helped us to remind ourselves of our responsibilities towards the young student community and to dedicate more towards the fulfillment of our mission and vision. It is with a sense of augmented pride and thorough fulfillment that we present this document, which is the realistic and authentic expression of our efforts, for assessment and accreditation by NAAC and for achieving the next milestone in our strife for excellence.

Mattanur  
29.03.2017

(Principal)

## CONTENTS

### Page No.

#### Abbreviations

#### List of Tables

#### Executive Summary

#### SWOC Analysis

#### Profile of the College

|   |     |
|---|-----|
| <b>Criterion-wise Analytical Report</b>             | 25  |
| Criterion I: Curricular Aspects                     | 25  |
| Criterion II: Teaching-Learning and Evaluation      | 53  |
| Criterion III: Research, Consultancy and Extension  | 83  |
| Criterion IV: Infrastructure and Learning Resources | 121 |
| Criterion V: Student Support and Progression        | 137 |
| Criterion VI: Governance, Leadership and Management | 167 |
| Criterion VII: Innovations and Best Practices       | 188 |
| <b>Evaluative Report of the Departments</b>         | 194 |
| Department of Physics                               | 194 |
| Department of Chemistry                             | 205 |
| Department of Mathematics                           | 215 |
| Department of Zoology                               | 222 |
| Department of Botany                                | 231 |
| Department of History                               | 236 |
| Department of Economics                             | 242 |
| Department of Commerce                              | 249 |
| Department of English                               | 258 |
| Department of Hindi                                 | 267 |
| Department of Malayalam                             | 275 |
| Department of Physical Education                    | 280 |
| <b>Post Accreditation Initiatives</b>               | 292 |
| <b>Annexure</b>                                     | 294 |

## **ABBREVIATIONS**

|                |  |
|----------------|--|
| <b>APT-TSE</b> | Academy of Physics Teachers-Talent Search Examination        |
| <b>ASAP</b>    | Additional Skill Acquisition Programme                       |
| <b>ATREE</b>   | Ashoka Trust for Research in Ecology and Environment         |
| <b>CED</b>     | Centre for Environment and Development                       |
| <b>CUK</b>     | Central University, Kerala                                   |
| <b>CUH</b>     | Central University, Hyderabad                                |
| <b>CUP</b>     | Central University, Pondicherry                              |
| <b>CUSAT</b>   | Cochin University of Science and Technology                  |
| <b>CWRDM</b>   | Centre for Water Resources Development and Management        |
| <b>DST</b>     | Department of Science and Technology                         |
| <b>EMC</b>     | Energy Management Centre                                     |
| <b>FLAIR</b>   | Fostering Linkages in Academic Innovations and Research      |
| <b>IFGTB</b>   | Institute for Forest Genetics and Tree Breeding              |
| <b>IISc</b>    | Indian Institute of Science                                  |
| <b>KSCSTE</b>  | Kerala State Council for Science, Technology and Environment |
| <b>KSFE</b>    | Kerala State Financial Enterprises                           |
| <b>KSHEC</b>   | Kerala State Higher Education Council                        |
| <b>MoEF</b>    | Ministry of Environment and Forests                          |
| <b>MOODLE</b>  | Modular Object Oriented Dynamic Learning Environment         |
| <b>NIT</b>     | National Institute of Technology                             |
| <b>NPTEL</b>   | National Programme on Technology Enhanced Learning           |
| <b>NYK</b>     | Nehru Yuva Kendra  |
| <b>PTTS</b>    | Physics Training and Talent Search                           |
| <b>SACON</b>   | Salim Ali Centre for Ornithology and Natural History         |
| <b>SDE</b>     | School of Distance Education                                 |
| <b>SSP</b>     | Scholar Support Programme                                    |
| <b>SSS</b>     | Student Support System                                       |
| <b>TFM</b>     | Total Fatty Matter   |
| <b>WWS</b>     | Walk With the Scholar  |

## LIST OF TABLES

| TABLE  | Page No. |
|--|----------|
| Table 1.1 Member of Faculty/Member of Syndicate during 2010 to 2017  | 28       |
| Table 1.2 Chairman of Board of Studies during 2010 to 2017   | 28       |
| Table 1.3 Members of Board of Studies during 2010 to 2017  | 28       |
| Table 1.4 Faculty members participated in State/University level Workshops for curriculum restructuring and modification | 29       |
| Table 1.5 Chairman of Examination Board during 2010 to 2017  | 30       |
| Table 1.6 Question paper setters of evaluation process during 2010 to 2017   | 30       |
| Table 1.7 List of open courses offered by various departments  | 41       |
| Table 2.1 Minimum and maximum percentage of marks for admission at entry level   | 54       |
| Table 2.2 Details of programmes offered during the last four years   | 57       |
| Table 2.3 Major academic enrichment programmes conducted by departments  | 60       |
| Table 2.4 Qualification of faculty members   | 69       |
| Table 2.5 Seminar/workshop attended/paper presented by faculty members   | 70       |
| Table 2.6 Academic development programme attended by faculty members   | 70       |
| Table 2.7 Training programmes organized by departments   | 71       |
| Table 2.8 List of faculty members who received awards/ recognitions  | 72       |
| Table 2.9 The programme wise results of the students for last five years   | 76       |
| Table 2.10 Rank Holders at university level  | 77       |
| Table 2.11 Students who qualified NET-JRF and other competitive exams  | 77       |
| Table 2.12 Programmes organized by Career guidance and counseling cell   | 79       |
| Table 2.13 Number of students got campus placement during last four years  | 80       |
| Table 2.14 Various activities organized by ED club during the last five years  | 81       |
| Table 3.1 Activities of the Research Cell for the last four years  | 83       |
| Table 3.2 Research Guides and Registered Research Scholars   | 85       |
| Table 3.3 Faculty members and their involvement in research  | 86       |
| Table 3.4 Faculty doing research for Ph D Degree   | 87       |
| Table 3.5 Faculty involved in Minor Research Projects  | 87       |
| Table 3.6 Faculty involved in Major Research Project   | 88       |
| Table 3.7 Seminars/ Conferences/Workshops organized  | 88       |
| Table 3.8 Recognized Research Guides and their respective areas of research  | 92       |
| Table 3.9 Faculty members and their respective areas of research   | 92       |
| Table 3.10 Researchers of eminence visited the campus  | 94       |
| Table 3.11 Minor Research Projects – Sanctioned/Completed  | 98       |
| Table 3.12 Major Research Projects – Sanctioned/Completed  | 99       |
| Table 3.13 Minor Research Projects – Proposals submitted for financial assistance  | 99       |
| Table 3.14 Equipments in Research Labs   | 100      |
| Table 3.15 Equipments in Chemistry Research Lab  | 101      |
| Table 3.16 Equipments in Physics Research Lab  | 101      |
| Table 3.17 Research Scholars using facilities of Chemistry Research Lab  | 102      |
| Table 3.18 List of publication per faculty   | 104      |
| Table 3.19 List of publication(books, chapters, articles) per faculty  | 104      |
| Table 3.20 List of publication(books with ISBN/ISSN numbers) per faculty   | 105      |
| Table 3.21 Citation index of publications per faculty  | 105      |
| Table 3.22 Ph.D Thesis Supervised  | 105      |



|   |     |
|---|-----|
| Table 3.23 Consultancy services provided by different departments   | 107 |
| Table 3.24 List of activities of different departments  | 110 |
| Table 3.25 Budgetary details of NCC and NSS   | 112 |
| Table 3.26 Outreach/extension activities and collaborating Institution/Agency   | 116 |
| Table 3.27 List of MoU  | 117 |
| Table 3.28 Eminent scientists/participants in national and international conferences organized                          | 117 |
| Table 3.29 List of activities and beneficiaries of linkages/collaborations  | 119 |
| Table 4.1 Details of the facilities developed and the amount used for infrastructure development during last five years | 123 |
| Table 4.2 Facilities available in men's and ladies hostel   | 124 |
| Table 4.3 Details of Library  | 126 |
| Table 4.4 Estimated amount spend for the purchase of books, journals,e-journals for the last five years                 | 128 |
| Table 4.5 Total computer, laptop with configuration available in the college  | 132 |
| Table 4.6 Computer and internet facility in various departments and office  | 132 |
| Table 4.7 Budget allocation for ICT facility for the last five years  | 133 |
| Table 4.8 Amount allocated in the budget for various items year wise  | 135 |
| Table 4.9 Amount spend for maintenance for the last five years  | 135 |
| Table 5.1. Percentage of students receiving financial assistance  | 138 |
| Table 5.2 List of Publications  | 142 |
| Table 5.3 Activities of Entrepreneurship Development Club   | 142 |
| Table 5.4 Details of students qualified in various competitive examinations   | 145 |
| Table 5.5 List of programmes organized by career guidance and counselling cell  | 147 |
| Table 5.6 Number of students employed for the past five years   | 148 |
| Table 5.7 Placement details of Sports students in various departments since 2011  | 148 |
| Table 5.8 Placement details of NCC cadets in various departments since 2011.  | 149 |
| Table 5.9 Details of activities of Grievance Redressal Cell   | 149 |
| Table 5.10 Student Progression-Department of Physics  | 150 |
| Table 5.11 student Progression-Department of Chemistry  | 151 |
| Table 5.12 Student Progression- Department of Mathematics   | 151 |
| Table 5.13 Student Progression- Department of Zoology   | 151 |
| Table 5.14 Student Progression -Department of Botany  | 151 |
| Table 5.15 Student Progression - Department of History  | 151 |
| Table 5.16 Student Progression - Department of Economics  | 151 |
| Table 5.17 Student Progression - Department of Commerce   | 152 |
| Table 5.18 Student Progression - Department of English  | 152 |
| Table 5.19 Student Progression - Department of Hindi  | 152 |
| Table 5.20 Programme wise pass percentage and completion rate - UG programme  | 152 |
| Table 5.21 Achievements of students in Kannur University youth festival   | 154 |
| Table 5.22 Achievements in sports - 2011-2012   | 156 |
| Table 5.23 Achievements in sports - 2012-13   | 156 |
| Table 5.24 Achievements in sports - 2013-14   | 157 |
| Table 5.25 Achievements in sports - 2014-15   | 157 |
| Table 5.26 Achievements in sports - 2015-16   | 158 |
| Table 5.27 Achievements in sports - 2016-17   | 159 |
| Table 5.28 Sports achievements 2016-17 Volleyball   | 159 |

|   |     |
|---|-----|
| Table 5.29 Achievements in Handball - 2016-17   | 160 |
| Table 5.30 Achievements in Chess, Wrestling and Judo - 2016-17                        | 160 |
| Table 5.31 List of players selected to Kannur Dist. Youth Volleyball team 2016-17     | 160 |
| Table 5.32 Achievements in Softball Men- 2016-17                                      | 161 |
| Table 5.33 Achievements in Softball Women- 2016-17                                    | 162 |
| Table 5.34 Achievements of NCC  | 163 |
| Table 5.35 Major achievements of NSS  | 164 |
| Table 6.1 Mission statement and institution's characteristics                         | 167 |
| Table 6.2 Institutions perspective plan for development                               | 173 |
| Table 6.3 Resolutions made by the Management Council and the status of implementation | 178 |
| Table 6.4 The audited income-expenditure statement for the last five years            | 183 |
| Table 6.5 Decisions of the IQAC approved by the management for implementation         | 184 |
| Table 6.6 Institutional mechanisms to review the teaching learning process            | 187 |

## **EXECUTIVE SUMMARY**

### **CRITERION I: CURRICULAR ASPECTS**

- Pazhassi Raja N.S.S.College, Mattanur is an aided college founded by the great social reformer Padmabhooshan Sri. Mannathu Padmanabhan and governed by the corporate management of Nair Service Society. The institution follows the curriculum and syllabus designed by Kannur University.
- Out of 43 permanent faculty members, 30 had been members of upper academic and administrative bodies of various Universities as Syndicate Member, Member of Faculty, Chairman of Board of Studies and Member of Board of Studies
- The institution offers 10 UG programmes, 2 PG programmes and 1 Ph.D. programme in Chemistry. Research laboratory of Department of Physics which produced 5 Ph.Ds till date has applied for recognition as Research Centre.
- In addition to the regular programmes, the institution has developed curriculum for 11 certificate programmes offered by different departments.
- Choice Based credit and Semester System introduced by the University in 2009-10 provide lateral mobility with the introduction of open courses.
- IQAC develops action plan for effective implementation of the curriculum every year based on feedback from students and parents.
- The institution adopts innovative ICT enabled teaching, learning and evaluation methods using NPTEL, Spoken Tutorial Programme by IIT Mumbai, virtual labs, simulations and online examinations for effective curriculum delivery and transaction.
- The institution networks with the beneficiaries like industry, research bodies and Universities through visits, collaborations and interactions.
- University curriculum is supplemented with both pedagogical innovations like WWS and SSP, two new initiatives of Govt. of Kerala and co-curricular and extracurricular activities.
- In order to increase the demand in employment market, the institution offers various skill oriented programmes like ASAP of KSHEC and Coaching for Entry in Services by UGC.
- The institution takes efforts to integrate the major cross cutting issues like Gender Equality, Climate Change, Environmental Education, Human Rights, ICT etc. into the curriculum through a number of activities organized by college student's union, NCC, NSS and various departmental clubs and forums supported by UGC, KSCSTE, CED, EMC, MoEF, local bodies, NGOs and PTA.
- To ensure holistic development of the students, the institution takes efforts to inculcate moral and ethical values in students and foster community orientation.

### **CRITERION II: TEACHING-LEARNING AND EVALUATION**

- The college follows the admission criteria laid by Kannur University and has a legitimate, transparent and well organized procedure. The admission policy of the institution and its student profiles demonstrate and reflect the national commitment to diversity and inclusion.
- 75% of the students in the college are girls and approximately 74% of the students belong to socially and economically weaker sections of the society.
- The college organizes orientation programme for the newly admitted students to acquaint them with the campus atmosphere, examination & evaluation processes, extra and co-curricular activities etc. The college conducts certificate courses and enrichment programmes to enable them to cope up with the programme of their choice
- The institution identifies and responds to special educational/learning needs of advanced learners by promoting them to appear for talent search examinations (APT-TSE), training programmes conducted by various institutes and organizations (PTTS, KSCSTE) and courses offered by NPTEL. WWS for advanced learners and SSP for slow learners are

being effectively implemented in the college. SSS scheme, a joint venture of teaching and non teaching staff is implemented to support financially and morally the underprivileged students.

- The institution follows student-centred teaching learning process effectively by adopting various teaching methods suited to the learning abilities of students like interactive learning using MOODLE, NPTEL, virtual lab etc., independent learning by accessing e-journals via N-LIST.
- The fully automated central library with Grandha Software, 31817 books, Journals, Magazines/Periodicals, News papers, e-journals, CDs, and N-LIST services augment the teaching learning processes.
- The college sensitize its staff and students on issues such as gender, inclusion, environment etc through various programmes organized by student's union, clubs and forums, NCC, NSS and Vanithavedi.
- The institution takes up initiatives to enhance the social and economic relevance of the courses offered through Centre for Career Guidance, Counseling and Extension, developing entrepreneurship by joining Entrepreneurship Development Club and nourishing Research Aptitude by promoting research culture through the organization of seminars, workshops and colloquium.
- The Principal and the academic committee plan, monitor and evaluate the academic activities of the institution. The IQAC sets the quality benchmarks/parameters for the various academic activities of the institution and monitors their effective implementation.
- Of the 43 permanent faculty members, 25 are PhD holders and 10 are doing research for PhD Degree. 6 faculty members are approved research guides of Kannur University. Two of the faculty members received awards / recognition at the State and National level for excellence in academics, literature and arts during the last five years.
- During the last five years, 17 faculty members attended refresher courses, 10 attended HRD programmes, 17 attended orientation programmes, 24 attended various seminars and workshops and 4 members attended staff training programmes conducted by University and other institutions.

### **CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION**

- The institution has two research centres, Chemistry and Physics (recognition procedure is under progress) and 6 research guides. 6 PhD's have been produced during the last six years and currently 13 research scholars are currently pursuing their research.
- Research cell functioning in the college aims at inculcating research inventiveness among the faculty members and students of the college. The institution promotes interdisciplinary research and the optimal use of available research facilities. The administrative support and academic freedom encourages the faculty to focus on the local environmental and social issues. The multidisciplinary journal published by the research cell provides an opportunity for the teachers to publish their research articles.
- The faculty members have completed 15 Minor Research Projects and 1 Major Research Project during the last five years. Proposals for 6 Minor Research Projects have been submitted for funding.
- The faculty published 62 research papers in National Journals, 84 in International Journals, 6 Books, 32 Articles, and 33 Book Chapters.
- Our faculty Dr Sumitha Nair and Dr. Sumith P.V received awards/recognitions for excellence in academics, literature and arts.
- The institution organized 11 National Seminars, 2 National Conferences, 2 National Workshops, 62 Regional Seminars and 13 Regional Workshops during the past six years.
- Many researchers of eminence visited our campus during the past six years. These initiatives provided a platform to share their knowledge and expertise with the faculty and the students so as to inspire them to explore higher possibilities in education and research.

- Considering the significance of institute-industry interface in the present global economic scenario, efforts are made by the college to provide maximum exposure to the students through the activities of the Entrepreneurship Development Club of the college.
- Since the institution realizes its role in the development of the society, it promotes its extension of the services to the society through consultancy. This being a Government aided institution; the faculty members are encouraged to offer voluntary consultancy services.
- Besides formal MoUs with 4 institutions, collaborative arrangements are made for the conduct of seminars and workshops in terms of financial and man power support.
- The college is keen to impart value education and to train students to take up responsibilities that transform them into socially committed citizens. The Institution promotes the participation of students in extension and outreach activities through NCC, NSS, different Clubs and forums and college students' union.
- The activities of NSS units of the college were recognized with awards as given below:
  - Selected for Best NSS Unit Award of Kannur University in 2012
  - Award for Best NSS Student volunteer: Mr. Sugesh M. in 2012
  - Award for Best NSS Programme Officer : Dr. Saji Kurup (Hindi Department) in 2012
  - Award for Best NSS Programme Officer : Mrs. Reena ( Chemistry Department) in 2013
  - National Youth Leadership Programme Award for NSS units in 2017

#### **CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES**

- The college has good infrastructural facilities which include adequate number of classrooms, laboratories, library, seminar halls, faculty rooms, girls' room, girls' friendly toilets, open air stage, play grounds, medicinal garden and hostels.
- The college library with more than 31,000 volumes and 65 journals is the prime learning resource of the institution. The library is automated with GRANDHA software, and author-wise and title-wise search is facilitated through OPAC. Subscription to N-LIST of INFLIBNET provides access to more than 6000 journals and 90,000 e-books.
- There are 83 computer systems in the college. Computer lab and administrative office are having LAN with internet connectivity. There are sufficient numbers of UPSs for ensuring power back up. Generators are also installed to ensure uninterrupted power supply in the campus.
- 200 meters track, multi gymnasium, basketball court, volleyball court, kho-kho court and hand ball courts provide a good ambience for sports and games.
- The college has separate hostels for men and women.
- Other facilities on the campus include canteen, drinking water facilities, post office and a co-operative store.

#### **CRITERION V: STUDENT SUPPORT AND PROGRESSION**

- The various dimensions of student progression are addressed by the college at different levels through a dynamically interwoven system. The accountability of the institution to the society is expressed through committed activities of various organizations within the college.
- Prospectus and college calendar gives comprehensive details about the programmes and facilities available in the college. The college website acts as a medium of communication with the society.
- The college takes effort to provide financial support available in the form of various scholarships (governmental/intuitional /other agencies) to students. More than 75% of our students avail various types of grants and scholarships. In addition to this the college has a unique venture- the Student Support System- through which the needy students avail financial support.



- Vigilant and coordinated activities of the anti-ragging committee, anti-sexual harassment cell and grievance redressal cell instill a sense of security and confidence in the college community. Various committees such as the discipline committee, anti-ragging squad and women's cell join hands to ensure the safety of students in the campus.
- Focusing on development of entrepreneurial skills the ED club of the college with a motto 'Earn while you Learn' organizes diverse programmes. The certificate courses offered by various departments also help students to develop professional and entrepreneurial skills. Women's cell and College central library also conducts activities to enhance entrepreneurial skill development in students.
- The Career Guidance Cell and the Coaching for Entry in Services Programme organize programmes to enhance the chances of employability of students. Free coaching classes, seminars, interactive sessions on personality/soft skill development and guidance services are provided to students.
- PG departments offer coaching programmes for students appearing for UGC-NET examination and an appreciable number of students have cleared NET-JRF examination.
- The multilevel system of monitoring and analysis of performance of students help to upgrade the achievement levels of students. Considerable number of students moves to higher levels of education and attainment. Students who are weak in their academic performances are supported by mentors/tutors and peers in their academic work.
- Democratic way of student leadership is ensured by the College Union which is elected through the Parliamentary mode of election.
- The college provides ample opportunities to students to express their co-curricular and extra-curricular talents. The cultural activities of the college are coordinated by the arts forum ARANGU, and the sports activities are coordinated by Department of Physical education. Our students exhibit consistently meritorious performance in arts and sports.
- The active NSS and NCC units of college through their dedication, hardwork and extension of services to society have ensured accountability of the institution.

#### **CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT**

- The NSS is a corporate management taking lead role in promoting the aided sector in education and thereby supporting common people and their educational requirements. The management is playing a pivotal role in formulating the higher education policies of the state by direct and indirect interactions and involvement with political parties and governments.
- The NSS management has a well structured educational system and planning with a long term vision of enhancing the quality of the educational institutions.
- The management works with the support of IQAC, College Development Committee and College Council to form well defined policy statements and action plans. The periodic review meetings strengthen the process towards the fulfillment of the stated mission.
- Participative management is promoted at all levels. The delegation of authority and provision of operational autonomy are implemented by decentralizing the governance.
- A democratic system of electing the College Students' Union following the Lyngdoh Commission Recommendations prevails in the College, and ensures peaceful academic ambience in the college.
- The management ensures that all the members of the staff comprehend the Vision and Mission of the college. The transparency of policies and sharing of responsibilities always help to foster a sense of belonging among all. Under the great leadership of the management, The Principal, HODs and staff members (both teaching and non-teaching), share responsibilities at each level and the team work is quite instrumental in building up an excellent working atmosphere in the campus.
- The college has a cordial relationship with all stakeholders - parents, alumni and the society. To reinforce the culture of excellence and to champion organizational change, the

policy statements and action plans are formulated based on feedback from the stakeholders.

- The institution has an inbuilt mechanism to respond to suggestions, complaints and grievances of students. The college interacts with its stakeholders formally and informally and timely measures are taken to solve the problems if any.
- The college provides a conducive environment for the development of professional competencies of the teaching and non teaching staff.
- The IQAC is envisaged as an internal nodal agency to evaluate, promote and consolidate all the activities of the college.

### **CRITERION VII: INNOVATION AND BEST PRACTICES**

- Our plastic free and eco friendly, green campus is situated on the edge of a laterite hill, one and half kilometer away from Mattanur, a small town in the eastern part of Kannur District, with an area of 16.5 acres is a part of 105.5 acre cashew and teak plantation owned by the Management. A 'Butterfly Garden', a 'Medicinal Plant Garden' and 'Mango Germplasm' in the campus add to the richness of its biodiversity.
- The institution conducted Green Audit at three levels; energy audit, water audit and biodiversity audit with the support of staff and student community of the college to encourage green consciousness among the stake holders.
- Rain water is being collected in the inbuilt catchment area of the campus so as to recharge the ground water. We have two rainwater harvesting tanks of 1 lakh liter capacity each.
- Extreme care is taken in managing the hazardous wastes like chemicals and acids from the laboratories.
- There is a vermin compost unit in the campus and pipe composts near every block to process the organic waste.
- Inter Library Loan Service, Little Library, Online examinations, Courses of NPTEL, MOODLE, Student IQAC, WWS, SSP, SSS and ASAP are some of the innovations introduced during the last five years which have created a positive impact on the functioning of the college.

#### **Best Practices**

- **i LEAD-** Inculcating Learner Enthusiasm and Awareness of Democracy  
As young citizens of our country the students have to be weaned towards loftier democratic concepts, detailed processes and mature practices which would enable them to accept and reciprocate the various themes associated with democracy like free and fearless articulation of ideas, tolerance towards opposition, synthesis of ideas and opinions, consensus building and sensitivity to secular values. There is also the need to acquaint the students with various processes like elections, representation, committee habits, organizing agenda based discussions and maintaining protocols. The students also need to be trained in organizing meetings, functions, competitions and cultural programs. These are the goals of the best practice conceived under the present title.
- **i SERVE-** Initiative for Service, Extension, Reformation and Volunteering in Education  
Learning process has to be seamlessly merged with various kinds of service and extension activities both for placing education on firm social grounds and also for inculcating a sense of volunteerism among the students. Often the under graduate curricula and syllabi do not go hand in hand with the immediate social reality from which the student community is drawn. Under such conditions education stands the danger of becoming an esoteric practice leading to learner passivity. Therefore the College has come up with various kinds of activities which would reinforce formal curricular transactions with service, extension and volunteering activities to make the learning process active, inclusive and socially oriented.

## SWOC ANALYSIS

|   |  |
|---|--|
| <p><b>TOP 5 STRENGTHS</b></p> <ol style="list-style-type: none"><li>1. Transparency in Admission/Appointments</li><li>2. High Girl Student Enrollment</li><li>3. Co-Curricular/Extra-Curricular Activities</li><li>4. Scholarships</li><li>5. Student Support Services</li></ol>  | <p><b>TOP 5 WEAKNESSES</b></p> <ol style="list-style-type: none"><li>1. Smart Class Rooms</li><li>2. Modern Laboratories</li><li>3. PG Programmes</li><li>4. Research Facilities</li><li>5. Consultancy</li></ol>  |
| <p><b>TOP 5 OPPORTUNITIES</b></p> <ol style="list-style-type: none"><li>1. Technology (demand for new technologies, distance education etc.)</li><li>2. Research and Collaboration</li><li>3. Global Initiatives</li><li>4. Workforce Needs(demand for trained skilled workers for industries)</li><li>5. Establish/Strengthen Partnerships</li></ol> | <p><b>TOP 5 CHALLENGES</b></p> <ol style="list-style-type: none"><li>1. Funding Reductions</li><li>2. Alternative Energy Issues</li><li>3. Competition from other Higher Education Institutions</li><li>4. Community's Disengagement/Complacency</li><li>5. Legal/Regulatory Changes</li></ol> |

## PROFILE OF THE COLLEGE

### 1. Name and Address of the College:

|           |                                  |                |
|-----------|----------------------------------|----------------|
| Name :    | PAZHASSI RAJA NSS COLLEGE        |                |
| Address : | MATTANUR COLLEGE (P.O), MATTANUR |                |
|           | KANNUR, Pin : 670702             |                |
| City :    | KANNUR                           | State : KERALA |
| Website : | www.pnsscollege.ac.in            |                |

### 2. For communication:

| Designation                    | Name                     | Contact  |
|--------------------------------|--------------------------|--|
| Principal                      | Dr. T. L. Remadevi       | Telephone: O:04902471253<br>R:04972711273<br>Mobile: 9447961273<br>Fax: 04902471747<br>e-mail: tl.remadevi@gmail.com |
| Vice Principal                 |                          |  |
| Steering Committee Coordinator | Dr. Maheshkumar Madathil | Telephone: R:04972728313<br>Mobile: 9447852056<br>e-mail: maheshkumar.knr@gmail.com                                  |

### 3. Status of the Institution:

Affiliated College  
Constituent College  
Any other (specify)

|   |
|---|
| √ |
|   |
|   |

### 4. Type of Institution:

#### a. By Gender

- |                   |                                     |
|-------------------|-------------------------------------|
| i. For Men        | <input type="checkbox"/>            |
| ii. For Women     | <input type="checkbox"/>            |
| iii. Co-education | <input checked="" type="checkbox"/> |

#### b. By Shift

- |              |                                     |
|--------------|-------------------------------------|
| i. Regular   | <input checked="" type="checkbox"/> |
| ii. Day      | <input type="checkbox"/>            |
| iii. Evening | <input type="checkbox"/>            |

### 5. It is a recognized minority institution?

Yes

No

|   |
|---|
|   |
| √ |

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

### 6. Sources of funding:

Government  
Grant-in-aid  
Self-financing  
Any other

|   |
|---|
|   |
| √ |
|   |
|   |

### 7. a. Date of establishment of the college: ...19/04/1964

b. University to which the college is affiliated/or which governs the college(If it is a constituent college)

Kannur University

c. Details of UGC recognition:

| Under Section | Date, Month & Year<br>(dd-mm-yyyy) | Remarks(If any) |
|---------------|------------------------------------|-----------------|
| i. 2 (f)      | 22/03/72                           |                 |
| ii. 12 (B)    | 22/03/72                           |                 |

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)-Not applicable.

| Under Section/<br>clause | Recognition/Approval<br>Details<br>Institution/Department<br>Programme | Day, Month<br>and Year<br>(dd-mm-yyyy) | Validity | Remarks |
|--------------------------|--|--|----------|---------|
| i.                       |  |  |          |         |
| ii.                      |  |  |          |         |
| iii.                     |  |  |          |         |
| iv.                      |  |  |          |         |

(Enclose the recognition/approval letter)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes ☐

No ☒

If yes, has the College applied for availing the autonomous status?

Yes ☐

No ☐

9. Is the college recognized

a. by UGC as a College with Potential for Excellence (CPE)?

Yes ☐

No ☒

If yes, date of recognition: ..... (dd/mm/yyyy)

b. for its performance by any other governmental agency?

Yes ☐

No ☐

If yes, Name of the agency ..... and

Date of recognition: ..... (dd/mm/yyyy)

10. Location of the campus and area insq.mts:



|                           |          |
|---------------------------|----------|
| Location *                | Urban    |
| Campus area in sq. mts.   | 66773.13 |
| Built up area in sq. mts. | 5430.249 |

(\* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

**11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.**

- Auditorium/seminar complex within infrastructural facilities ✓
- Sports facilities
  - \* playground ✓
  - \* swimming pool
  - \* gymnasium ✓
- Hostel
  - \* Boys' hostel ✓
    - i. Number of hostels-1
    - ii. Number of inmates- 37
    - iii. Facilities - Reading facility, Badminton court.
  - \* Girls' hostel ✓
    - i. Number of hostels-1
    - ii. Number of inmates- 46
    - iii. Facilities— Two study halls, dining area, kitchen and store.
  - \* Working women's hostel
    - i. Number of inmates
    - ii. Facilities(mention available facilities)
- Residential facilities for teaching and non-teaching staff (give numbers available—cadre wise)
- Cafeteria—✓
- Health centre— ✓

First aid, Inpatient, Outpatient, Emergency care facility, Ambulance.....  
Health centre staff—Nil

|                  |           |                      |           |                      |
|------------------|-----------|----------------------|-----------|----------------------|
| Qualified doctor | Full time | <input type="text"/> | Part-time | <input type="text"/> |
| Qualified Nurse  | Full time | <input type="text"/> | Part-time | <input type="text"/> |



|   |                     |   |  |  |  |  |     |
|---|---------------------|---|--|--|--|--|-----|
| 14                                      | Certificate courses | UGC sponsored Foundation course in Human Rights Education |  |  |  |  |     |
| UG Diploma                              |                     |   |  |  |  |  | Nil |
| PG Diploma                              |                     |   |  |  |  |  | Nil |
| Any Other (specify and provide details) |                     |   |  |  |  |  | Nil |

13. Does the college offer self-financed Programmes?

Yes

No

√

If yes, how many?

14. New programmes introduced in the college during the last five years if any?

|     |   |    |  |        |   |
|-----|---|----|--|--------|---|
| Yes | √ | No |  | Number | 2 |
|-----|---|----|--|--------|---|

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

| Faculty                | Departments<br>(eg. Physics, Botany, History)      | UG     | PG                 | Research  |
|------------------------|--|--------|--------------------|-----------|
| Science                | Physics, Chemistry, Mathematics<br>Zoology, Botany | BSc    | MSc<br>Mathematics | Chemistry |
| Arts                   | History, Economics, English,<br>Hindi              | BA     |                    |           |
| Commerce               | Commerce   | B.Com. | M Com              |           |
| Any Other<br>(Specify) | Nil  |        |                    |           |

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com...)

a. annual system

b. semester system

12

c. trimester system

17. Number of Programmes with

|   |    |
|---|----|
| a. Choice Based Credit System               | 10 |
| b. Inter/Multidisciplinary Approach         |    |
| c. Any other ( specify and provide details) | 2  |

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes ☐ No ☒

If yes,

- a. Year of Introduction of the programme(s)..... (dd/mm/yyyy) and number of batches that completed the programme
- b. NCTE recognition details (if applicable)   
Notification No.:  
..... Date:  
..... (dd/mm/yyyy)  
Validity:.....
- c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes ☐ No ☐

19. Does the college offer UG or PG programme in Physical Education?

Yes ☐ No ☒

If yes,

- a. Year of Introduction of the programme(s)..... (dd/mm/yyyy) and number of batches that completed the programme
- b. NCTE recognition details (if applicable)  
Notification No.:  
..... Date:  
..... (dd/mm/yyyy)  
Validity:
- c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?

Yes ☐ No ☐

20. Number of teaching and non-teaching positions in the Institution

| Positions | Teaching faculty |    |                     |   |                     |    | Non-teaching staff |   | Technical staff |   |
|-----------|------------------|----|---------------------|---|---------------------|----|--------------------|---|-----------------|---|
|           | Professor        |    | Associate Professor |   | Assistant Professor |    |                    |   |                 |   |
|           | *M               | *F | *M                  | * | *M                  | *F | *                  | * | *M              | * |

|  |  |  |   |   |    |    |    |   |   |   |
|--|--|--|---|---|----|----|----|---|---|---|
| Sanctioned by the UGC / University / State Government<br><i>Recruite</i>             |  |  | 2 | 4 | 13 | 23 | 13 | 2 | 2 | - |
| <i>Yet to recruit</i>  |  |  |   |   |    |    |    |   |   |   |
| Sanctioned by the Management/ society or other authorized bodies<br><i>Recruited</i> |  |  |   |   |    |    |    |   |   |   |
| <i>Yet to recruit</i>  |  |  |   |   |    |    |    |   |   |   |

\*M-Male \*F-Female

21. Qualifications of the teaching staff:

| Highest qualification | Professor |        | Associate Professor |        | Assistant Professor |        | Total |
|-----------------------|-----------|--------|---------------------|--------|---------------------|--------|-------|
|                       | Male      | Female | Male                | Female | Male                | Female |       |
| Permanent teachers    |           |        |                     |        |                     |        |       |
| D.Sc./D.Litt.         | -         | -      | -                   | -      | -                   | -      | -     |
| Ph.D.                 | -         | -      | 1                   | 4      | 7                   | 12     | 24    |
| M.Phil.               | -         | -      | -                   | -      | 1                   | 4      | 5     |
| PG                    | -         | -      | 1                   | -      | 5                   | 7      | 13    |
| Temporary teachers    |           |        |                     |        |                     |        |       |
| Ph.D.                 | -         | -      | -                   | -      | 1                   | -      | 1     |
| M.Phil.               | -         | -      | -                   | -      | -                   | 1      | 1     |
| PG                    | -         | -      | -                   | -      | 2                   | 16     |       |
| Part-time teachers    |           |        |                     |        |                     |        |       |
| Ph.D.                 |           |        |                     |        |                     |        |       |
| M.Phil.               |           |        |                     |        |                     |        |       |
| PG                    |           |        |                     |        |                     |        | 1     |

22. Number of Visiting Faculty /Guest Faculty engaged with theCollege.

20

23. Furnish the number of the students admitted to the college during the last four academic years.

| Categories | Year 1<br>2013-14 |       | Year 2<br>2014-15 |        | Year 3<br>2015-16 |        | Year 4<br>2016-17 |        |
|------------|-------------------|-------|-------------------|--------|-------------------|--------|-------------------|--------|
|            | Male              | Femal | Male              | Female | Mal               | Female | Male              | Female |
| SC         | 34                | 38    | 43                | 42     | 55                | 47     | 12                | 24     |
| ST         | 17                | 17    | 19                | 18     | 12                | 22     | 9                 | 19     |
| OBC        | 30                | 132   | 31                | 113    | 23                | 108    | 38                | 107    |
| General    | 56                | 173   | 88                | 172    | 97                | 198    | 75                | 208    |
| Others     |                   |       |                   |        |                   |        |                   |        |

24. Details on students enrollment in the college during the current academic year:

|                  |    |    |          |       |       |
|------------------|----|----|----------|-------|-------|
| Type of students | UG | PG | M. Phil. | Ph.D. | Total |
|------------------|----|----|----------|-------|-------|



|   |     |     |     |  |     |
|---|-----|-----|-----|--|-----|
| Students from the same state where the college is located | 457 | 30  | Nil |  | 487 |
| Students from other states of India                       | Nil | Nil | Nil |  |     |
| NRI students  | Nil | Nil | Nil |  |     |
| Foreign students  | Nil | Nil | Nil |  |     |
| Total   | 462 | 30  |     |  | 487 |

25. Dropout rate in UG and PG (average of the last two batches)

UG

10.24

PG

3.33

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) Including the salary component

Rs. 44,288

(b) Excluding the salary component

Rs. 1,743

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes

☐

No

☒

If yes,

a) Is it a registered centre for offering distance education programmes of another University

Yes

☐

No

☐

b) Name of the University which has granted such registration.

c) Number of programmes offered

d) Programmes carry the recognition of the Distance Education Council.

Yes

☐

No

☐

28. Provide Teacher-student ratio for each of the programme/course offered

| Name of the Programme/ Course | Student Teacher Ratio - UG |               | PG    |
|-------------------------------|----------------------------|---------------|-------|
|                               | Core                       | Complementary |       |
| BSc Physics                   | 24:01                      | 59:01         |       |
| BSc Chemistry                 | 17:01                      | 31:01         |       |
| BSc Mathematics               | 50:01                      | 30:01         |       |
| MSc Mathematics               |                            |               | 15:01 |
| BSc Zoology                   | 32:01                      | 18:01         |       |
| BSc Plant Science             | 15:01                      | 25:01         |       |

|              |       |        |       |
|--------------|-------|--------|-------|
| BA History   | 60:01 | 60:01  |       |
| BA Economics | 60:01 | 60:01  |       |
| BA English   | 14:01 | 110:01 |       |
| BA Hindi     | 40:01 | 40:01  |       |
| B.Com.       | 60:01 |        |       |
| M.Com.       |       |        | 15:01 |

29. Is the college applying for

Accreditation: Cycle1 ☐ Cycle 2 ☒ Cycle 3 ☐

Cycle 4 ☐ Re-Assessment: ☐

*(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)*

30. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: 15/09/2010, Accreditation Outcome/Result: **B**, CGPA: **2.62**

Cycle 2: ..... (dd/mm/yyyy), Accreditation Outcome/Result:.....

Cycle 3: ..... (dd/mm/yyyy), Accreditation Outcome/Result:.....

*\*Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.*

31. Number of working days during the last academic year - 158 days

32. Number of teaching days during the last academic year - 156 days

*(Teaching days means days on which lectures were engaged excluding the examination days)*

33. Date of establishment of Internal Quality Assurance Cell (IQAC): 11/06/2009

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

- AQAR (i) 2010-11 submitted on 01/08/11
- AQAR (ii) 2011-12 submitted on 22/08/12
- AQAR (iii) 2012-13 submitted on 26/11/13
- AQAR (iv) 2013-14 submitted on 05/12/14
- AQAR (v) 2014-15 submitted on 31/03/16
- AQAR (vi) 2015-16 submitted on 29/03/17

35. Any other relevant data(not covered above) the college would like to include(Do not include explanatory/descriptive information) - Nil

## CRITERION-WISE ANALYTICAL REPORT

### CRITERION I

#### CURRICULAR ASPECTS

#### 1.1 Curriculum Planning and Implementation

##### 1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

###### **Vision:**

###### **To excel in quality and to ensure equity in the field of higher education**

Education should lead to discovery and perfection of one's abilities and inculcate commitment to serve the interests of the community and the world as a whole. It was with this vision that the renowned social reformer and eminent educationalist Padmabhooshan Mannathu Padmanabhan founded this institution in Mattanur. The vision is instilled in every student of the college which enables him to become a self motivating agent of social change. The goal is to encourage and motivate each student to reach his/ her full potential to attain success.

###### **Mission:**

- To cater to needs and aspirations of higher education in a just and equitable manner.
- To produce and disseminate critical knowledge and scientific wisdom.
- To fulfill the pedagogic needs of the region.
- To recognize and promote latent talent and special skills of students.
- To consistently aim for quality and uncompromised enquiry.
- To uphold democratic and multi cultural values as the basis of higher education.
- To serve the national vision and aspirations from a regional platform.

b) Describe how these are communicated to the students, teachers and staff.

The vision and mission of the institution are included in the prospectus, student's handbook, teacher's work diary, college newsletter, "Impressions" and website. It is also displayed in all the Departments, the central library, college office and the Principal's chamber.

**To teachers:** Every academic year starts with a general teaching staff meeting especially to refresh the ideas on vision and mission of the college so as to re orient themselves to achieve the goal.

**To parents and students:** College IQAC conducts orientation programme for the freshers and their parents. Vision, mission and functional aspects of the college are explained in order to ensure their support to maintain the quality standard of the college.

**To non-teaching staff/administrative staff:** The Principal communicates the vision, mission and objectives during staff meetings.

**Other stakeholders:** The college prospectus and application form printed with vision and missions are distributed to students seeking admission in our college. The college newsletter, "Impressions" carries the message to other institutions, parents and the public.

##### 1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

- IQAC develops yearly action plan for the college and convey the same to all teaching staff through work diary in the beginning of the academic year.

- Individual subject plans are brought to the department council and are integrated to form a departmental year plan.
- Departmental plans are then brought to the college staff council.
- Various department plans together forms the Institutional Strategic Plan.
- The Principal and the convener of Academic Committee administer the effective implementation of the plan.
- The HOD has the responsibility of implementing the action plan within the stipulated time.
- The department integrates class room teaching with various other sources of knowledge like libraries, internet, field visits etc.
- Student feedback on the department and curriculum are collected at the end of every year.
- Feedback from parents is collected during PTS meetings.
- Feedback thus gathered is discussed in Departmental faculty council and the inferences drawn are considered while preparing action plan.

### **1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?**

University introduced the Choice Based Course, Credit and Semester System (CBCCSS) with direct grading and 5 point scale in 2009 and the first batch passed out in 2012. Semester system in PG courses was implemented from 2001 admission onwards. From 2014 onwards indirect grading with 7 point scale was instituted. The university supports the teaching staff by conducting syllabus revision workshops under the leadership of the Board of Studies in various subjects.

#### **Support from the Institution**

- Implementation of annual academic plan by the IQAC.
- Academic auditing by Academic Committee.
- Staff enrichment programmes like training on evaluation process, ICT learning etc.
- Teaching staff motivated to attend orientation programmes, refresher courses and summer schools conducted by Academic Staff Colleges and various National level institutes
- Periodic teacher evaluation by the students.
- PTS meetings and collection of feedback.
- Timely directions by the Principal and CBCCSS college level coordinator to department heads and department level coordinators.
- Presenting achievements of the department, faculty and students in college news letter and college magazine to publicize among stakeholders.

### **1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.**

The following are some of the initiatives taken by the institution for effective curriculum delivery and transaction

- Preparing annual academic plan for the institution.
- Maintaining work diary by teachers.
- Preparing departmental academic plan with course module and distribution among the students.
- Implementing ICT enabled teaching methods.

- Providing access to latest reference and text books, journals and internet.
- Motivating students to join online courses of NPTEL.
- Conducting regular and continuous internal assessments through assignments, seminars, test papers and viva voce.
- Providing guidance to students to undertake investigatory projects.
- Arranging study tour/field visits by the departments to places of academic interest.
- Conducting Seminars/workshops and enrichment programmes on topics of academic relevance
- Arranging interaction with eminent scientists and academicians
- Encouraging student's participation in department level club activities.
- Motivating students to enroll in NCC and NSS and supporting their activities.
- Organising cultural programmes under the banner of Students Union and Arts Forum of the college.
- Encouraging students to participate in sports and games activities conducted by Physical Education Department.
- Encouraging research activities in all departments.

### **1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum?**

- Departments conduct National seminars funded by UGC in collaboration with University Departments and National institutions. Some of the institutions/departments with which the college has collaborated are
  - National Institute of Technology, Kozhikode,
  - Department of Chemistry Kannur University
  - Centre for Water Resources Development and Management Kozhikode
  - Zoological Survey of India
  - District Industries Centre and Chamber of Commerce,
  - Folklore Academy
  - Department of Mathematical Science, Kannur University.
- Physics, Chemistry, Zoology and Botany Departments regularly conduct programmes like observation of World Environment Day, Ozone Day and National Science Day with the support of Kerala State Council for Science, Technology and Environment and DST.
- Department of Physics celebrated the International Year of Light with the support of Kerala State Council for Science, Technology and Environment.
- Department of Chemistry conducted a national workshop for college teachers in Microscale Analysis with the support of Kerala State Council for Science, Technology and Environment.
- Zoology Department is a partner in National Environment Awareness Campaign organized by Centre for Environment and Development and Ministry of Environment and Forests, Govt. of India in 2014 and 2015.
- Students regularly visit research labs, industries and museums to enrich their academic interest and research aptitude. Some of the important institutes/industries students visited during the last five years are
  - Visweswarayya Museum, Bangalore
  - Centre for Nano Science and Engineering, IISc, Bangalore,
  - Vikram Sarabhai Space Centre, Thiruvananthapuram
  - Mysore Silks, Mysore

- Fertilizers and Chemicals Travancore, Kozhikode
- Malabar Cements, Palakkad
- Central Marine Fisheries Research Institute, Cochin, Chennai and Rameswaram;
- Biological Museum at Thiruvananthapuram and Chennai
- Sericulture Research Institute at Ootty
- Zoological Survey of India at Kozhikode and Chennai
- Kerala Forest Research Institute, Thrissur.
- Malabar Botanical Garden, Kozhikode
- Kerala Agricultural University, Thrissur
- Western India Plywood, Kannur
- Industrial Estates at Palayad and Kuthuparamba.
- IIT, Chennai.
- Organizes lectures and interactions with persons from industries and research institutes.
- The 'Entrepreneurship Development Club' of the institution makes regular visit to industries.

**1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.**

- Most of our faculty members actively participate in curriculum revision workshops conducted by the University for the preparation of curriculum and syllabus for various courses.
- Faculty members who have represented our college in various bodies of University during last six years are:

**Table 1.1** Member of Faculty/Member of Syndicate during 2010 to 2017

| Name               | Faculty/Member of Syndicate                | Period       | University        |
|--------------------|--|--------------|-------------------|
| Dr. K Pradeepkumar | Member of Senate                           | 2009-11      | Kannur University |
|                    | Member of Syndicate                        | 2009-11      | Kannur University |
| Dr. Hemalatha A.V. | Faculty of Commerce and Management Studies | 2013 onwards | Kannur University |

**Table 1.2** Chairman of Board of Studies during 2010 to 2017

| Name                | Subject        | UG/PG | University        |
|---------------------|----------------|-------|-------------------|
| Dr. T.L. Remadevi   | Physics        | UG    | Kannur University |
| Dr. K. Pradeepkumar | Chemistry      | UG    | Kannur University |
| Dr. Hemalatha A.V.  | Commerce       | UG    | Kannur University |
| Dr. Sumitha Nair N  | Dance Combined | UG&PG | Kannur University |

**Table 1.3** Members of Board of Studies during 2010 to 2017

| Name              | Subject | UG/PG | Period  | University        |
|-------------------|---------|-------|---------|-------------------|
| Dr. T.L. Remadevi | Physics | UG    | 2010-14 | Kannur University |
|                   |         | PG    | 2010-12 | Kannur University |

|                           |                    |          |                    |                              |
|---------------------------|--------------------|----------|--------------------|------------------------------|
| Dr. K. Deepa              | Electronics        | UG       | 2011-13            | Kannur University            |
| Dr. R.K. Biju             | Electronics        | UG       | 2013-15            | Kannur University            |
|                           | Physics            | UG       | 2015-17            | Kannur University            |
|                           | Instrumentation    | UG       | 2013-15            | Calicut University           |
| Mr. Satheesan M.K.        | Chemistry          | UG       | 2010-12            | Kannur University            |
| Dr. Sreejith P.           | Polymer Chemistry  | UG       | 2013-15            | Calicut University           |
| Dr. Mohanakrishnan Kalady | Chemistry          | UG       | 2013-15            | Kannur University            |
| Ms. Usha K.K.             | Mathematics        | PG       | 2015-17            | Kannur University            |
|                           |                    | UG       | 2013-15            | Kannur University            |
|                           |                    | UG(Hon ) | 2015-17            | Kannur University            |
| Ms. Ragi P.V.             | Mathematics        | UG       | 2015-17            | Kannur University            |
| Mr. Biju K.               | Mathematics        | UG       | 2015-17            | Kannur University            |
| Mr. P. Muraleedharan      | Zoology            | UG       | 2010-12            | Kannur University            |
| Dr. Maheshkumar Madathil  | Zoology            | UG       | 2010-12            | Kannur University            |
| Dr. T.P. Raveendran       | Botany             | UG       | 2010-12            | Kannur University            |
| Dr. K.B. Vidhya           | Economics          | UG       | 2013-15<br>2015-17 | Kannur University            |
| Ms.K.N. Vijayalakshmi     | Commerce           | PG       | 2011-15            | Kannur University            |
| Dr. Hemalatha A.V.        | Commerce           | PG       | 2013 onwards       | Kannur University            |
| Dr. Abraham George        | Commerce           | PG       | 2015-17            | Kannur University            |
|                           |                    | UG       | 2013-15            | Kannur University            |
| Dr. P.P. Lakshmanan       | Commerce           | UG       | 2010-12            | Kannur University            |
| Mr. M. Vijayan            | Commerce           | PG       | 2011-13            | Kannur University            |
| Dr. Sugathakumari A.      | English            | PG       | 2015-17            | Kannur University            |
|                           |                    | UG       | 2013-15            | Kannur University            |
| Dr. Rakhi Raghavan        | English            | UG       | 2015-17            | Kannur University            |
| Ms. Meena Shankar         | English            | UG       | 2010-12            | Kannur University            |
| Dr. Lekha P.              | Hindi              | UG       | 2010-12            | Kannur University            |
|                           |                    | PG       | 2014 onwards       | Kannur University            |
| Mr. P.T. Muraleedharan    | Physical Education | UG& PG   | 2015-17            | SreeSankaracharya University |

**Table 1.4** Faculty members participated in State/University level Workshops for curriculum restructuring and modification

| Name                    | Subject     | State level | University level |
|-------------------------|-------------|-------------|------------------|
| Dr. T.L. Remadevi       | Physics     |             | √                |
| Dr. K. Deepa            | Physics     |             | √                |
| Dr. R.K. Biju           | Physics     | √           |                  |
| Ms. Usha K.K.           | Mathematics |             | √                |
| Mr. Biju K.             | Mathematics |             | √                |
| Dr. MaheshkumarMadathil | Zoology     |             | √                |
| Dr. K.B. Vidhya         | Economics   | √           | √                |
| Ms. K.N. Vijayalakshmi  | Commerce    |             | √                |



|                      |              |  |   |
|----------------------|--------------|--|---|
| Dr. Hemalatha A.V.   | Commerce     |  | √ |
| Dr. Abraham George   | Commerce     |  | √ |
| Mr. M. Vijayan       | Commerce     |  | √ |
| Dr. Sugathakumari A. | English      |  | √ |
| Dr. RakhiRaghavan    | English      |  | √ |
| Mr. Ravikrishnan T   | English(SDE) |  | √ |
| Dr. Lekha P.         | Hindi        |  | √ |

- Faculty members serve as Chairman of Examination Boards, Chief Examiners, Additional Chief Examiners and Question setters of evaluation process of the University.

**Table 1.5** Chairman of Examination Board during 2010 to 2017

| Name                   | Subject   | UG/PG    | University        |
|------------------------|-----------|----------|-------------------|
| Dr. K.B. Vidhya        | Economics | UG       | Kannur University |
| Ms. K.N. Vijayalakshmi | Commerce  | UG       | Kannur University |
| Dr. Hemalatha A.V.     | Commerce  | PG (SDE) | Kannur University |
| Dr. Abraham George     | Commerce  | UG&PG    | Kannur University |
| Dr. Sugathakumari A.   | English   | UG       | Kannur University |
| Dr. Lekha P.           | Hindi     | UG       | Kannur University |

**Table 1.6** Question paper setters of evaluation process during 2010 to 2017

| Name                    | Subject               | UG/PG  | University  |
|-------------------------|-----------------------|--------|---|
| Dr. R.K. Biju           | Physics               | UG     | Calicut University  |
| Dr. Amrutha K. Adiyodi  | Physics               | UG     | Kerala University   |
| Usha K.K.               | Mathematics           | UG     | Kerala University   |
|                         |                       |        | Calicut University  |
| Dr. MaheshkumarMadathil | Environmental Studies | UG     | Mar Ivanios College, Thiruvananthapuram (Autonomous)      |
| Dr. Hemalatha A.V.      | Commerce              | UG     | Calicut University  |
| Dr. Abraham George      | Commerce              | UG     | S.B.College, Changanassery (Autonomous)                   |
|                         |                       |        | Calicut University  |
| Mr. Shaji E.V.          | Commerce              | UG     | Calicut University  |
| Dr. Sugathakumari A.    | English               | UG     | Kerala University   |
| Dr. C. Padmanabhan      | English               | UG     | Kerala University   |
| Dr. RakhiRaghavan       | English               | UG     | Kerala University   |
| Dr. Sumitha Nair        | Mohiniyattam          | UG& PG | Kerala Kalamandalam Deemed University for Art and Culture |

- Feedback collected from students, parents and alumni are analyzed and suggestions submitted to the University regarding employability of the course, need for job oriented training, strict adherence to examination schedule and timely publication of result.
- Since most of the commerce postgraduates seeks job abroad, our faculty recognized the need for a course in international financial management. They represented the same in upper bodies of the University and recommended for introducing an additional paper on International Financial Management for the PG programme.



**1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.**

Yes, the institution develops curricula for the various certificate courses offered by it as add on courses for undergraduate students. The details on the process are given below:

- **Needs Assessment:** The needs assessment of the courses is done through both formal and informal methods. The generally perceived needs, the explicit needs that come up during tutorial and other interactions with the students, the special skills and abilities of the faculty to act as resource persons for such courses, and the infrastructural facilities in the institution are the major parameters for deciding on the type, theme and tenure of such courses.
- **Design:** The responsibility for designing the curriculum is undertaken by the parent department which proposes to conduct the course. Curricula are designed within certain broad parameters stipulated by the institution. Being a certificate course of an add-on nature care is taken to ensure that the curricula contain an equitable mix of theory, practice and the development of specific skills. The elements of the curricula are mentioned in the specific curriculum statements of the respective courses. Mostly these courses are single module courses which would guarantee extra credits to the students when they go for employment or higher studies. The effective implementation of the curricular aspects and the administrative role is played by the parent department which offers the course.
- **Curriculum Development:** The aid and advice of external experts and resource persons are sought while developing specific curricula. Special care is also taken to ensure that the course is endowed with a contemporary and practical content. Basically there are two specific aspects that the institutional level curricula hope to achieve. The first is to develop those skills which are not specifically addressed by the undergraduate curricula prescribed by the university. The second is to augment the campus life of the students by providing them with opportunities for cultural interactions and skill development.
- **Curriculum Planning:** The curricula are planned in keeping with the needs of the students and the nature of the courses to be offered. Various factors like the general time table for the undergraduate courses, the co-curricular activities and extra-curricular activities, examination calendar published by the University are taken into consideration while planning the fine details of the course.

The certificate courses offered during the last five years are:

- Certificate course on Basic Computational Skills and Graphics
- Certificate course in Introduction to Latex, a technical documentation tool
- Certificate course in Mushroom Cultivation
- Foundation course in Human Rights Education
- Certificate course in Accounting and Taxation
- Certificate course in Photography
- Certificate course in Hindi Translation
- Certificate Course in DTP in Hindi
- Certificate Course in Spoken Hindi
- Certificate course in Classical Dance: Theory and Performance
- Certificate Course in Computer Hardware Maintenance & Networking

### 1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

- Continuous evaluations of students are done through test papers, assignments, seminars and viva voce.
- Departments prepare a report on activities at the end of every semester.
- Academic committee conducts semester wise academic auditing.
- Student performance, department reports and academic audit reports are analyzed in IQAC meeting and the suggestions are forwarded to the college council. Departments implement the recommendations with the support of the faculty.
- Career guidance and counseling cell provides placement and conducts orientation programmes on carries opportunities for students.
- Departments conduct orientation programmes on higher study options and ensure their enrolment.

## 1.2 Academic Flexibility

### 1.2.1 Specifying the goals and objectives give details of the certificate/diploma/ skill development courses etc., offered by the institution.

The institution offered eleven certificate courses during the last five years for the academic and integral development of our students.

#### 1. Certificate course on Basic Computational Skills and Graphics (Conducted by Department of Physics, 2016-17)

**Needs Assessment:** The emerging technological society demands professionals highly competent in handling computational and graphical softwares. So it is the responsibility of higher education institutions to train the students with adequate soft skills along with the conventional courses. The UG students pursuing BA or B.Sc. courses usually find it difficult to prepare project reports which are a part of their curriculum due to their inefficiency in exploring necessary softwares. This prompted the Department of Physics to launch an add-on course in Basic Computational Skills and Graphics.

#### Aspects of the Course:

- **Design:** The course was designed in such a way so that the students could undergo it and complete its requirements without jeopardizing their regular subjects. The various elements of the course are theory of MS office, applications of different software used for computation and graphics and the method of preparing a project report. The course comprises three modules which would guarantee extra credits to the students when they go for higher studies. The effective implementation of the curricular aspects and the administrative role is played by the Department of Physics which offers the course.
- **Curriculum Development:** The aid and advice of external experts and resource persons were sought while developing specific curricula. Special care was also taken to ensure that the course is endowed with a contemporary and practical content. Basically there are two specific aspects that the institutional level curricula hope to achieve. The first is to develop those skills which are not specifically addressed by the undergraduate curricula prescribed by the university. The second is to augment the campus life of the students by providing them with opportunities for scientific interactions and skill development.

#### Graduate Attributes

Upon completion of the course the student will be able to

1. Gain a basic understanding of Microsoft office.
2. To train students capable to do complicated calculations in easier way using excel programme.
3. Acquire the fundamentals of graphics using excel and origin
4. To develop an ability to prepare a project report.

**Assessment and Evaluation:**

The evaluation shall consist of both continuous and end of the course assessments. Assignments, Internal Examinations and Viva-Voce shall be conducted as a part of Continuous evaluation with a detailed written examination and practical examination could be conducted as the final examination. The CE: ECE ratio shall be 1:1.

**2.Certificate course in Introduction to Latex, a technical documentation tool**

**(Conducted by Department of Mathematics, 2016-17)**

**Need Assessment:** With the development of digital technology and various softwares and programming languages, the learning and teaching procedure became globalized. Hence practice of such software based languages has become part and parcel of academicians as well as students. Therefore the department felt that there was a latent need among the students for acquiring basic expertise on some softwares and offered a specific documentation tool - Latex. Instead of conducting a formal need assessment process, the Department made an announcement among the students regarding the course and the response was positive.

**Aspects of the Course:**

- **Design:** The course was designed in such a way so that the students could undergo it and complete its requirements to complement their regular subjects. The various elements of the course are documentation types, logical commands, mathematical packages etc. The course comprises two modules which would guarantee extra credits to the students when they go for employment or higher studies.
- **Curriculum Development:** The aid and advice of external experts and resource persons were sought while developing specific curricula. Special care was also taken to ensure that the course is endowed with an updated and practical content. The important aspect of the curricula is to achieve skills which are not specifically addressed by the under graduate curricula prescribed by the university.

**Graduate Attributes**

Upon Completion of the Course the Student will be able to

1. Acquire skills to use digital knowledge resources in learning.
2. Gain a basic understanding of a new type setting software which is very useful for mathematics people.
3. Attain digital method for easy writing of articles, letters, project, thesis etc.
4. Gain basic knowledge regarding various mathematical softwares.
5. Make uniformity in documentation involving mathematical contents.
6. Make interaction between mathematical skill and digital logic.
7. Undertake study of various other softwares, especially mathematical softwares.

**Assessment and Evaluation:**

The evaluation shall consist of both continuous and end of the course assessments. Assignments, Seminars, Internal Examinations and Viva-Voce shall be conducted as a part of Continuous Evaluation while a detailed written examination and practical examination could be conducted as the final examination. The CE:ECE ratio shall be 2:3

### 3. Certificate Course in Mushroom Cultivation

(Conducted by Department of Botany, 2016-17)

**Need Assessment:** Kerala is rich in educated manpower and bio-resources. However, there is deficiency in skilled manpower for translating technologies into products and services. For example, there are a number of Biological R & D institutions and universities developing biotechnologies in Kerala. Their technologies are readily available for transfer to rural as well as urban areas for livelihood and employment generation.

#### Aspects of the course

- **Design:** Mycology is a broad discipline, conventionally associated with Botany/Plant science courses. It is the study on mushrooms. Mushrooms are defined as those fungi, which produce macroscopic fruit-bodies having gills. Their biology is more elaborate than that of the other fungi conventionally called micro-fungi. Edible species of mushrooms have been cultivated for long. It is an art and technology. However there is distinct demarcation between mushroom cultivation technology and more sophisticated mushroom biotechnology. Therefore, the present course is conveniently divided into 2 subcategories viz. Mycology and mushroom biology and Applied mushroom Biology and Bio-technology.
- **Curriculum Development:** Curriculum for the course has been developed by the faculty of the department in consultation with External experts and Central R & D institutes.

#### Graduate attributes

Upon completion of the course, the student will be able to

1. Take up assignments in production centers as Assistants, mushroom technologists, production managers etc.
2. Establish and operate own enterprises in mushroom production and marketing.
3. Train unemployed youths in the field.

#### Assessment and Evaluation

Performance of students will be assessed by conducting theory and practical examinations at the end of the course which spans from June to March. The certificate course carries 20 credits and grading system will be followed as in the case of other UG Courses. Evaluation shall comprise both internal and external components. The board of examiners shall decide the pattern of question papers for theory and practical examinations.

### 4. Foundation Course in Human Rights Education

(Sponsored by UGC & conducted by Department of Economics 2011-16)

#### Need Assessment:

The Foundation Course in Human Rights Education intends to promote the 2 core values proposed by NAAC- contribution to national development and inculcate a value system among the students. In recent years, nations all over the world are witnessing disturbing trends in the form of violence and terrorism. The course aims to sensitize and humanize the younger generation so that they will be a part of the solution and not of the problem. The course will provide conditions for fuller realization of the human potential. It will help to channelize the human potential for constructive development of the society and thereby attain the overall vision of building a human, participatory and democratic society. Legal literacy in the form of rights education would contribute to the enhancement of dignity and empowerment of the marginalized and excluded sections of the society, especially the women community. Human Rights Education also focuses on value education. It creates awareness and commitment to values where the individualistic self- interest is properly reconciled with the collective and common good. The Course will help develop respect for human rights and ensure that both teachers and students practice those values in their everyday life.

**Design:**

The UGC Model Curriculum on Human Rights was followed as the syllabus. The course was of 3 months duration every year.

**Curriculum Development & Planning:**

The course was implemented using internal and external resource persons. The department conducted legal awareness classes and moot courts as part of the course. The department celebrated the World Human Rights Day in collaboration with the District Legal Services Authority in the years 2013 and 2014.

**Evaluation**

The evaluation was done on the basis of a test paper and certificates were given to the students who successfully completed the course.

**5. Certificate course in Accounting and Taxation  
(Conducted by Department of Commerce, 2014-15)****Needs Assessment**

In the most modern business era which is characterized by E- banking, the pace of the transaction is comparatively high. With the high volume of trade both domestic and international the system and modes operandi of accounting also went through tremendous transformation. Despite being a paper of B.Com course pupil are less oriented and unaware of the present accounting requirement. They get very less regarding the practical aspects of the accounting and taxation. At times syllabus doesn't reflect the real market demand and requirement of being conformed to the prevalent knowledge base. Hence it is thought prudent to launch a new course in the spectrum of accounting and taxation.

Nomenclature: The course programme is entitled as "Certificate course in Accounting and Taxation" and the mere name of the course implies what actually the programme is meant for. As the name indicates, it covers practical areas of accounting and taxation.

**Aspects of the course:**

- **Design:** Utmost care and diligence is employed in the designing of the course to ensure that the programme doesn't collide and overlap with the regular curricular subjects. The schedule and timing of the course is framed in such a way that students can undergo it without losing their regular classes and the same can be concluded before the academic year comes to an end. In that way the design promises real value addition to the beneficiaries. Course comprises of five modules and each module is having a specified percentage of practical problems to solve in the class room learning atmosphere. Each module is structured to see that it helps the students in varied ways while pursuing employment in future after its successful completion.
- **Curriculum Development :** The curricula is enriched with the guidance and expertise of eminent financial analyst, professional experts like CA, CS, CMA , Research guides, scholars and the officials of DIC. Syllabus is not over burdened with unnecessary remarks on obsolete and irrelevant database. Curriculum is inclusive of daily business transactions which otherwise is not incorporated in the syllabi of B.Com. The curricula as such may be treated as a pool of academic resources and brain exercise to address the inquisitive academic fraternity.

**Graduate Attributes**

On successful completion of the course the student will be able to achieve the following:

1. Acquire a basic understanding of the practical accounting and the origin of the transactions
2. Analyze the various source documents before proceeding to accounts
3. Preparation and analysis of financial statements



4. Understand the auditing terminology and procedures usually followed by Chartered accountants
5. Identify the need of preparing the audit working papers.
6. Calculate the income tax of Individuals and corporate and Filing of IT Return
7. Gain knowledge on corporate tax planning with due consideration for tax exemptions and deductions.

**Assessment and Evaluation:**

The evaluation processes consists of both continuous and end of the course assessments. Assignments, Seminars, Internal Examinations and Viva-Voce shall be conducted as a part of Continuous Evaluation while a detailed written examination and practical examination could be conducted as the final examination. The proportion of continuous evaluation and end course evaluation is 7:3.

**6. Certificate course in Photography**

**(Conducted by Department of English, 2016-17)**

**Need Assessment:** With the emergence of multimedia technology and the prevalence of various types of digital devices, the exposure to the art and practice of photography has almost become a part and parcel of daily life for everyone. Photography has become an essential part of new social media interactions and the knowledge of photography has become a social skill in the present times. Therefore the department felt that there was a latent need among the students for acquiring basic expertise in photography. Instead of conducting a formal needs assessment process the department made an announcement among the students regarding the course and the response was overwhelming. In addition to this, since the department was offering "Journalism" as a complementary course for B.A in English Language and Literature the department was already availing the services of a guest lecturer for the course and it was felt that his help could be sought for designing and implementing the course.

**Aspects of the Course:**

- **Design:** The course was designed in such a way so that the students could undergo it and complete its requirements without jeopardizing their regular subjects. The various elements of the course are theory of photography, history of photography, hands on training in the use of various kinds of cameras, digital technology and the use of various kinds of application software. The course comprises a single module which would guarantee extra credits to the students when they go for employment or higher studies. It would begin with a summary assessment of the history of photography and move on to the contemporary scenario and culminate in the inculcation of hands on skills. The effective implementation of the curricular aspects and the administrative role is played by the Department of English which offers the course.
- **Curriculum Development:** The aid and advice of external experts and resource persons were sought while developing specific curricula. Special care was also taken to ensure that the course is endowed with a contemporary and practical content. Basically there are two specific aspects that the institutional level curricula hope to achieve. The first is to develop those skills which are not specifically addressed by the undergraduate curricula prescribed by the university. The second is to augment the campus life of the students by providing them with opportunities for cultural interactions and skill development.

**Graduate Attributes**

Upon Completion of the Course the Student will be able to

1. Gain a basic understanding of the history of the origin and development of photography.

2. Gain a basic understanding of the development of the camera and the related technology.
3. Gain a basic understanding of the contemporary trends in photography.
4. To assimilate photo-journalism as a specific subject and vocation.
5. To develop and understand the ethical and legal implications of journalism and photo-journalism.
6. To gain hands on training in the use of various kinds of cameras and related equipment.
7. To gain basic knowledge regarding video photography.
8. To familiarize themselves with the basics of digital photography and the use of various kinds of application software used for editing and storing images.
9. To appreciate the basics of cyber law provisions with regard to the use of phones and Photography.
10. To put photography to use in various social situations for the furtherance of national, social and cultural values.

#### **Assessment and Evaluation:**

The evaluation shall consist of both continuous and end of the course assessments. Assignments, Seminars, Internal Examinations and Viva-Voce shall be conducted as a part of Continuous Evaluation while a detailed written examination and practical examination could be conducted as the final examination. The CE: ECE ratio shall be 50:50

### **7. Certificate course in Hindi Translation**

**(Conducted by Department of Hindi, 2014-15)**

**Needs Assessment:** There are plenty of job opportunities in mass communication media especially AIR, Doordarshan and other private channels. Consequently there is a large demand for translators. Candidates who have learned Hindi as a subject at graduation level along with good skills in translation can easily get placed. This motivated the department to commence a course in translation.

#### **Aspects of the course:**

- **Design:** The course is designed in such a way to improve the student's translation skills leading to a job. The various parts of the course include practical and theory parts of the translation. This will enable the students to build adequate knowledge and proficiency in translation.
- **Curricular Development:** Special care taken to ensure the course will have a contemporary and practical knowledge about Translation. Basically the course is having two aspects i.e. institutional level curricular development and skill development. Moreover the students can learn the techniques of translation.

#### **Graduate Attributes:**

1. Upon completion of the course the students will be able to do translation.
2. Gain a basic understanding of the Hindi-English language structure.
3. To develop the knowledge about basic theories of Hindi – English translation and vice versa.
4. They can understand knowledge about Different types of translation.

#### **Assessment and evaluation**

The evaluation shall consist of both continuous and end course assessments. Assignments, Seminar, Internal Examination and Viva Voce will be conducted to assess the progress of the students. A detailed written examination along with practical also will be conducted as the final examination. The CE-ECE ratio will be 1:1.

## 8. Certificate course in DTP in Hindi

(Conducted by Department of Hindi, 2015-16)

**Need assessment** – As per the contemporary market, a page of Hindi work if want to get typed we have to give Rs. 70. It is very easy to understand the Hindi Key's in the keyboard and the students can earn while they learn.

### Aspects of the course

- **Design** – The course is designed for graduation students without affecting their regular studies. The course structure is not theoretical, it is almost practical.

### Graduate Attributes

After completing the DTP Course, the students can able to

1. Understand the main software's used in Hindi computing
2. They can type materials
3. They will be familiar with different Hindi fonts.
4. They can choose this as a profession to earn money.
5. They can understand about UNICODE

### Assessment and evaluation

The evaluation consists of both continuous and final valuation also. Continuous valuation consists of seminar, viva, assignments and test papers. Practical Examination will be there for the final examination. The CE-ECE ratio will be 1:1.

## 9. Certificate Course in Spoken Hindi

(Conducted by Department of Hindi, 2016-17)

**Need Assessment:** Hindi is the National language of India and is spoken in many parts of the country. For many people who travel around the country knowledge of this language is an essential need. Department of Hindi has a communicative approach to the course offered by them. Various stories, plays, dialogues, discussions, debates etc are used to teach the language in an enjoyable and easy manner. By the end of the Spoken Hindi Course, students are expected to read and communicate in simple Hindi.

### Aspects of the course:

- **Design:** The course was designed in such a way so that the students could undergo it and complete its requirements with their regular portions of study. The various elements of the course are grammatical portions and the use of grammar in practical lessons. The effective implementation of the curricular aspects and the administrative role is played by the Department of Hindi which offers the course.
- **Curricular Development:** The aid and advice of external experts and resource persons were sought while developing specific curricula. Special care was also taken to ensure that the course is endowed with a contemporary and practical content. Basically there are two specific aspects that the institutional level curricula hope to achieve. The first is to develop these skills which are not specifically addressed by the undergraduate curricula prescribed by the University. The second is to augment the campus life of the students by providing them with opportunities for language development and improving the communicative skills.

### Graduate Attributes:

Upon completion of the course the student will be able to

1. Gain a basic understanding of the Hindi language.
2. To develop the knowledge about basic words, pronouns, Verbs, genders, adjectives of Hindi language.
3. To gain basic knowledge about the Hindi numbers.
4. To develop the knowledge about Tense in Hindi.
5. To gain the knowledge of translation of simple sentences.



6. To develop the knowledge of understanding stories, letters, composition.
7. To gain the knowledge of writing stories (small), letters and composition.

#### **Assessment and evaluation**

The evaluation shall consist of both continuous and end of the course assessments. Assignments, Seminars, Internal Examinations and Viva-voce shall be conducted as a part of Continuous Evaluation while a detailed written examination and practical examination could be conducted as the final examination. The CE: ECE ratio shall be 1:1.

### **10. Certificate Course in Classical Dance: Theory and Performance**

#### **(Conducted by Department of Malayalam, 2014-17)**

**Need Assessment:** The technological and digital culture today prompt the students to get away from the traditions of rich classical dance forms and embrace the pop and rock dance modes accelerated by the postmodern global scenario. Of course this in turn will lead to cultural erosions and extinction of classical art forms in the campus. Many talented students having better taste in the traditional art forms are getting admission every year. If the campus can create a favorable atmosphere for them to pursue the indigenous art forms that will integrally help them not only in proving their expertise in performing in the University art festivals but also help in integrating the rich cultural texture of classical dance forms. If any student who wishes to learn the higher levels of performance this certificate course will help them a lot.

When the NAAC Peer Team visited our college in 2010, they suggested that Department of Malayalam should initiate a certificate course in dance. They made this suggestion after witnessing the cultural programme conducted in our college by Dr. Sumitha Nair, HOD Malayalam and a performer of classical dance with the students during their visit.

#### **Aspects of the Course:**

- **Design:** The course is conceived in such a way without disturbing the regular time table of the college. The course will provide the basic theoretical knowledge enriched by the Acharyas beginning from Bharathamuni and the many. An acquaintance with the presumptions of Natyasasthra will be delivered. The gradual progress and innovations from within the Classical frame work will be introduced to the students. The major Art forms discussed will be Mohiniyattam, Bharathanatyam and Kuchupudi. Apart from the theoretical discussions the course will focus on the performance too. A well disciplined performance practice will be the essential thrust of the course.
- **Curriculum Development:** The expertise of the faculty inside and outside will be sought to fulfill the mission. The curricula thus developed after proper discussions will be finalized. The attempt to bridge the classical theory and the contemporary theme will be an innovative pedagogy the course will indirectly focus. The art of choreography will be intimated to make experiments in the art forms.
- **Selection of the students:** 15 students from the first year degree course will be selected based on their knowledge and performance aptitudes.

#### **Graduate Attributes**

Upon Completion of the Course the Student will be able to

1. Gain a basic understanding of the history of the origin and development of classical dance Forms.
2. Gain a basic understanding of the development of the classical dance forms through the different eras.
3. Gain a basic understanding of the theory and practice of various dance forms.
4. Make a cumulative synthesis of theory and practice to evolve innovations in choreography.

5. To acquire the cultural understanding of the lives and conditions of the people through art
6. Differentiate a gender based critical approach to the various dance forms.

**Assessment and Evaluation:**

The evaluation shall consist of both continuous and end of the course assessments. Internal Examinations and Viva-Voce shall be conducted as a part of Continuous Evaluation while a detailed written examination and practical examination will be conducted as the final examination.

**11. Certificate Course in Computer Hardware Maintenance & Networking  
(Conducted by College Central Library, 2016-17)**

**Needs Assessment:** Computer and communication technologies are one of the most significant technologies which changed the world that we live in and made the life more convenient. With internet and mobile phones, communication has crossed all barriers. Students especially who study arts, humanities and basic science subjects may have a little knowledge in ICT than students furnishing technological courses. In order to cope with drastic changes going on day by day in the field of ICT, our students have to acquire more technical knowledge through special training. The main aim of this course is to make them understand about the fundamental components, technologies and their integration, to operate information systems effectively and to self rectify the technical problems occurred to a certain extent. Service of an external trainer helps to run the course in a successful way.

**Aspects of the Course:**

- **Design:** The course is designed to give a comprehensive idea about computer and its peripherals, functions and state of the art technologies in the field within a short span of time (three months duration). The program will be a catalyst for shaping the future studies of interested students to the broad discipline of computer science and technology.
- **Curriculum Development:** The curriculum of the course is framed and executed on the basis of the needs of students their abilities and interests to bring about skills in computer hardware maintenance and networking of students in college and out of college situations. The hands on sessions help students' active engagement and ensure student-instructor interaction.

**Graduate Attributes**

Computer knowledge is in high demand no matter what career the students will be involved in. Upon completion of the course the Student will be able to

1. understand the history of computers, developments and latest technologies
2. gain basic knowledge in assembling, networking etc
3. get a general idea about the customization and operation.
4. provide information how to install different application software
5. learn how to work independently and work on his own.
6. a lot of money and time can be saved by the system self servicing.
7. build up their higher education in computer science if he is interested to explore
8. work as free-lancer and start their own enterprise
9. do immediate service for the college if required

**Assessment and Evaluation:**

The evaluation shall consist of both continuous and end of the course assessments. Assignments shall be conducted as a part of Continuous Evaluation while a detailed written examination and practical examination could be conducted as the final examination.

### 1.2.2 Does the institution offer programmes that facilitate twinning/dual degree? If 'yes', give details.

At present the college is not offering programmes that facilitate twinning/dual degree.

### 1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability.

Issues may cover the following and beyond:

- Range of Core / Elective options offered by the University and those opted by the college
- Choice Based Credit System and range of subject options
- Courses offered in modular form
- Credit transfer and accumulation facility
- Lateral and vertical mobility within and across programmes and courses
- Enrichment courses
- Range of Core / Elective options offered by the University and those opted by the college

Our institution offers 10 UG, 2 PG and 1 Ph.D programme.

#### Choice Based Credit System and range of subject options

- UG and PG programmes are under Choice Based Course, Credit and Semester System (CBCCSS).
- Students from the science stream can opt for Mathematics, Physics, Chemistry, Zoology and Plant Science at the UG level. They can also opt for social sciences like History and Economics and literature like English and Hindi. Commerce students can apply for the same options except science subjects. Arts students can opt for social science and literature. B.Com students can gain admission to the PG programme in Commerce and B.Sc. mathematics students to M.Sc. Mathematics.
- In addition to the common, core and complementary courses students from all disciplines can also opt for open courses offered by various departments. The institution conducted eleven certificate courses in various subjects aiming to improve the potential for employability of the students.
- Ph D programme is offered by the research department of Chemistry. Admission to this programme is possible for those who have PG degree in Chemistry or Allied Chemistry.

#### Courses offered in modular form

- In CBCCS System courses are in modular form. An undergraduate programme shall have a minimum of 120 credits.
- With the introduction of Choice Based Course Credit and Semester System the students get options to choose one subject having two credits from a list of open courses offered by the college. A student can also opt for additional courses over and above the minimum required courses. This provides limited academic flexibility to the students.

**Table 1.7** List of open courses offered by various departments

| Department | Open course offered         |
|------------|-----------------------------|
| Physics    | Joy of Star Watch           |
| Chemistry  | Chemistry in Service to Man |

|                    |                                       |
|--------------------|---------------------------------------|
| Mathematics        | Quantitative Arithmetic and Reasoning |
| Zoology            | Apiculture and Sericulture            |
| Botany             | Medicinal Plants                      |
| History            | Social Reform movement in Kerala      |
| Economics          | Kerala Economy                        |
| Commerce           | Basic Accounting                      |
| English            | English for Competitive Examinations  |
| Hindi              | Film Studies                          |
| Physical Education | Health and Fitness Education          |

### **Credit transfer and accumulation facility**

- The affiliating University does not permit to move from one course to another. There is also no flexibility in time frame as far as the University courses are concerned.
- A student shall be permitted to appear for the semester examination, only if he/she secures not less than 75% attendance in each semester. Condonation for shortage of attendance for a maximum of 12 days at the most for two spells within a programme may be granted subject to existing University rules. A student who is not eligible for such condonation shall repeat the course when it is offered again.

### **Lateral and vertical mobility within and across programmes and courses**

- Lateral mobility of students from all disciplines can be assured by opting for open courses offered by various departments.
- Vertical mobility is possible in the case of Commerce and Mathematics students. They have the option to join for PG programme in our college itself.

### **Enrichment courses**

- The institution offers Additional Skill Acquisition Programme (ASAP) initiated by KSHEC, Government of Kerala, Walk with a Scholar (WWS) programme, a new initiative by the Department of Collegiate Education, Govt. of Kerala and the Scholar Support Programme, part of the New Initiatives in Higher Education initiated by the Department of Higher Education, Govt. of Kerala.
- The college had been a training partner institution for the 30 day residential training programme of ASAP and the Department of English is in charge of the conduct of the programme in addition to providing resource persons. Two batches of foundation course is also completed.
- The institution has offered eleven certificate courses during the last 4 years for which we are allowing flexibility in time frame. The student is given the certificate when he/she completes definite number of modules.
- The college conducts Academic Enrichment Programmes every year like invited lectures and workshops.
- The components of the continuous evaluation viz. assignments, projects, debates, quizzes promote interaction, team work and leadership among students. Co-curricular activities organized by the departmental clubs and associations envisage improvement of the academic standard during the transaction of the curriculum.
- To improve potential for employability, ED Club, NSS, Womens Cell and central library has organised training programmes like Jewelry making, Glass Painting, Stitching, Soap making , Pickling, , Umbrella making, Book binding etc.

**1.2.4 Does the institution offer self-financed programmes? If ‘yes’, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.**

No

**1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such programme and the beneficiaries.**

- **Additional Skill Acquisition Programme (ASAP)**

The institution is a Training Partner of ASAP of KSHEC, Government of Kerala.

Government of Kerala has initiated an ambitious programme, the Additional Skill Acquisition Programme (ASAP) with the objective of tackling the issue of growing unemployment in the state. The programme aims at equipping selected school/college students with skills in Communication, IT and selected areas of industry and service sectors. ASAP has been launched in the college during 2012-13. The classes under ASAP are engaged by Skill Development Executives identified by the Government/Industry, generally for one hour on working days, before/after the normal working hours of the institution. The college has arranged rooms with computers and LCD facilities (Smart Class Rooms) to conduct the classes. Two batches have completed the foundation course also.

- **Coaching for entry in services for SC/ST/OBC(non- creamy layer) & minorities**

Academic programmes of our college are in harmony with the institutional goals and objectives. We have 80% plus pass percentage in almost all Departments. 40% of the students go for higher studies. 90% of the students of our college are from the radius of 30 kilometers from the rural areas. 80% of students are girls. Of the total strength during 2012-2013 of 1100, 60 students belongs to SC, 40 –ST, 421 -OBC and 84 – Minority community.

In order to overcome the current challenges, it is needed to uplift the performance of the students belonging to economically and educationally backward sections. Social empowerment of rural girls can only be addressed by giving specific provisions

UGC sanctioned the financial assistance for coaching classes for entry in services for SC/ST/OBC(non-creamy layer) & Minorities, during the 11<sup>th</sup> plan and the college has been conducting the programme from 2009 onwards. More than 750 students benefitted from the programme in these three years and 12 of our students have already employed in State Public Services and Armed Forces.

- **Entrepreneurial skill development programmes**

Entrepreneurship Development Club: A part of the state wide scheme formulated by the Department of Industries and Commerce, Govt. of Kerala, in association with the Department of Education to inculcate entrepreneurial culture among the students.

- **Physical Training to the students and the public**

The Department of Physical Education offers free physical training to the students and the public for army, police, fire force and paramilitary recruitment

- **Finishing School to PG students**

To motivate and empower the students to discover their inner potential, abilities and skills and to bridge the employability gap between job market and academia

- **Certificate courses in various allied subjects**

We offered eleven certificate courses during the last four years.

*(Details of Certificate courses are given under 1.2.1)*

**1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice? If ‘yes’, how does the institution take advantage of**

### such provision for the benefit of students?

No

## 1.3 Curriculum Enrichment

### 1.3.1 Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programmes and Institution's goals and objectives are integrated?

In order to integrate the academic programmes with our goals and objectives, the institution supplements the university curriculum with both pedagogical innovations and co-curricular and extracurricular activities.

- Providing adequate learning resources such as library books, journals, internet, museums and sophisticated laboratories to the students.
- Conducting curriculum enrichment programmes like certificate courses in allied topics.
- Motivating to join online courses offered by NPTEL
- **Walk With a Scholar (WWS)** scheme by the Department of Collegiate Education, Govt. Of Kerala which proposes to arrange specialized mentoring programs for students in Under Graduate Programs in Arts, Science and Commerce and to provide guidance for their future. The scheme introduces the idea of mentoring and builds on the concept of mentor as a Guide and Friend. The mentoring scheme for students is purely voluntary in nature. It is open for students entering the first year of the Under Graduate Programme of Study. The scheme is successfully running in the college from 2014 -2015.
- **The Scholar Support Programme (SSP)**, initiated by Govt. of Kerala aims at imparting additional support to students in curricular areas of weakness. The programme was launched in the college in 2014-2015. Subjects in which additional curricular support given were selected based on result analysis carried out by the college. Salient features of the programme include personalized additional support to students, tutorials, study materials, additional lectures, question banks and interactive sessions.
- Our institution is functioning in a rural area and the students belong to economically and educationally backward families. Extra care and efforts are required to uplift their performance, to promote their talents and to equip them to meet the current changes and challenges. We have effectively utilized the fund allotted for **Remedial coaching for SC/ST/OBC (non-creamy layer) and minorities** during XI plan period by conducting 932 classes from 2009 to 2012. Around 450 students were benefitted from this programme, which was reflected in our University results. Further the infra structure and library facilities were also improved a lot by utilizing non-recurring grant.
- Tutorial sessions and peer teaching helps to improve the performance of students in academics.
- "Little Libraries" in all classes using books donated by faculty and students helps to develop the reading habits of the students.
- Organizing seminars, exhibitions and workshops which provides innovative learning experiences.
- Encouraging students' union to organize invited lectures, debates, street plays and inter collegiate programmes to revamp their critical thinking.
- Organizing programmes in association with Society for Promotion of Indian



Classical Music and Culture Among Youth (SPICMACAY) to familiarize various art forms of different states of our country by “Arangu”, the Arts Forum of the college,

- Supporting the students to organize cultural and sports fest in the college and ensure their participation in University and inter University level competitions to promote their latent talents and special skills.
- Enrollment of students in National Service Scheme and National Cadet Corps.
- Conducting Departmental Club Activities which improves students’ interpersonal relations, social commitments and leadership qualities.
- Undertaking outreach and extension programmes by departments which ensure institutional social responsibility.
- Conducting environmental awareness campaigns, maintaining diversity parks, gardening, and green auditing helps in eco-sensitisation.
- Beginning everyday with a prayer (few lines from Tagore’s Geethanjali) and concluding with National Anthem helps to foster diversity. College celebrates most of the religious festivals, both state and national level and observes days of national and international importance.
- Organizing Annual Merit Fest by PTA, alumni and students’ union to felicitate the toppers in the University examinations, arts festival and sports meet motivates the students.

### **1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?**

- Feedback from students about curriculum are collected and analyzed at department level.
- Based on the analysis variety of learning experiences are provided through enrichment programmes and club activities.
- Suggestions based on department level analysis of student feedback are presented in the college council.
- Faculty members representing the college in Board of Studies put forward the recommendations in curriculum revision meetings at University level.
- To cope up with the need of employment market an additional paper on International Financial Market was included in the syllabus of PG programme in Commerce as a result of the sincere efforts of our faculty members in the upper bodies of the university.
- To cope with the needs of the dynamic employment market the institution offers various certificate programmes for skill development.
- Initiatives are taken to conduct finishing school for PG students

### **1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?**

#### **Gender**

- Women Cell functions actively in our college and organizes a variety of programmes focused on women empowerment like
  - Counseling to the students by experts.
  - Training for self employment like workshops on umbrella making, jewelry making, soap making and pickling.
  - Stitching unit led by a tutor from outside to train the students.

- International Women's Day celebration and invited lectures by eminent personalities.
- Gender sensitization programmes, interaction with transgender etc
- Aerobics class under the guidance of Physical Education Department for fitness.
- Special attention in availing scholarships meant for girl students.
- Reservation of 50% of seats for girl students in college union elections.
- Legal awareness programme with the support of Kerala State Legal Services Authority (KELSA) and a session on 'Cyber Crimes', organized by NSS units.

### **Climate Change**

- Department of Physics conducted a two day residential camp, 'ENSAVE', on energy conservation awareness and energy auditing.
- Department of Physics observed Hiroshima and Nagasaki day by conducting rally and poster presentation competition
- International Day for the preservation of ozone layer is being observed by the Departments of Physics, Chemistry and Zoology every year with the financial support of Kerala State Council for Science, Technology and Environment.
- Department of Zoology conducted a programme on energy conservation, 'URJAKIRAN', in Mattanur and Dharmadam Legislative Constituencies in collaboration with Centre for Environment and Development and Energy Management Centre, Kerala.
- Awareness rally in connection with Hiroshima Day and Ozone Day was conducted inside the campus by Zoology club
- Invited lectures, seminars and competitions are organized on topics related to global warming, ozone depletion and climate change.
- Rain water harvesting and optimal usage in summer season by installing two tanks with a maximum capacity of 2 lakh liters.

### **Environmental Education**

- Department of Physics conducted an "Energy Audit" in two municipal wards of Mattanur Municipality in connection with their extension activity.
- Thrust area of research activities in the Department of Physics is environmentally benign techniques and materials for solar energy systems.
- Department of Chemistry organized a workshop with the support of Kerala State Council for Science, Technology and Environment (KSCSTE) on Micro Scale Analysis for teachers to promote minimal use of chemicals in laboratories so as to check environmental contamination.
- The Department of Zoology
  - Celebrates World Environment Day every year with the support of Kerala State Council for Science, Technology and Environment and organizes invited lectures and seminars.
  - Conducted a National Seminar supported by UGC and in collaboration with Zoological Survey of India on "Faunal Diversity of Kerala".
  - Was a partner of National Environment Awareness Campaign by Centre for Environment and Development and Ministry of Environment and Forests (MoEF), Govt. of India in 2014 and 2015.
  - Updates and maintains a campus faunal diversity register.
  - Maintains a butterfly garden in the campus.
  - Runs a vermin compost tank in the campus.
- Biology Departments conducted field trips to Wildlife Sanctuaries and National Parks.
- Department of Botany organized a programme to identify flora of the campus.



- “Plant Expo” organized by Botany Department to expose the value of plant diversity.
- Department of Botany maintains a mango germplasm and a medicinal plants garden in the campus.
- Nature Club, NCC and NSS engaged in campus cleaning, plastic-non plastic waste segregation and pipe composting of food wastes. They joined hand with Mattanur Municipality in recycling of plastic wastes.
- NSS/NCC regular activities to “Green the campus” by planting tree saplings.
- N C C unit organized a nature camp cum cycle expedition in Aaralam Wildlife Sanctuary to moot nature awareness and integrity in the minds of cadets.

### Human Rights

- Department of Economics conducted a certificate course in Human Rights Education.
- Department of Economics organized a national seminar funded by UGC on Social Exclusion in 2015.
- College union of 2014-'15 organized an organ donation programme in which twenty students and three faculty members handed over their willingness to Co-operative Medical College, Pariyaram.
- Awareness programmes were conducted on issues like HIV/AIDS, organ donation and blood donation by college union.
- Our students donate blood regularly to blood banks of two district hospitals, one at Thalassery and the other at Kannur. Blood donor's directory formation and blood donation are organized under the banner of Zoology club.
- In 2016, Mobile blood donation unit of Govt. of Kerala visited our campus and students donated 30 units of blood.
- Department of Zoology organized medical and eye disease detection camp in the college.
- “Manass”, a forum of former NSS volunteers of our college conducted blood/ organ donation camp.
- Construction and repair of houses under the scheme ‘A Home for a Classmate’ by NSS.
- Under the auspices of NSS, “Manavakarunyayathra”, of Kerala Kidney Foundation was received at Mattanur town and conducted free medical/eye disease/kidney disease detection camp for the public.
- Free tailoring classes given to women in the adopted Ambekar colony by NSS and Vanithavedi a common platform for lady faculty members of the college.
- Visits to old age homes and orphanages by NSS volunteers and members of Vanithavedi and donated blankets and sweets.
- Cancer detection camp organized for the public by “Vanithavedi”.

### ICT

- Workshop conducted by IQAC on e-content Development for the teaching faculty.
- A workshop on MOODLE conducted by IQAC for the faculty.
- The students and teachers successfully completed various online courses offered by NPTEL.
- Four students of our institution joined the Spoken Tutorial Programme, offered by IIT Mumbai to provide basic IT and Skill Oriented IT/Software courses to students free of cost. Spoken Tutorial –IIT Mumbai gives training on C, C++, Latex, Open FOAM, Perl, PHP, Python, Scilab etc.
- Online examinations conducted for internal assessment of students.
- Student feedback on teachers, curriculum, department and college collected online.

- Workshop on Virtual Lab conducted by Department of Physics and the students are encouraged to undertake projects using this technology.
- Department of Physics conducted seminar on e-learning and simulations.
- Certificate courses in Basic Computational Skills and Graphics offered by Department of Physics and certificate course in Latex-a technical documentation tool by the Department of Mathematics.
- Use of N-LIST and digital library by teachers and students ensured by College Central Library.
- ICT enabled seminars presented by students for internal assessment in various departments.

### **1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?**

- **moral and ethical values**
- **employable and life skills**
- **better career options**
- **community orientation**

#### **Moral and ethical values**

- Warm relationship between students and teachers inculcate moral and ethical values in them. Tutorial sessions play a significant role in it.
- The Department of Commerce organizes yearly residential camp for their undergraduate students named 'COM-Countenance' which inculcates team spirit, moral and ethical values in the participants.
- Days of national significance are commemorated
- Festivals of all religions are celebrated.
- Election to the college students' union is conducted under the supervision of a Returning officer and election committee to inculcate democratic values in students.
- Foundation course in Human Rights Education was conducted by Department of Economics
- Departments of Commerce, Hindi and NSS units of the college conducted "Guruvandanam", a programme to honour the former teachers and former programme officers respectively.
- IQAC and Staff Club jointly celebrated 'Teachers Day-2016'. All departments invited their former faculty members and are honoured in a formal gathering, which helped the faculty and students to hear the experiences and advice from them.

#### **Employable and life skills**

- Additional Skill Acquisition Programme (ASAP)
- Coaching for entry in services for SC/ST/OBC(non- creamy layer) & minorities
- Entrepreneurial skill development programmes
- Physical Training to the students and the public for recruitment to armed forces.
- PSC examination oriented coaching classes for students by Mathematics Department.
- Certificate Course in Mushroom Cultivation
- Certificate course in Accounting and Taxation during
- Certificate course in Photography
- Certificate Courses in Translation, DTP and Spoken Hindi

- Certificate Course in Classical Dance: Theory and Practice
- Yoga and aerobics training offered by the Department of Physical Education.
- Certificate course in Computer Hardware
- Training programmes by Career Guidance and Counseling
- Finishing school for PG students.

#### **Better career options**

- Interaction with successful alumni, outstanding personalities from various fields and students and staff from other institutions resulted in providing more exposure and self confidence to students to meet global standards.
- Counseling and Placement programmes by external agencies.
- Coaching classes for entry in state/central services offered to students from SC/ST/OBC/Minority and other backward communities to give additional support in the search for a job.
- Physical training for Armed Forces recruitment.
- Students' registration in employability centre, Kannur and various job portals.

#### **Community orientation**

- Workshop on Laboratory Physics, for higher secondary students in the Municipality by Department of Physics.
- Energy audit conducted by Department of Physics in two municipal wards in connection with their extension activity.
- Water quality analysis conducted by Department of Chemistry.
- Programme on TFM measurement of soap conducted by Department of Chemistry.
- Science exhibitions conducted by Department of Mathematics and Chemistry for the public.
- Mathematics Talent Search Test (MTST) conducted by Department of Mathematics for Higher Secondary School students.
- Workshop for parents in Apiculture and Vermicomposting conducted by Department of Zoology.
- URJAKIRAN, a programme on energy conservation being yearly conducted by Department of Zoology in collaboration with Centre for Environment and Development and Energy Management Centre, Kerala.
- Medical camps and blood donation programmes organized by Zoology Club, NCC and NSS.
- Training in mushroom cultivation for the public, conducted by Department of Botany.
- "Pazhassi Smriti Yathra" and Pazhassi Memorial Lecture organized by Department of History every year to commemorate the birth day of the great martyr Pazhassi Raja, after whom our college is known.
- Collaboration with Mattanur Municipality in documenting "History of Mattanur" by Department of History.
- Visit to Sachidananda Balamandiram at Kolari, Mattanur by the staff and students of the Department of Economics
- Activities of Department of Commerce:
  - Entrepreneurial Development Programme for Kudumbasree members in Mattanur Municipality.
  - Workshop on Personal Income Tax for teachers of Higher Secondary School Teachers of Kannur District.
  - Workshop on Research Methodology for the research scholars and

- teachers in Kannur District.
- A survey on Financial Inclusion to identify households having no bank account in ward I of Keezhallur Panchayat with the support of Kerala Gramin Bank, Edayannur Branch
  - “INSIGNIA”- exhibition conducted for the students of colleges under Kannur University and Higher Secondary Schools in Kannur District
  - Workshop on techniques of teaching English for upper primary school teachers by the faculty of the Department of English.
  - Outreach programme by the students of the Department of English to impart communicative skills to upper primary students.
  - Folklore exhibition organized by Department of Hindi at Cheruvathur for the public.
  - Free Physical training to the public for armed forces recruitment by the Department of Physical education.
  - Psychological training programme (through biofeedback) to school students to reduce their competition anxiety by the Department of Physical Education
  - “Voice Donation” launched by the Central Library to help the visually challenged.
  - Cancer detection camp organized for the public by “Vanithavedi”, a common platform for lady faculty members of the college.
  - Free tailoring classes given to women in the adopted Ambedkar Colony (SC/ST colony) by NSS and Vanithavedi.
  - Activities of NSS units
    - Cancer survey training for the volunteers in connection with “Sanjeevani Cancer Detection Programme” conducted by Mattanur Municipality, Mini Arts and Sports Club and Malabar Cancer Centre.
    - Pain & Palliative care programmes. The volunteers donated a wheel chair to a bedridden senior citizen.
    - Visits to old age home and orphanages.
    - AIDs awareness programmes.
    - Joined with the mass drug administration programme of State Health Department for the eradication of filariasis and polio.
    - Anti-tobacco march conducted with the support of State Health Department.
    - Health survey at Panichery and Devarkad wards during ‘Manavakarunya Yathra’ organized by Kidney Foundation of India. Free kidney defect detection and eye care camp were also organized during the event.
    - Constructed and donated four houses, two under the scheme, ‘Sahapadikkoru Veedu’ to Mr.Santhosh and Smt.Prabina and the other two to Mr. Kabeer and Ms. Preena under ‘Home for Homeless’ programme.
  - Our college took part in the mass run “Run Kerala Run,” in connection with the 35th National Games which was hosted in Kerala. The Government announced one hour interval for offices, colleges & schools from 10.30 am to 11.30 am to enable government employees and students to participate in the run. About 1200 members including students, teachers and non teaching staff participated in the event.

### 1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

- Feedback on curriculum is collected through a printed format from the final year students of all disciplines just before the commencement of the final

examinations.

- Feedback from peers and alumni are collected regularly.
- A significant contribution in this direction is also provided by the Retired Teachers Forum functioning in the institution.
- The feedback is analyzed centrally and the evaluation report is handed over to the concerned departments. They are discussed in the departmental meetings and the suggestions are forwarded to the BOS and other university bodies. Recommendations of our faculty members in the upper statutory bodies of the University also played a role in shifting the existing evaluation system from direct grading to indirect grading system.
- The general outcome of the feedback is also discussed in the college council for the necessary modification possible in the institution.

### **1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?**

- All enrichment programmes are planned, instituted and monitored by committees consisting of the faculty and students as members presided by the Principal.
- The committees always give utmost importance in assuring the availability of the top resource personnel.
- In the case of programmes supported by external agencies, we always stick to the prescribed norms and conditions.
- Student evaluation in the form of reviews and suggestions are collected in department meetings.
- Reviews and suggestions are also collected from alumni and PTS meetings.
- After preliminary discussions in the department, recommendations are submitted to the college council.
- If needed, the same is submitted before the management for ratification.
- Monitoring and evaluation of NSS activities are under NSS advisory committee.

## **1.4 Feedback System**

### **1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?**

Curriculum is designed mainly by the academic bodies of the University. But the institution has made critical interventions in the modification of the curriculum in the following ways:

- Feedback taken from students and alumni on curriculum and results of UG programmes are analyzed in the college council and departmental meetings to identify the problems.
- Corrective measures and suggestions are communicated to the concerned Board of Studies through the Head of the department/Principal/members in the academic bodies.
- Faculty members in the statutory academic bodies of Kannur University like Board of Studies, Academic Council, Faculty of Sciences, Social Sciences, Management studies and languages are actively involved in framing the curriculum

### **1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?**

Yes. The institution has formal mechanisms to obtain feedback from students, parents and alumni on curriculum. They are:

- Students – collected in prescribed format at the end of even semester.
- Parents – Department-wise PTA meetings.
- Alumni – Annual alumni meet.

The feedback thus collected are discussed in department meetings, academic committee and college staff council and the suggestions are communicated to the concerned Boards of Studies through the Head of the department/Principal/members in the academic bodies.

**1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?**

M.Sc. Mathematics and B.Sc. Plant Science are the two programmes introduced during the last four years. Aided course in M.Sc. Mathematics will increase the higher study opportunities of students who are socially and economically backward. B Sc Plant Science programme offered in language reduced pattern offers more job opportunities.

**1.4.4 Any other relevant information regarding curricular aspects which the college would like to include.**

IQAC conducted a seminar series named ‘Academic Enrichment Programme’, in association with various departments. The programme lasted for 12 days during which eminent resource persons interacted with the faculty and students.

## CRITERION II

### TEACHING-LEARNING AND EVALUATION

#### 2.1 Student Enrolment and Profile

##### 2.1.1 How does the College ensure publicity and transparency in the admission?

The college meticulously follows the admission criteria laid by Kannur University and has a legitimate and well organized procedure for admitting the first year UG and PG students. As soon as the University notifies the norms and date of admission, the college publicizes the details through

- Website
- Brochure and advertisements in news papers.
- College prospectus which contains the details of the UG and PG programmes offered by the college and fee structure

In addition to this the Management, alumni and PTA also cooperate in dissemination of information regarding the admission procedure.

To ensure transparency, the admission process is monitored by centralized admission committee constituting the Principal, Head of all departments and representatives of non-teaching staff. The merit list of the students is prepared centrally using the admission software and verified by the concerned departments. The final list of eligible students is published in the college notice board on a fixed date declared earlier and a copy is forwarded to the University. The date of admission is communicated to the selected students well in advance by certificate of posting. Arrangements are made in the Office and departments to address admission related queries of parents and students.

Unlike in the previous years, Kannur University adopted single window system for the admission to UG courses from the academic year 2015-16. The admission nodal officer of the college negotiates the procedural formalities with the University for the Smooth Conduct of admission. The college effectively administered the reformed admission procedure with utmost transparency.

##### 2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

- Students are selected for admission strictly on merit basis in the qualifying examination, except in the management quota.
- 50% of the seats in each discipline are filled from general category, 20% seats are reserved for SC/ST category, 10% for forward/ Nair community and the remaining 20% from management quota.
- In general category, one seat is reserved for differently abled students and 2 seats for sportsmen for each discipline.
- Students from Lakshadweep Islands are also admitted in the additional seats sanctioned by the University, as per the directions of the Government.
- The entry level eligibility criterion is that student must have secured at least 40% of total marks in the qualifying examination for UG admission and 45% marks for PG admission.



- The admission committee recommends considering students with not less than 60% marks for admission in science stream and not less than 50% in arts in management quota.

**2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.**

**Table 2.1** Minimum and maximum percentage of marks for admission at entry level

| Programme           | Year    | Percentage of marks/CGPA |       |            |       |                  |       |
|---------------------|---------|--------------------------|-------|------------|-------|------------------|-------|
|                     |         | General Merit            |       | SC/ST/SEBC |       | Management Quota |       |
|                     |         | Min.                     | Max.  | Min.       | Max.  | Min.             | Max.  |
| B Sc. Physics       | 2014-15 | 83                       | 90    | 70         | 86    | 70               | 81    |
|                     | 2015-16 | 91                       | 95    | 64         | 86    | 65               | 82    |
|                     | 2016-17 | 85                       | 94.8  | 65         | 83.9  | 77               | 79.8  |
| B Sc. Chemistry     | 2014-15 | 86.75                    | 91.5  | 70         | 87.42 | 61               | 80    |
|                     | 2015-16 | 87.3                     | 96.5  | 77.3       | 87.5  | 68.4             | 82.7  |
|                     | 2016-17 | 87                       | 98.2  | 67.5       | 86    | 75               | 84    |
| B Sc. Mathematics   | 2014-15 | 83.6                     | 93.2  | 66.1       | 85.9  | 61.6             | 78.5  |
|                     | 2015-16 | 70.6                     | 92.4  | 62.3       | 85.5  | 59.2             | 86.1  |
|                     | 2016-17 | 85.33                    | 93.16 | 60.25      | 81.83 | 66.08            | 87.3  |
| M Sc. Mathematics   | 2014-15 | 3.64                     | 3.99  | 2.46       | 3.62  | 3.15             | 3.42  |
|                     | 2015-16 | 3.45                     | 3.53  | 3.11       | 3.34  | 3.12             | 3.25  |
|                     | 2016-17 | 3.20                     | 3.55  | 3.30       | 3.34  | 3.16             | 3.42  |
| B Sc. Zoology       | 2014-15 | 80                       | 88    | 61         | 77    | 58               | 73    |
|                     | 2015-16 | 81                       | 91    | 59         | 71    | 55               | 85    |
|                     | 2016-17 | 86                       | 91    | 57         | 75    | 64               | 79    |
| B Sc. Plant Science | 2014-15 | 81.5                     | 86.3  | 67.8       | 81.4  | 61.2             | 74.4  |
|                     | 2015-16 | 69.2                     | 90.7  | 68.25      | 79.1  | 63.5             | 83.5  |
|                     | 2016-17 | 80                       | 90    | 61         | 85    | 70               | 86    |
| BA History          | 2014-15 | 82                       | 94.83 | 59.5       | 70.08 | 52.5             | 80.83 |
|                     | 2015-16 | 85.5                     | 96.5  | 69         | 82.66 | 64               | 86.83 |
|                     | 2016-17 | 79.75                    | 85.58 | 47.33      | 84.75 | 55.58            | 83.83 |
| BA Economics        | 2014-15 | 82.33                    | 88.75 | 53         | 65    | 46               | 78    |
|                     | 2015-16 | 80.83                    | 91    | 56         | 84    | 56               | 81    |
|                     | 2016-17 | 83.1                     | 89.25 | 58.75      | 65.67 | 55.75            | 83.83 |
| B Com.              | 2014-15 | 88.33                    | 98.16 | 65         | 76    | 60.33            | 70.8  |
|                     | 2015-16 | 89.2                     | 97.4  | 70         | 80    | 57               | 85    |
|                     | 2016-17 | 89.5                     | 92.9  | 79.75      | 80    | 62.08            | 85.25 |
| M.Com.              | 2014-15 | 3.36                     | 3.62  | 2.92       | 3.36  | 2.72             | 2.92  |
|                     | 2015-16 | 3.33                     | 3.58  | 2.98       | 3.14  | 2.32             | 2.93  |
|                     | 2016-17 | 3                        | 3.23  | 2.33       | 2.75  | 2.11             | 2.7   |
| BA English          | 2014-15 | 82.2                     | 91.5  | 61.2       | 70    | 64.6             | 80.3  |



|          |         |      |      |      |      |      |      |
|----------|---------|------|------|------|------|------|------|
|          | 2015-16 | 70.8 | 81.5 | 46.3 | 59.5 | 59.9 | 70.2 |
|          | 2016-17 | 82   | 94   | 60   | 76   | 66   | 77   |
| BA Hindi | 2014-15 | 73.4 | 83.4 | 58   | 70   | 56   | 73   |
|          | 2015-16 | 73   | 86   | 55   | 77.3 | 64   | 74   |
|          | 2016-17 | 66   | 89   | 52   | 72   | 56.4 | 63.4 |

**2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?**

The college follows the guidelines of the admission process laid down by the University of Kannur which provides information on the schedule of the admissions, publication of merit list and mode of payment of fees. The college admission committee with the admission nodal officer as the convener makes the necessary arrangements for the admission. Single window system for admission to UG courses has been introduced by Kannur University, 2015-16 onwards which has made the enrolment procedure easier and transparent.

The admission processes is reviewed in departmental meetings and by the college staff council. Based on this review, disparities if any and recommendations to improve the admission processes are communicated to the university by the admission nodal officer.

The following revisions has been brought about as per the recommendations of the staff council and the admission committee

- Centralized system for preparation of rank list using admission software. This consumes much less time unlike in the previous years when the sorting of applications and preparation of rank lists was done manually
- Decentralization of verification of students' certificates at the time of admission. This has simplified the admission procedure.
- Necessary arrangements done and helpdesk provided to effectively implement single window system

The compilation of the student profiles collected during admission is done centrally. The students profile are also collected at each department in prescribed format, and analysed by the respective class tutors. The consolidation of reviews on student profiles reveals the following facts

- 75% of the students seeking admission in the college are girls
- Approximately 74% of the students belong to socially and economically weaker sections of the society.
- Many students excelling in fine arts, sports and games opt this college
- Students from various districts of the State and Lakshadweep also seek admission in the college.
- Every year we have applicants who are differently abled.
- Students admitted in management quota are mainly from economically backward family

**2.1.5 Reflecting on the strategies adopted to increase/ improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion.**

- SC/ST
- OBC
- Women
- Differently abled

- **Women**
- **Economically weaker sections**
- **Minority community**
- **Any other**
- **SC/ST**

Strictly adhering to university norms, 15% of seats is reserved exclusively for SC and 5% for ST students in every discipline. SC/ST students are provided fee concession and pocket money. They are encouraged to avail various scholarships through 'e-grantz' system instituted by the state government. SC/ST students aren't denied admission even if they fail to attend the interview on the date scheduled by the university and appear at a later time.

- **OBC**

A major percentage of students in the college belong to OBC category. The SC/ST seats which remain vacant even after repeated notifications in the media are finally let open to SEBC and OBC candidates. Fee concessions and scholarships are also provided to economically backward OBC students. Short term courses on skill development are conducted utilizing the funds sanctioned by UGC under Equal Opportunity Center in Colleges.

- **Women**

Nearly 75% students in the college are girls. Infrastructure facilities like retiring room for girls, girls friendly toilets, adequately furnished ladies hostel with mess system managed by students attract more girl students from even far off places to seek admission in the college. Diligent functioning of the women's cell and anti sexual harassment cell ensures a healthy campus atmosphere for the overall development of women students.

- **Differently abled**

One seat in each discipline is reserved for differently abled students. The college facilitates the procurement of all government scholarships applicable to these students. Class tutors and mentors give personal counseling to these students. Class rooms are arranged in the ground floor with easier access to washrooms. Ramp is provided in the main block. Separate and easily accessible seating arrangement provided and scribes are arranged during examinations.

- **Economically weaker sections**

Students from economically weaker sections are exempted from paying fees at the time of admission. Student support system is an initiative of the teaching and non-teaching staff of the college launched to support financially and morally the students from economically backward communities. Needy students are provided free food and stationeries. In addition to this the class tutors and mentors personally help such students financially.

- **Minority community**

Students belonging to minority community are admitted in considerable number every year. Coaching for entry into services and remedial teaching under UGC scheme are taken up especially for students belonging to minority community.

- **Any other – outstanding achievement in sports and extracurricular activities**

seats in each department are reserved for students with outstanding achievements in sports and games. Students who have excelled in State and National level sports are admitted to the college with due recommendation from the Physical education department. Students who have actively participated in NCC and NSS activities at higher secondary level are given preference during admission.

**2.1.6** Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase/ decrease and actions initiated for improvement.

**Table 2.2** Details of programmes offered during the last four years

| Programme                  | Year    | No. of applications | No. admitted | Demand ratio |
|----------------------------|---------|---------------------|--------------|--------------|
| <b>B Sc. Physics</b>       | 2016-17 | 2317                | 38           | 60.97        |
|                            | 2015-16 | 2126                | 40           | 53.15        |
|                            | 2014-15 | 1098                | 37           | 29.68        |
|                            | 2013-14 | 1021                | 36           | 28.08        |
| <b>B Sc. Chemistry</b>     | 2016-17 | 2397                | 38           | 63.08        |
|                            | 2015-16 | 2311                | 38           | 60.82        |
|                            | 2014-15 | 1159                | 33           | 35.12        |
|                            | 2013-14 | 1103                | 34           | 32.44        |
| <b>B Sc. Mathematics</b>   | 2016-17 | 1397                | 49           | 28.51        |
|                            | 2015-16 | 1423                | 50           | 28.46        |
|                            | 2014-15 | 918                 | 47           | 19.5         |
|                            | 2013-14 | 986                 | 50           | 19.72        |
| <b>M Sc. Mathematics</b>   | 2016-17 | 167                 | 15           | 11.13        |
|                            | 2015-16 | 153                 | 15           | 10.2         |
|                            | 2014-15 | 155                 | 15           | 10.3         |
|                            | 2013-14 | 44                  | 15           | 2.93         |
| <b>B Sc. Zoology</b>       | 2016-17 | 2380                | 35           | 68           |
|                            | 2015-16 | 2005                | 30           | 66.83        |
|                            | 2014-15 | 1023                | 30           | 34.1         |
|                            | 2013-14 | 992                 | 30           | 33.06        |
| <b>B Sc. Plant Science</b> | 2016-17 | 891                 | 24           | 37.12        |
|                            | 2015-16 | 813                 | 24           | 33.8         |
|                            | 2014-15 | 738                 | 24           | 30.75        |
|                            | 2013-14 | 348                 | 24           | 14.50        |
| <b>BA History</b>          | 2016-17 | 2099                | 60           | 34.99        |
|                            | 2015-16 | 1736                | 60           | 28.93        |
|                            | 2014-15 | 1543                | 60           | 25.71        |
|                            | 2013-14 | 1367                | 60           | 22.78        |
| <b>BA Economics</b>        | 2016-17 | 3274                | 60           | 54.56        |
|                            | 2015-16 | 2773                | 60           | 46.22        |
|                            | 2014-15 | 2563                | 60           | 42.72        |
|                            | 2013-14 | 2352                | 60           | 39.2         |
| <b>BCom</b>                | 2016-17 | 4240                | 60           | 70.66        |
|                            | 2015-16 | 3812                | 60           | 63.53        |
|                            | 2014-15 | 3706                | 60           | 61.7         |
|                            | 2013-14 | 3512                | 60           | 58.5         |

|                   |         |      |    |       |
|-------------------|---------|------|----|-------|
| <b>M.Com</b>      | 2016-17 | 178  | 15 | 11.86 |
|                   | 2015-16 | 165  | 15 | 11    |
|                   | 2014-15 | 150  | 15 | 10    |
|                   | 2013-14 | 140  | 15 | 9.33  |
| <b>BA English</b> | 2016-17 | 3522 | 35 | 100.6 |
|                   | 2015-16 | 3329 | 29 | 114.8 |
|                   | 2014-15 | 2975 | 29 | 102.6 |
|                   | 2013-14 | 2537 | 30 | 84.6  |
| <b>BA Hindi</b>   | 2016-17 | 1203 | 49 | 24.55 |
|                   | 2015-16 | 915  | 40 | 22.87 |
|                   | 2014-15 | 820  | 40 | 20.5  |
|                   | 2013-14 | 738  | 40 | 18.45 |

### Reasons for increase in demand ratio

Statistics reveals that the demand ratio has considerably increased during the previous years; this can be probably attributed to the following facts

- Transparency in admission procedure
- Strategies adopted to include students from diverse backgrounds
- Learner friendly atmosphere that prevails in the campus which is instrumental in the holistic development of an individual
- Outstanding achievement in sports and cultural activities and special training given to students
- Good performance in UGC- NET and other competitive exams
- Gradual shift in preference of students towards conventional arts and science courses

## 2.2 Catering to Student Diversity

### 2.2.1 How does the institution cater to the needs of differently abled students and ensure adherence to government policies in this regard?

The institution is very keen on providing support to differently abled students in all respects. Mentors/class tutors play a key role in identifying and addressing the issues faced by differently abled students. The teachers, non-teaching staff and students help them unconditionally. The college adopts the following measures to ensure that these students are comfortable

- Class rooms are arranged in the ground floor with easier access to washrooms.
- Ramps are constructed for easier mobility
- Separate and easily accessible seating arrangement provided for exam
- Scribes are arranged during examinations.
- Extra time allotted for writing exams as per university guidelines
- Procurement of all government scholarships applicable to these students is facilitated.
- A poetry collection in Malayalam by a differently abled student of Dept. of English has been published by Literary club of the college under the auspices of Dept. of Malayalam
- **Voice donation:** This is an initiative of central library of the college where in students read books for the visually challenged either in person or provided as audio CDs

**2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.**

40% marks in the higher secondary examination is the basic qualification required for admission to UG courses. Since rank list is prepared purely on merit basis, the candidates with the highest marks are admitted first. This ensures the adequate knowledge level of students. The institution employs strategies to assess the needs of students before the commencement of the programme.

- During the orientation programme for the freshers the Principal and IQAC interacts with the students and explains to them the vision and mission of the college and the facilities in the college for knowledge and skill development. The expectations of the students are inquired and recorded.
- During the departmental level induction programme the Heads of the departments interact with the students and explain to them the curriculum and course structure.
- The class tutor and other teachers interact with the students before the commencement of classes to discover their background, aptitude, medium of education, ambitions and areas of interests, needs and skills.
- A preliminary examination for the core courses is usually conducted at the commencement of the programme to assess the previous knowledge of the students.
- The Department of Commerce conducts a residential camp '**com-countenance**' for the freshers at the commencement of every academic year to assess the students needs.

**2.2.3 What are the strategies drawn and deployed by the institution to bridge the knowledge gap of the enrolled students to enable them to cope with the programme of their choice?**

**(Bridge/ Remedial/ Add-on/ Enrichment Courses etc)**

- Based on their performance in entry level competency test conducted for the core courses, adequate remedial coaching is given to the required students after regular class hours to enable them to cope up with the programme.
- Science departments provide extra practical classes for those admitted late
- Remedial coaching is also given to selected students under Scholar Support programme (SSP)
- Proper orientation is given on the curricular requirements, methodology and pedagogical aspects of the programme. The tutorial sessions are mainly used to achieve this.
- Various clubs, NCC, NSS activities, College Union activities etc. helps to bridge the gap
- Peering teaching and group projects also helps to cope up with the programme.
- Add-on and certificate courses conducted by various departments supplement the main course
- Enrichment programmes are mainly in the form of workshops and seminars which are related to their curriculum and the recent trends in respective disciplines. Major academic enrichment programmes conducted by various departments during the last four years is tabulated below

**Table 2.3** Major academic enrichment programmes conducted by departments

| Year    | Title of the programme  | Organising Department |
|---------|---|-----------------------|
| 2013-14 | Seminar on National Science Day   | Physics               |
|         | Seminar on National Science Day   | Chemistry             |
|         | National seminar on Mathematical Analysis and Algebra   | Mathematics           |
|         | Seminar on World Environment Day<br>Seminar on Ozone Day  | Zoology               |
|         | Mattanur Madhusoodhanan Thangal Memorial lecture and screening of documentary<br>Seminar on anniversary of martyrdom of Pazhassi Raja | History               |
|         | Seminar on Union Budget<br>Seminar on Human Rights Education  | Economics             |
|         | Workshop on Research Methodology<br>Seminar on Emerging Trends in Indian banking sector   | Commerce              |
|         | Seminar on Different aspects of contemporary Hindi literature   | Hindi                 |
|         | Seminar on Indian Cinema-Past and Present   | English               |
|         | Lecture on Attakatha Sahithyam<br>Lecture on Music and Life   | Malayalam             |
| 2014-15 | Seminar on Bohr centenary year celebrations<br>ENSAVE-Workshop on Energy conservation and energy audit                                | Physics               |
|         | Seminar on Emerging research areas in Materials science   | Chemistry             |
|         | Mathematics Exhibition  | Mathematics           |
|         | Workshop on National Environment Awareness  | Zoology               |
|         | Exhibition on History of legacy of Pazhassi Raja<br>Seminar on Archival Studies   | History               |
|         | Seminar on World Human Rights Day   | Economics             |
|         | Orientation Programme on Financial Inclusion  | Commerce              |
|         | Workshop on Techniques of Teaching English for Upper Primary School Teacher   | English               |
|         | Hindi day Celebration   | Hindi                 |
| 2015-16 | Lecture series "Light Insight" on International year of light   | Physics               |
|         | National Seminar on Emerging methods in Nano Technology<br>Workshop on Micro scale Analysis   | Chemistry             |
|         | Seminar on Vedic Mathematics  | Mathematics           |
|         | Workshop on Plant Propagation   | Botany                |

|         |   |             |
|---------|---|-------------|
|         | Seminar on Biodiversity conservation  | Zoology     |
|         | Coin Exhibition – coins from Mahajanapadha to Modern period   | History     |
|         | National Seminar on Poverty and Social Exclusion in India   | Economics   |
|         | Workshop on ACCA awareness  | Commerce    |
|         | Seminar on Translation: Theory and Practice   | English     |
|         | Workshop on Career and Hindi language learning  | Hindi       |
|         | Seminar on Importance of reading culture<br>Lecture on Kadhakali sahithyam                                | Malayalam   |
| 2016-17 | National seminar on Gravitational waves<br>Seminar on National Science Day                                | Physics     |
|         | Seminar on Nano Science   | Chemistry   |
|         | Finishing School for PG students  | Mathematics |
|         | Seminar on Ozone Day celebration<br>UrjaKiran-Workshop on energy conservation                             | Zoology     |
|         | Seminar on Medicinal Plants   | Botany      |
|         | Pazhassi Memorial speech  | History     |
|         | Inter-collegiate Paper Presentation Contest<br>Seminar on Demonetisation: A Move Towards Cashless Economy | Economics   |
|         | Finishing School for PG students  | Commerce    |
|         | Seminar on Renaissance Art and Evolution of Photography   | English     |
|         | National Conference of Hindi Poets<br>National seminar on Different Dimensions of Modern Hindi Literature | Hindi       |
|         | Lecture on “Malayala Bhashayum samskaravum”.<br>Lecture on “Haritha niroopanam Malayalakavithayil”        | Malayalam   |

### 2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc

#### Gender Sensitization

Variety of programmes are organized to sensitize staff and students on gender issues under the auspices of Women's cell, Vanitha vedi, College Union, NSS and various other cells functioning in the college.

- International Women's' day observed on March 8<sup>th</sup> every year. Eminent women personalities are invited to college on this day to interact with students and staff
- Talk on gender sensitization organized by Women's cell
- Free cancer detection camp for women of Mattannur Municipality organized by Vanitha Vedi in collaboration with Malabar Cancer Society
- Legal literacy programme related to gender issues organized by NSS
- Film shows on women empowerment, girl child abuse etc
- Seminar on cyber crimes



- Notice board displaying gender related issues
- Exhibition displaying paper cuttings related to crimes on girls
- Interaction with transgender arranged
- Women empowerment programme conducted for self help groups like Kudumbasree

### Inclusion

- The college admits students from diverse socio economic and political backgrounds including SC, ST, OBC, OEC, Minorities, BPL, differently abled etc.
- Equal opportunity centre functioning for the minorities
- Observance of Independence day, Republic day, Gandhi Jayanthi, Blood Donors day, AIDS day, National Science day, Teachers Day and all other days of importance.
- Celebration of festivals of various communities
- Assigning leadership to students through the activities of Students IQAC, College Union, NCC, NSS etc.
- Ensuring procurement of various scholarships to eligible students
- Ensuring the participation of all stakeholders like PTA, alumni, management in the activities of the college
- The following activities benefited diverse communities in and around our locality:
  - **Energy audit and awareness programme** in Nellunni Panchayath by Dept. of Physics
  - **Training in soap and soap powder making** given to mothers of economically backward students
  - **Blood donation camps** by Dept. of Zoology
  - Technical assistance to start **Mushroom cultivation at Central Jail, Kannur** by Dept. of Botany
  - **‘Women Empowerment Programme’**- Legal Literacy to Kudumbasree members of Mattanur Municipality by Department of Economics
  - **National Seminar on Poverty and social inclusion** by Dept. of Economics
  - **Survey on Financial inclusion** in Keezhallur Panchayath by Dept. of Commerce
  - **Communication skills enhancing programme** for school students by Department of English
  - Workshop on **Techniques of Teaching English** for school teachers by Dept. of English
  - **Free Cancer detection camp for women** by Vanitha Vedi in collaboration with **Malabar Cancer Society**
  - **Charity work at old age homes and rehabilitation centers** by NCC and NSS students
  - **Home for the homeless** programme by NSS unit

### Environment

#### Eco sensitization programmes

- The college nature club takes initiative to organize eco sensitization programmes such as awareness on **waste management**, clean and green campus, preservation of water, conservation of energy etc.
- **Nature club** organizes educational tours with a view to imbibe the need of protection of environment and ecological balance
- Variety of programmes is organized on June 5<sup>th</sup> **World environment day**, by different clubs of the college.
- Waste management committee comprised of teachers and students actively monitors the disposal of waste in the campus.

- **Pipe composts** are installed near every block to collect biodegradable waste. Separate bins are installed for plastic and non plastic wastes.
- NSS and NCC volunteers take initiative to clean the campus once in a month and has undertaken cleaning activities cooperating with **Swach Bharath Mission**
- NSS and NCC has started a **green initiative** in the campus by planting trees in collaboration with HDFC bank
- Institution is a partner in “**Harithakeralam**” programme , an initiative of the Kerala govt. to reduce, reuse and recycle waste and eradication of plastic waste
- Conducted “**SWAP MELA**” in collaboration with Mattannur Municipality to collect and handover dresses and other household items to the needy
- The clubs associated with every department maintains a garden in the premises of their department
- Physics Department has conducted an energy audit and awareness programme on energy conservation (**ENSAVE**) in Mattannur municipality in collaboration with KSCSTE and Kerala Shasthra Sahithya Parishath
- The thrust area of research carried out in Physics department is the synthesis and characterization of **eco friendly materials** for photovoltaic applications using environmentally benign techniques.
- Chemistry department has also taken up an extension activity in **water quality analysis** of the locality
- **Ozone day** is observed on September 16<sup>th</sup> every year by Chemistry department and organizes various programmes to make the students aware of the risk due to ozone depletion
- A **butterfly garden** and **vermin compost** plant is maintained by the Zoology department
- Plant Science department carries out **organic farming** in the campus and the vegetables cultivated are distributed to college canteen, staff and students
- **Rain water harvesting** plants are installed in the campus with financial support from UGC
- Fund allocated in UGC 12<sup>th</sup> plan for **solar power plant**
- **Green audit** conducted at three levels-energy audit, water audit and biodiversity audit with the support of staff and students

### 2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

- The advanced learners are identified to a certain extent from their response in the classes and further by the evaluation of assignments and class tests.
- The tutorial classes are designed mainly to cater to the needs of the slow and advanced learners.
- Walk With a Scholar (WWS) programme for the advanced learners and Scholar Support Programme (SSP) for slow learners instituted by Kerala Higher Education Council are being effectively implemented in the college.
- Peer teaching arranged by advanced learners help them to improve their learning and teaching skills.
- The college enhances intellectual capability of advanced learners by involving them in research projects, presentations in seminars, quiz etc
- Motivated to apply for summer research projects offered by Indian Academy of Science

- Advanced learners are also encouraged by the tutors to appear for competitive exams and provided additional study materials and guidance.
- Interactions arranged with our alumni who are actively involved in research.
- Advanced learners promoted to appear for talent search examinations (APT-TSE) and attend training programmes conducted by various institutes and organizations (PTTS, KSCSTE).
- They are also deputed to participate in various seminars, workshops and intercollegiate competitions at the university level
- Students motivated to apply for scholarships on merit-cum-means basis
- Orientation on higher studies options provided to UG students
- Finishing school conducted for PG students
- Students motivated to do courses offered by NPTEL
- NET coaching conducted by Dept. of Commerce
- Merit fest jointly organized by IQAC and PTA

**2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided?)**

**Department level**

- The data collected from the student profile and interaction between the students and tutors allow us to identify the students from poor socio-economic background.
- Analysis of the results of internal examinations help us to identify slow learners
- Mentoring and emotional support by class tutors, teachers and peer groups build the confidence of the students
- Students who miss their classes due to prolonged illness or other family problems are given special theory and practical sessions.

**College level**

- The Head of the Departments communicate the details of slow learners and students at the risk of drop out to the College council.
- Personal and group counseling by experts are arranged by IQAC for the weaker students.
- Effective mentoring via Walk With a Scholar programme
- Regular class PTA meetings are arranged to interact with parents of these students
- **Student support system-** a joined venture of the teaching and non-teaching staff of the college was launched to support financially and morally the students at the risk of dropouts. This has greatly helped to reduce the number of drop outs in the previous academic years.

## **2.3 Teaching-Learning Process**

**2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc)**

The Principal and the **Academic committee** comprising three teachers from Arts, Science and Commerce disciplines plan, monitor and evaluate the academic activities of the institution.

**College Academic Calendar** - It is prepared well before the commencement of the academic year. It includes the schedule of curricular, co-curricular and extra-curricular activities of the institution to be undertaken during the current academic year.

**Departmental Academic Calendar** - Based on the college calendar, each department prepares their departmental plan as decided in the departmental meeting. Teaching plan of all teachers is also included in the departmental plan. Teachers maintain a work diary to account all the curricular and co-curricular activities taken up.

**Monitoring** - Each department convenes the departmental meeting at the end of each term to evaluate the progress of the academic activities of the department. Additional working days or zero hours are utilized to compensate the lost teaching days. Portions are completed in time as per the teaching plan. Term wise report including all activities is submitted to the Academic committee. On the evaluation of the report suggestions for improvement are given by the committee.

**Continuous Evaluation** - The methodology and schedule of Continuous Evaluation (CE) are also included in the departmental plan. Some components of CE like internal tests, assignments etc are conducted at the departmental level and evaluated. The terminal and model examinations are conducted by the Examination cell centrally. The internal marks/grades finalized from the CE including attendance statements are monitored by the **Internal Assessment Committee** where the grievances of students can be redressed, if not possible at the department level. The complaints regarding the external examinations can be given directly to the **University**.

**Academic audit:** Internal academic auditing is done by IQAC at the end of every semester to ensure the quality of teaching learning and evaluation process.

### 2.3.2 How does IQAC contribute to improve the teaching –learning process?

IQAC members coordinate with the teachers and make timely interventions to improve teaching learning process.

- Prepares annual plan and academic calendar
- Promotes ICT enabled teaching.
- Organized workshops on e-content development and MOODLE training
- Promotes research activities and organizes resource sharing seminars
- Encourages departments to organize workshops and seminars
- Encourages and monitors all the co-curricular, extra-curricular and extension activities conducted by various departments
- Meets the student IQAC members regularly and enquire about their needs
- Organizes interaction of students and teachers with retired teachers of the institution.
- Conducts merit fest every year to motivate the students
- Regularly monitors the tutorial system
- Collects feedback from the students on teachers and curriculum at the end of every academic year, analyses and suggests measures for improvement.
- Conducts academic audit at the end of every semester.

### 2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

#### Interactive learning

- Each department has an associated club, with the students as the office bearers. The club organizes various activities like quiz competitions, debates and poster presentations on relevant topics at college level.

- ICT enabled learning promoted using MOODLE, NPTEL, virtual lab etc.
- Peer teaching promoted
- Learning experiences provided through experiments
- Field studies conducted develops interactive learning

**Collaborative learning**

- Students are promoted to organize exhibitions and carry out other extension and outreach activities which inculcate creativity and scientific temper
- Learning experiences provided by encouraging group projects

**Independent learning**

- Little libraries established in class rooms to inculcate reading habits
- Individual assignments and seminars by students promoted
- Individual username and password provided to students to access e-journals via N-LIST

**Support systems available**

- Academic autonomy to teachers to design and implement learning experiences
- Teachers encouraged to attend workshops, seminars, orientation and refresher courses
- Fully automated library
- NMEC internet connection in all the departments with sufficient systems
- Well furnished smart class room
- ICT teaching- learning with MOODLE, NPTEL

**2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?**

- Visiting institutions like orphanages, old age homes, mental health centre under the leadership of NSS and NCC to motivate the students to reflect on the hard social realities
- Encouraging innovations in organizing NSS and NCC activities by integrating surveys and action projects to benefit the society
- Celebrating festivals of all religions and promoting secular values in the campus
- Observance of days of national and international importance.
- Organizing blood donation camps
- Promoting activities of the college students' union and appreciating their novel initiatives.
- Interacting with social activists and eminent scholars in the campus to give opportunity to students to get inspired and acquire fresh perspectives
- Class room teaching is made highly interactive by motivating the students to pose questions.
- Students are promoted to organize exhibitions and carry out extension and out- reach activities which inculcate creativity and scientific temper
- Each department has an associated club, with the students as the office bearers. The club organizes various activities like quiz competitions, debates and poster presentations on relevant topics at college level.
- Adopting and practicing scientific methods for waste disposal in the campus by the segregation of bio-degradable and non-degradable solid waste
- Developing strategy to reduce carbon foot prints with a view to reduce global warming

**2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.**

- The lectures and videos available in NPTEL websites are used by faculties in various departments to make teaching effective.
- Students of various departments have registered for different courses offered via NPTEL.
- Students use amrita v-lab simulations and PhET simulations to do project and assignments
- Every department is provided with computers, NMEC internet connectivity and LCD projectors to enhance teaching learning process.
- MOODLE is installed in website
- There is a well maintained computer centre with internet connectivity and networking.
- E-resources are also made available in the central library.
- Well furnished smart class room with mounted LCD projector and public address system

**2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?**

- Workshops, seminars and conferences are regularly organized in the college inviting experts from in and outside the state
- The faculty and students are allowed to participate in seminars and conferences (National and International) organized by other institutions.
- Faculty and students attend training programmes conducted by various organizations
- Interaction of students with alumni pursuing research in national and international institutes or placed in reputable firms is arranged
- Interaction with eminent persons who have excelled in various fields inspire the students and the faculty to elevate themselves to a higher level of knowledge

**2.3.7 Detail (process and the number of students benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/ mentoring/ academic advise) provided to students?**

- Orientation programme on higher studies conducted by all departments
- Career guidance and counseling to all final year students by CG cell
- Psychological Counseling –Personal and group for second year students organized by IQAC
- Academic advise by well placed alumni
- Personality development classes by Career guidance cell
- Mentoring and academic advice to advanced learners-WWS programme-30 first Semester students enrolled every year
- Scholar Support programme for slow learners
- Finishing School for PG students



**2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?**

**Innovative teaching approaches**

- Student centered methods adopted for teaching
- ICT enabled teaching using NPTEL, MOODLE, PhET simulations and virtual laboratory.
- Students promoted to register for NPTEL courses
- Novel learning experiences provided to students through field work, data collection and analysis and integrating group projects into learning programmes
- Participative learning and problem solving methodologies adopted

**Efforts made by the institution**

- Academic autonomy given to teachers for curriculum transaction and evaluation
- Promotes faculty to attend faculty development programmes like workshops, seminars, summer schools refresher and orientation courses
- Provides infrastructure facilities for effective implementation of changing curriculum and teaching methods
- Conducts Certificate courses related to curriculum by many departments

**Impact on student learning**

- The innovative efforts have resulted in the holistic development of students and improved student progression

**2.3.9 How are library resources used to augment the teaching learning process?**

- Majority of books in each discipline are available in the centralized library, where teachers and students have access during all working days from 9 am to 4 pm.
- P G department of Commerce have their own departmental library with 1490 books and 5 journals.
- PG department of Mathematics also maintain department library with 350 books
- Other departments have book bank, supported by the club members, teachers and alumni. One faculty member is assigned the charge of departmental library and books are issued to the students whenever required.
- Attached to every department, there is a reading room for students with reference books and journals.
- Materials for competitive examinations, question papers of PG entrance examinations to National level institutes are also made available to the students
- Students are provided user name and password to access journals and articles from N-LIST
- Students also utilize library resources to prepare assignments and do projects

**2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.**

Yes, the institution faces challenges in completing the curriculum within the planned time frame. This is due to

- Time constraint-CBCSS vast curriculum
- Unexpected loss of working days due to declaration of holidays by the Government or the district administration



- Delay in commencing and closing of admission process by the University

#### **Institutional strategies to overcome these**

- Engage special classes to compensate
- Schedule classes in the morning and afternoon beyond the class hours
- Reschedule timetables towards the end of semesters

#### **2.3.11 How does the institute monitor and evaluate the quality of teaching learning?**

- Regular academic auditing by academic committee
- Analysis of feedback on teachers from students
- Peer evaluation of teachers
- Preparation and submission of self appraisal report of teachers to IQAC
- Regular monitoring of tutorial system
- Well planned examination and continuous evaluation system

### **2.4 Teacher Quality**

#### **2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum sought.**

Recruitment of the teachers in the college is done by the management as per the norms prescribed by the Government of Kerala, UGC and Kannur University. The selection and appointment of staff is based purely on academic credentials and performance in the interview. All vacancies are notified in national and local newspapers. The eligible candidates appear for an interview by the board constituted for the purpose and comprising, as per norms, the nominees of the State Government and the University. The candidates are expected to take a demonstration class each to prove their proficiency in teaching. Recruitment of teachers in the Community Quota is also made on the basis of pure merit.

**Table 2.4 Qualification of faculty members**

| Highest Qualification |                 | Professor |        | Associate Professor |        | Assistant Professor |        | Total |
|-----------------------|-----------------|-----------|--------|---------------------|--------|---------------------|--------|-------|
|                       |                 | Male      | Female | Male                | Female | Male                | Female |       |
| Permanent teachers    | D.Sc./D.Litt    | -         | -      | -                   | -      | -                   | -      | -     |
|                       | Ph.D.           |           |        | 1                   | 4      | 4                   | 10     | 19    |
|                       | Ph D with NET   |           |        | 1                   |        | 2                   | 2      | 5     |
|                       | M Phil with NET |           |        |                     |        | 1                   | 2      | 3     |
|                       | PG with NET     |           |        |                     |        | 5                   | 9      | 14    |
|                       | PG              |           |        | 1                   |        |                     |        |       |
| Temporary Teachers    | Ph.D.           |           |        |                     |        | 1                   |        | 1     |
|                       | M Phil          |           |        | 1                   |        |                     |        | 1     |
|                       | PG              |           |        |                     |        | 1                   | 12     | 13    |
|                       | PG with NET     |           |        |                     |        |                     | 2      | 2     |
| Part-time             | Ph.D.           |           |        |                     |        |                     |        |       |

|          |        |  |  |  |  |   |  |   |
|----------|--------|--|--|--|--|---|--|---|
| teachers | M Phil |  |  |  |  |   |  |   |
|          | PG     |  |  |  |  | 1 |  | 1 |

**2.4.2 How does the institution cope with the growing demand/scarcity of qualified senior faculty to teach new programmes/modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.**

- The college has an excellent combination of highly qualified senior as well as junior teachers for handling most of the emerging areas and new courses
- Teachers regularly attend workshops and seminars on emerging trends in the respective disciplines

**Table 2.5 Seminar/Workshop attended/paper presented by faculty members**

| Academic activity   |               | No. |
|---------------------|---------------|-----|
| Seminar             | National      | 130 |
|                     | International | 23  |
|                     | Regional      | 12  |
| Workshop            |               | 54  |
| Paper presentations |               | 85  |

- Seminars and workshops are organized at the college by every department inviting experts in emerging areas.
- Assistance of experts, researchers and alumni pursuing higher studies and research in reputed institutions are sought
- Faculty are deputed to attend orientation and refresher courses in time

**2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.**

**a) Nomination to staff development programmes (last four years)**

Institution allows the teachers to update their knowledge by attending various courses offered by reputed institutions and academic staff colleges without affecting their regular work. Colleagues will engage their classes and other duties. The details of the programmes attended by faculty members are the following.

**Table 2.6 Academic development programme attended by faculty members**

| Academic development programme attended by faculty members | No. of faculty nominated |
|--|--------------------------|
| Refresher courses  | 17                       |
| HRD programmes   | 10                       |
| Orientation Programmes                                     | 17                       |
| Staff Training conducted by University                     | 2                        |
| Staff training conducted by other institutions             | 5                        |
| Summer/Winter schools, Workshops, etc                      | 24                       |
| Workshop for Principals                                    | 1                        |

**b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning**

- Teaching learning methods/approaches
- Handling new curriculum
- Content/knowledge management
- Selection, development and use of enrichment materials
- Assessment
- Cross cutting issues
- Audio Visual Aids/multimedia
- OER's
- Teaching learning material development, selection and use

The institution is very keen in organizing training programmes to empower and enable the faculties to cope up with the demands of higher education. Some of the programmes organized by IQAC and various departments during last five years are tabulated below

**Table 2.7** Training programmes organized by departments

| Programme  | Organized by       | Year    | Focus   |
|--|--------------------|---------|---|
| Workshop on research methodology                                 | Dept. of Commerce  | 2013-14 | Awareness on emerging areas of research and how research experience helps in teaching |
| Workshop on e-content development                                | IQAC               | 2014-15 | New teaching learning methods   |
| Workshop on Academic Performance Indicators                      | IQAC               | 2014-15 | Assessment of quality of teachers   |
| Orientation to newly appointed teachers                          | IQAC               | 2015-16 | Role and responsibility of teachers   |
| Workshop on Microscale analysis                                  | Dept. of Chemistry | 2015-16 | Handling emerging areas   |
| Workshop on conducting online examinations                       | ICT cell           | 2016-17 | New assessment techniques   |
| Orientation on NPTEL courses                                     | ICT cell           | 2016-17 | Innovative teaching learning methods  |
| Seminar on e-learning and simulations                            | Dept. of Physics   | 2016-17 | Use of audiovisual and multimedia   |
| Seminar on gender sensitization and interaction with transgender | Women's cell       | 2016-17 | Cross cutting issues  |

**c) Percentage of faculty invited as resource persons in**

- Workshops / Seminars /Conferences organized by external professional agencies : **30**
- Percentage of faculty participated in external Workshops / Seminars /Conferences recognized by national/ international professional bodies: **65**
- Percentage of faculty presented papers in Workshops/ Seminars/ Conferences conducted or recognized by professional agencies :**60**

**2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications, teaching experience in other national institutions and specialized programmes industrial engagement etc.)**

- The IQAC and research cell promotes maximum teachers to apply for research projects funded by UGC, KSCSTE and other funding agencies. The college provides infrastructural and secretarial support for the same.
- The management and college encourage the teachers to avail UGC sponsored faculty development programmes to complete M Phil and Ph D. 10 teachers are currently pursuing PhD out of which two are on deputation under FDP scheme of UGC. 5 teachers have completed PhD availing FDP during last five years.
- The college provides duty leave for faculty to attend national and international conferences, seminars, workshops as delegates or resource persons.
- The college also promotes faculty to publish articles in reputed journals. The research cell of the college has published multidisciplinary journal compiling the research articles of the faculties.
- Young teachers are encouraged to participate in training programme for Fostering linkages in Academic Innovation and Research (FLAIR), an initiative of the Directorate of Collegiate Education Kerala.

**2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.**

**Table 2.8** List of faculty members who received awards/ recognitions

| Faculty           | Award  | Year    |
|-------------------|--|---------|
| Dr Sumitha Nair N | Rangasree Puraskaram for excellence in Mohiniyattam  | 2015-16 |
|                   | Sthreeshakthi Award for excellence in academics  | 2016-17 |
| Dr.Sumith.P.V     | Yuva Puraskar, Bharatheey Bhasha Parishad, Kolkatta  | 2013-14 |
|                   | Srijanlok Bhashantar Samman  | 2014-15 |
|                   | Ishitha Smritibaal Sahithya Ratna Samman, Baal Sahithya Research Institute, Khatima, Utharakhand | 2015-16 |

The institution has a very conducive environment for teaching learning. The teachers enjoy academic autonomy in the adoption of mode of teaching .The institution encourages teachers to practice innovative teaching methods and also to attend enrichment and training programmes to cope up with the emerging trends in higher education.

**2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?**

Yes, the institution conducts evaluation of teachers by students towards the end of every academic year using a questionnaire prepared by the IQAC. The questionnaire incorporates all the aspects required to improve teaching learning process. The consolidated evaluation

sheet is provided to every teacher based on which the teacher takes up necessary measures to improve the quality of teaching.

The evaluation procedure on teacher quality, college and curriculum by the students has been automated recently. Further teachers submit a self appraisal report to the IQAC every year. Measures for improvement are suggested by IQAC. Placement is recommended by IQAC based on the analyses of self appraisal report.

## 2.5 Evaluation Process and Reforms

### 2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

The college provides all the required information about the evaluation methods in advance through the college calendar/ website/ University site. Students also get more information from the respective departments regarding the pattern of questions, method of allotting marks etc. Previous years question papers are made available to the students in each department and college central library. Whenever examination reforms are introduced by the university, college conducts special orientation programmes in this regard. The internal tests are conducted on a common time table basis. Departments keep their own internal registers duly signed by the students. Hard copies of internal mark sheets signed by students are submitted to the University after uploading the same into the specific site of the University.

The new CBCSS system envisages continuous internal evaluation, conduct of internal and external examinations and timely publication of results. The introduction of Grading System and 5 point scale evaluation would help gauge the ability of teachers to set question papers in tune with the educational policy of new curriculum and their ability to switch their thinking effortlessly from marks to grades, change from traditional false number system to bar coded answer scripts system; uploading of results on university websites, reduces the chance for human errors due to many factors. Group projects on various topics and individual research projects enhance the research aptitude of students.

### 2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

The institution and affiliating university has initiated major reforms in the field of examination when the CBCSS syllabus was introduced for the UG and the PG.

#### University level evaluation reforms:

- From 2014 onwards, Kannur University introduced a major change in evaluation process by shifting 5 point direct grading to 7 point indirect grading system.
- Major aspects of examination process is computerized and made online. The affiliating university website has a separate online examination link, each college is provided with separate user name and passwords.
- The admission tickets (hall tickets) of students are generated online.
- The internal marks of students are entered online.
- The answer booklets have been reduced to smart size with fixed number of pages. The answer booklets are printed with barcode technology to maintain transparency.
- The examiners are given permanent examiner code which has to be entered in the consolidated grade sheet submitted after evaluation.

#### College level evaluation reforms

- Conduct of timely internal examinations, periodic class tests, assignments, group level and individual level seminars, proper supervision of the project work of students.
- Online examination is introduced for I semester core papers from 2015 onwards.

- Effective clustering of students for group learning, special coaching classes for weak and backward students, student feedback on teaching and evaluation process.
- Conduct of two internal examinations per semester by the institution and the University examination at the end of each semester, both for theory and practicals
- Uploading of the internal GPA on the university website.

### **2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the University and those initiated by the institution on its own?**

- Internal evaluation conducted by 7 point indirect grading system.
- Conduct of centralized internal examinations.
- Timely submission of mark lists.
- Online examination for I semester core papers.
- Collection of student feedback on teaching and evaluation process.
- Uploading of the internal GPA on the University website.
- The admission tickets (hall tickets) of students for external examinations are generated online.
- Academic committee and IQAC monitor the whole process.

### **2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.**

**Formative assessment methods** –The formative assessments approaches include internal examinations, both written and online, Open book examinations, seminars, assignments, viva- voce, field visits and projects. Based on the results of formative assessment adequate remedial teaching and tutorial classes are arranged.

**Summative assessment methods** –The summative assessment is carried out via University examinations in theory and practical. The formative assessment approaches and the subsequent remedial classes help the students to improve their performance in summative assessments.

#### **Positive impacts**

- Nurtures critical thinking, imagination, creativity, presentation skills, communication skills and scientific aptitude.
- Promotes independent learning of students
- Helps to assess or grade educator's level of learning in a certain period of time.
- Tends to stress what students can do rather than what they cannot.
- Provides descriptive analysis of performance of a student, indicating a holistic approach of assessment

### **2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (Weightage for behavioral aspects, independent learning, communication skills etc.)**

The method and components of internal assessment are laid down by the Board of studies of Kannur University and should be followed by the institutions. The college strictly follows the structure of internal assessment designed by the university though there is flexibility in the mode of implementation.

To ensure transparency the students are informed well in advance the schedule of internal mid semester and end semester exams. Students are given sufficient time to prepare



assignments, projects and presentations. The internal marks are published and signed by the students and grievances redressed before submitting to university.

As per university curriculum specific weightage is not allotted explicitly for behavioral aspects, independent learning and communication skills though these factors implicitly decide the performance in assignment, project presentation and viva –voce.

#### **2.5.6 What are the graduate attribute specified by the college/ affiliating university? How does the college ensure the attainment of these by the students?**

The vision of our institution is to excel in quality and to ensure equity in higher education. The institution adopts a holistic approach and aims at molding graduates with the following attributes

- They should have a comprehensive understanding of the society
- They should be able to uphold the values of democracy, secularism and social justice
- Should have concern for environmental sustainability
- Should be open to different kinds of opinions and positions and be able to choose between them
- They should have basic learning aptitude and desire to learn further
- Should have a thorough and basic knowledge in the core subject in which he/she graduates
- Should be technology friendly and acquire basic skills to use library, archives, computers, internet etc.
- Should learn to respect labor, particularly manual labor
- Above all they should be able to transcend present day conflicts and envision the contours of future generations and their requirements.

The college ensures the attainment of these attributes through the following activities.

- Exposure to the immediate society through field visits, motivational visits extension activities, projects etc.
- Organizing programmes on gender sensitization, inclusion, eco sensitization etc.
- Exposure to training like motivation classes, personality development sessions, counseling etc with emphasis upon development of individual qualities
- Effective implementation of teaching learning process with due emphasis on independent learning, interactive learning and collaborative learning blended with ICT enabled techniques.
- Ensuring active involvement of students in organizing sports and other co-curricular activities
- Diligent functioning of NSS and NCC units which inculcate service mentality and respect for manual labor among students

#### **2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?**

**College Level:** The internal assessment marks of the students are published by each department before they are submitted to the University. If the students have any complaints they will approach department heads/tutors. If necessary the complaints are forwarded to the Internal Assessment Committee for further action. If the complaints are unaddressed at the department, the students can directly register complaints at the **Grievance Reddressal cell** functioning in the college

**University Level:** After the announcement of results, if the student is not satisfied with the grades obtained, he has the option of verifying photocopy of answer scripts and then appeal for revaluation.



## 2.6. Student performance and Learning Outcomes

### 2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

Yes. The college has clearly stated outcome in all academic and co curricular activities in the college. Since the institution aims at the integral development of the student, we have been conducting orientation programmes for the new comers to introduce the planning, implementation and evaluation process in the college. The college organizes various programmes from which students get specific outcomes that help in developing their social sensitivity, entrepreneurship, ethics, team work and interpersonal relationships.

- The college has a vision and mission and the parameters for assessing learning outcome are designed in accordance with this.
- Every department prepares their annual academic plan which states the curricular and co-curricular activities of the year and is open to all students.
- Expected outcome of the departmental activities include positive changes in learners academic interest, resourcefulness and skills.
- Departmental induction programmes helps to convey the action plan to the students.
- The entry and exit level assessments reveals the learners overall development.

### 2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students' results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

The institution diligently monitors the performance of the students by continuous evaluation. Timely conduct of mid semester and end semester examinations and publication of results makes the students aware of their progress. Result analysis is done at the department level, college council and IQAC after the publication of results of semester exams by the university. The progress of the students is communicated through the tutorial classes and PTA meetings. The programme wise results of the students for last five years are tabulated.

**Table 2.9** The programme wise results of the students for last five years

| Name of the Course/<br>programme | Year    |         |         |         |         |
|----------------------------------|---------|---------|---------|---------|---------|
|                                  | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 |
| B.Sc. Physics                    | 80      | 83      | 62      | 61      | 88      |
| B.Sc. Chemistry                  | 92      | 88      | 97      | 90      | 89      |
| B.Sc. Mathematics                | 94      | 60      | 88      | 78      | 84      |
| B.Sc. Zoology                    | 100     | 100     | 100     | 93      | 100     |
| B.Sc. Plant Science              | -       | -       | -       | -       | 100     |
| B.A. History                     | 82      | 77      | 73      | 73      | 89      |
| B.A. Economics                   | 75      | 78      | 73      | 94      | 79      |
| B.Com.                           | 90      | 98      | 98      | 86      | 88      |
| B.A. English                     | 97      | 77      | 100     | 78      | 80      |
| B.A. Hindi                       | 96      | 100     | 92      | 100     | 87      |
| M.Sc. Mathematics                | -       | -       | -       | 93      | 85      |
| M.Com.                           | 100     | 86      | 80      | 83      | 71      |

**Table 2.10** Rank Holders at University level

| Name of the student | Course         | Rank | Year    |
|---------------------|----------------|------|---------|
| Vineetha K.C.       | B.A. Economics | I    | 2010-11 |
| Anjana.P.K          | M Com          | II   | 2012-13 |
| Jincy .M            | M Com          | III  | 2012-13 |
| Rarish.P            | M Com          | III  | 2013-14 |

**Table 2.11** Students who qualified NET-JRF and other competitive exams

| Name                 | Course               | NET/JRF/competitive exams | Year    |
|----------------------|----------------------|---------------------------|---------|
| Anjana.P.K           | M.Com.               | NET/JRF                   | 2012-13 |
| Nayana M.V           | „                    | „                         | 2012-13 |
| Jinesh V M           | BSc. Zoology         | MSc Entrance, CUP         | 2012-13 |
| Priyanka K           | BSc. Zoology         | MSc Entrance, CUP         | 2012-13 |
| Rakhi P              | BSc. Zoology         | MSc Entrance, CUP         | 2012-13 |
| Aswathi O            | BSc. Zoology         | MSc Entrance, CUK         | 2012-13 |
| Gopika N V           | BSc. Zoology         | MSc Entrance, CUK         | 2012-13 |
| Akhila K V           | BSc. Zoology         | MSc. Entrance ,CUSAT      | 2012-13 |
| Chaithanya E P       | BSc. Zoology         | MSc. Entrance ,CUSAT      | 2012-13 |
| Jimina KC            | BSc. Zoology         | MSc. Entrance ,CUSAT      | 2012-13 |
| K Sruthi             | BSc. Zoology         | MSc. Entrance ,CUSAT      | 2012-13 |
| Radhika Viswanath C  | BSc. Zoology         | MSc. Entrance ,CUSAT      | 2012-13 |
| Rarish.P             | M.Com.               | NET/JRF                   | 2013-14 |
| Nirmal S             | „                    | „                         | 2013-14 |
| Sibisha V C          | BSc. Zoology         | MSc Entrance, CUK         | 2013-14 |
| Amrutha C            | BSc. Zoology         | MSc. Entrance ,CUSAT      | 2013-14 |
| Nusaira P            | BSc. Zoology         | MSc. Entrance ,CUSAT      | 2013-14 |
| Greeshma Saseendhran | M.Sc.<br>Mathematics | SET                       | 2014-15 |
| Shijin               | MCom.                | JRF                       | 2014-15 |
| Athira T K           | BSc. Zoology         | MSc Entrance, CUK         | 2014-15 |
| Gopika Pavithran     | BSc. Zoology         | MSc Entrance, CUK         | 2014-15 |
| Nithya K             | BSc. Zoology         | MSc Entrance, CUK         | 2014-15 |
| Sneha P S            | BSc. Zoology         | MSc Entrance, CUK         | 2014-15 |
| Swetha K C           | BSc. Zoology         | MSc Entrance, CUP         | 2014-15 |
| Anagha K             | BSc. Zoology         | MSc. Entrance ,CUSAT      | 2014-15 |
| Neethu K V           | BSc. Zoology         | MSc. Entrance ,CUSAT      | 2014-15 |
| Vidya R              | BSc. Zoology         | MSc. Entrance ,CUSAT      | 2014-15 |
| Sudheesh V K         | MCom                 | NET                       | 2015-16 |
| Nithya Muraleedharan | BSc.<br>Mathematics  | MSc. Entrance ,CUSAT      | 2015-16 |
| Anjali T             | BSc. Zoology         | MSc Entrance, CUH         | 2015-16 |
| Shincy M             | BSc. Zoology         | MSc Entrance, CUP         | 2015-16 |
| Varsha M K           | BSc. Zoology         | MSc Entrance, CUP         | 2015-16 |
| Sithun Prakash P K   | BSc. Zoology         | MSc. Entrance ,CUSAT      | 2015-16 |
| Divya A K            | BSc. Zoology         | MSc. Entrance ,CUSAT      | 2015-16 |
| Vineethkumar P P     | BSc. Zoology         | MSc. Entrance ,CUSAT      | 2015-16 |
| Athira C B           | MCom                 | JRF                       | 2016-17 |

|               |                      |                 |         |
|---------------|----------------------|-----------------|---------|
| Jibina Rajeev | ”                    | NET             | 2016-17 |
| Nayana        | “                    | NET             | 2016-17 |
| Ratheesh T.V. | M.Sc.<br>Mathematics | NET-JRF<br>GATE | 2016-17 |

### 2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

The teaching, learning and assessment strategies of the institution are structured to facilitate the achievement of the intended learning outcomes.

- College level strategies are designed by considering the recommendations from department faculty, college council and academic committee.
- The Principal ensures and monitor the whole process.
- The college IQAC supports the learning process of all departments.

Teaching strategies followed by the college include

- Preparing annual academic calendar for the departments and follow the teaching-learning practices scheduled in the academic calendar.
- Using ICT enabled teaching methodology for imparting knowledge.
- Lot of facilities are arranged to interact with external experts

The learning strategies are as follows

- Class room teaching strengthened with students' participation.
- Academic auditing by the college academic cell, twice every semester.
- Assignments, seminars, students projects, industrial visits and field trips.
- Remedial coaching and peer teaching.

Assessment strategies include

- Fair and transparent continuous evaluation through test papers, assignments, projects, seminars and viva voce.
- Centralized mid semester and model examinations.
- Parent-teacher-student (PTS) meeting in every semester.
- Strict monitoring of student attendance and shortage, if any, is informed to the parent.
- End semester examination conducted by the University.

### 2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

The institution takes up initiatives to enhance the social and economic relevance of the courses offered by us.

#### • Student Placements- Centre for Career Guidance, Counseling and Extension

A Centre for career guidance and counseling is functioning in the college. The centre offers career and course guidance services for students at all levels. The centre provides detailed information on the facilities available for higher education available in the field of Arts, Humanities, Science, Engineering and Management in all the universities in Kerala and also in the rest of the universities in India. It arranges special programs for different groups of students for improving their career prospectus with the technical and professional assistance of various organizations and individuals.

The programmes organized by Career guidance and counseling cell during the last four years is tabulated below.

**Table 2.12** Programmes organized by Career guidance and counseling cell

| Year           | Activities   |
|----------------|--|
| <b>2010-11</b> | <ul style="list-style-type: none"> <li>* Workshop on Goal setting and Career planning was organized for final year students with the support of INSPIRE, Tellicherry</li> <li>* An orientation on career options and opportunities was organized the second year students</li> <li>* An orientation programme on MBA as career option and TIME Talent scholarship exam was conducted for the commerce students</li> </ul>  |
| <b>2011-12</b> | <ul style="list-style-type: none"> <li>* National level students development and placement programme</li> <li>* Orientation on career options and career opportunities</li> <li>* Information session on BJS All India examination in collaboration with NIIT Tellicherry</li> <li>* National level students development and placement programme conducted in collaboration with Koshy's Institute of management Bangalore.</li> </ul>   |
| <b>2012-13</b> | <ul style="list-style-type: none"> <li>* Campus drive conducted by Eureka Forbes Limited. 32 students participated and 10 students were selected.</li> <li>* An interaction session on career in Management was held for the final year students in collaboration with JOB SECURA Finishing school</li> <li>* Awareness programme on career opportunities in Logistics and Shipping Industries was organized for the final year UG students.</li> </ul>  |
| <b>2013-14</b> | <ul style="list-style-type: none"> <li>* A seminar on Practical accounting and taxation was organized in collaboration with Tax study centre.</li> <li>* Preliminary exam for placement in various IT firms was organized in collaboration with Koshy's Institute of Management, Bangalore</li> </ul>  |
| <b>2014-15</b> | <ul style="list-style-type: none"> <li>* Discipline wise Orientation programme on higher studies and career options for UG students was organized</li> <li>* 20 B Com. students attended a seminar on common admission test (CAT) held at Chinmaya Mission College. The students were given a training to attend the CAT MBA entrance in online format.</li> <li>* Campus drive to ICICI banks for final year students was conducted in collaboration with TVS group</li> <li>* 3 students of various departments participated in a one day workshop and training programme on global placement organized by World Malayalee Council at Kannur.</li> </ul> |

|         |  |
|---------|--|
|         | <ul style="list-style-type: none"> <li>* A personality development class for the final year students was conducted in association with IQAC.</li> <li>* A mock test for recruitment to banks was conducted for the final year students in association with TIME Kannur.</li> <li>* Personal and group counseling was conducted for the II year students</li> </ul>   |
| 2015-16 | <ul style="list-style-type: none"> <li>* A seminar on awareness on cyber crimes and protection of internet accounts was organized for the final year students in association with G-Tech Mattannur</li> <li>* 17 final year students attended a recruitment drive to various firms held at Calicut.</li> <li>* A talk on recruitment to ICICI banks was organized for the final year and PG students</li> <li>* A registration programme to employability centre Kannur was conducted for the final year students. 59 students have registered seeking job opportunities.</li> <li>* A training programme on how to attend bank tests was organized for the final year degree students in association with Time, Kannur. A mock test was conducted and results published.</li> </ul> |
| 2016-17 | <ul style="list-style-type: none"> <li>* A seminar on “How to crack civil service examinations” was organized for the final year students in collaboration with Target Learning Centre, Calicut</li> <li>* An orientation programme on animation courses and related job opportunities was conducted for the final year students in collaboration with Arena Multimedia , Kannur</li> </ul>  |

#### • Placement Cell

The placement cell functions under the auspices of the career guidance and counselling centre and provides placement assistance to final year students. The table provided shows the number of students who were selected via campus drive to various firms during the last four years

**Table 2.13** Number of placement during last four years

| Firm          | No. of students selected |
|---------------|--------------------------|
| Eureka Forbes | 10                       |
| Wipro         | 4                        |
| Federal Bank  | 4                        |
| ICICI Bank    | 17                       |

#### • Entrepreneurship

**Entrepreneurship Development Club** functioning in our college is a part of the statewide scheme formulated by the Department of Industries and Commerce, Govt. of Kerala, in association with the Department of Education to inculcate entrepreneurial culture among the students.

**Table 2.14** Various activities organized by ED club during the last five years

| Year    | Activity  |
|---------|---|
| 2011-12 | Seminar on “Spiritual Human Intelligence of Values in Organization for Higher Aspirations and Management”                   |
|         | Industrial visit to Parissons Liberty Tea Factory at the Tea Estate, Thalapuzha, Wayanad.                                   |
| 2012-13 | Awareness Seminar on Handloom Mark in collaboration with the Handloom and Textile Directorate Trivandrum and the DIC Kannur |
| 2013-14 | Participated in inauguration of Student Entrepreneurship Scheme at Techno Park  |
| 2014-15 | Khadi fest in collaboration with Kanhirode Weavers.   |
| 2015-16 | ‘Vibranze’- a seminar and interactive session on entrepreneurship.  |
| 2016-17 | Workshop on preparation of project proposals and the various schemes available for entrepreneurs                            |

• **Innovation and Research Aptitude**

Encourage to organize innovative initiatives such as:

- Blood donation camps every year.
- Organ donation programmes.
- Fund raising activities to give medical aid to the public
- Construction of house under the scheme ‘A Home for a Classmate’ by NSS.
- Visits to old age homes and orphanages.
- Conduct of SWAP mela to help the needy
- Collaborative programmes with external agencies like municipality, Kudumbasree Units, NGOs, Kerala Literacy Mission etc

To promote research culture we have been organizing

- Seminars, workshops and colloquium.
- Workshop on research methodology.
- Workshop on student projects.
- Assigning investigatory projects to students
- Ph.D. open defense in research department.
- Multidisciplinary journal published by Research Cell

### 2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

The institution collects and analyzes data on student performance and learning outcome in the following ways

- Testing entry level competency
- Continuous evaluation through test papers, assignments, projects, seminars and viva voce.
- Strict monitoring of student attendance
- Analysis of results at department level
- Analysis of feedback from students
- Parent-teacher-student (PTS) meeting in every semester.
- End semester examination conducted by the University.
- Comparison of entry level and exit level performances

Based on the analysis of student performance and feedback from students necessary measures are taken to overcome the barriers of learning. The following strategies are adopted to improve the performance of the students

- Teaching plans modified
- Mentoring and personal counseling given to students to build their confidence
- Tutorial classes used for bridging gaps
- Peer teaching and collaborative learning encouraged among fast learners
- Remedial classes for slow learners

#### **2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?**

The institution monitors and ensures the achievement of learning outcomes by

- Continuous assessment
- Analysis of results
- Tutorial classes
- Analysis of students feedback
- PTS meetings

#### **2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.**

Yes, the institution and individual teachers use the evaluation outcomes as indicator for evaluating student performance, achievement of learning objectives and planning. The inferences drawn from the data analysis with regard to continuous evaluation and analysis of students' feedback annually, enables teachers to adopt innovative modes of teaching and formulate new strategies in teaching learning to enhance the performance and holistic development of the students.

#### **Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.**

Generating the sense of social inclusion and social responsibility is a major step towards developing the quality of democratic citizenship in students. Hence it is taken as the focal theme of gender sensitization efforts of the college. A holistic approach was taken in discussing the theoretical and practical aspects of gender issues. The need to ensure social justice was given emphasis throughout our activities. Students were given exposure to the physical, social and emotional realities regarding trans-genders through interaction with such an individual. A pro-active attitude towards gender issues could be created as a result of our efforts.



## CRITERION III

## RESEARCH, CONSULTANCY AND EXTENSION

## 3.1 Promotion of Research

**3.1.1 Does the institution have recognized research centres of the affiliating University or any other agency/organization?**

The Department of Chemistry is a recognized Research Centre of Kannur University since 2007. Research laboratory of the Department of Physics produced 5 PhD's till date. The college has applied to get the status of Research Centre of Physics.

**3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.**

A Research cell is functioning in the college aimed at inculcating research initiative among the faculty members and students of the college. The Principal is the Chairperson of the cell; 4 HODs from science, humanities and commerce streams are members, of which the senior most is the convener.

**The composition of the present cell is:**

Chairperson : Dr.T.L.Remadevi, Principal  
 Convener : Dr.Hemalatha. A V (HOD of Commerce)  
 Members : Dr.Prasanna.M.K (HOD of Chemistry)  
               : Dr.Deepa.K (HOD of Physics)  
               : Dr.Lekha.P (HOD of Hindi)

**Activities of the Research Cell for the last four years:****Table 3.1** Activities of the Research Cell for the last four years

| Recommendations   | Outcome   |
|---|---|
| Motivate faculty members to take up Major/Minor research projects                                 | 15 minor and 1 major research projects are completed. 6 minor research proposals are submitted for financial assistance.                          |
| Encourage participation and presentation in National and International Seminars                   | 31 faculty members participated and presented research papers in national and international seminars/ conferences.                                |
| Support faculty members to apply and organize seminar/conference/workshop                         | National seminars were organized by the Departments of Physics, Chemistry, Zoology, Mathematics, Economics, Commerce, Hindi, and Central Library. |
| Encourage faculty members to enroll in PhD programme and to avail FDP facility from UGC.          | Seven faculty members were qualified with the degree of PhD during 2010-2016 and two are pursuing PhD in Kannur University.                       |
| Faculty members are persuaded to apply for recognition as Research Guides of various Universities | Accordingly four teachers acquired research guideship. At present six teachers are recognized as the research guides under Kannur University.     |
| Faculty are encouraged to publish their findings in reputed journals                              | Published research articles in National and International journals.   |
| Organize lectures by availing in house  | Presentations by faculty members on   |

| resources  | topics of their expertise.  |
|--|---|
| Better coordination and monitoring of students projects                        | Revamped the research culture of students.  |
| Extending the facility of e-resources for the benefit of students and teachers | Central library enrolled the faculty members and students to N-LIST                           |
| To establish new research centres  | Department of Physics has been applied for recognition as research centre.                    |
| To publish a multidisciplinary journal   | Published a journal of research articles, 'MELANGE', of our faculties of various departments. |

### 3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?

- autonomy to the principal investigator:**  
 Autonomy is accorded to the Principal Investigator with respect to the conduct of research; in the selection of topic, utilization of funds and appointment of research fellows etc.
- timely availability or release of resources:**  
 The college maintains regular communication with the funding agencies and it is ensured that the information flows down to the targeted group without any delay. The administrative staffs are directed to stream line the process and procedures to avoid delay in releasing fund.
- adequate infrastructure and human resources:**  
 The college is always keen to provide all sorts of facilities for research scholars to carry out research work and to faculty who undertake minor/major projects. The management supports the infrastructure development of the laboratories using overhead charges.
- time-off, reduced teaching load, special leave etc. to teachers:**  
 No relaxation is given to teachers from engaging classes or in teaching hours for undertaking research. They have to carry out such initiatives beyond normal working hours. But the college offers flexibility in the schedule of work so as to enable them to complete the projects in time. Teachers availing FDP facility granted by UGC can make use of leave with pay for completing the doctoral degree.
- support in terms of technology and information needs:**  
 We support the researchers with free internet in all departments and Wi-Fi in college computer centre. Central library provide access to Books, Journals and e-resources.
- facilitate timely auditing and submission of utilization certificate to the funding authorities:**  
 The administrative staffs of the college take initiative to maintain proper accounts. They are periodically audited by an external reputed agency and utilization certificates are submitted in time.
- any other**  
 'Excel in quality', being the motto of the college, research cell takes initiatives to organize interactions with scholars or eminent faculties actively involved in research. This gives an opportunity to the teachers and students to excel in teaching/learning process.

### 3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

College takes the initiative to develop research culture among students.

- As per the curriculum, students of both UG and PG are doing project work for the partial fulfilment of their programme. Students are encouraged to work on topics of social relevance. They are guided by teachers of respective departments with regard to the methodology and preparation of project report.
- The faculty members on completion of their research work share their research experience with the students and train them in collection and processing of data and report writing.
- Departments organize inter collegiate colloquium, power point presentation and poster competitions with a view to provide a platform for presentation of research works, leading them to explore innovative areas of research. Students are also encouraged to participate in such competitions organized by other institutions.
- Students are encouraged to attend seminars/workshops on and off the campus.
- Departments organized exhibitions focusing on product models, presentations and demonstrations that help to promote the creativity, organizing capacity and innovative skills of the students.
- With specific intention of promoting research aptitude and providing awareness in project report preparation, an orientation programme was organized by IQAC to all students and teachers of the college.
- Seminars and Workshops are arranged in emerging research areas in various disciplines.
- Department of Commerce conducted a National Workshop on “Research Methodology of Social Science Research” for the teachers and research scholars in Kannur district.

### 3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.)

The list given below indicates the involvement of our faculty in active research.

#### Research Guides and Registered Research Scholars

**Table 3.2** Research Guides and Registered Research Scholars

| No.   | Name of the Research Guide | Affiliated University | Name of the Research Scholars        |
|---|----------------------------|-----------------------|--------------------------------------|
| <b>Department of Physics</b><br><b>Broad area of expertise : Material Science</b> |                            |                       |                                      |
| 1.  | Dr. T. L Remadevi          | Kannur University     | 1.Preetha K.C.(Awarded)              |
|   |                            |                       | 2.A.J Regina(Awarded)                |
|   |                            |                       | 3.K.V Murali(Awarded)                |
|   |                            |                       | 4.Deepa .K(Awarded)                  |
|   |                            |                       | 5.A.C Dhanya(Awarded)                |
|   |                            |                       | 6.GeethanjaliP M (Part time scholar) |
|   |                            |                       | 7.T VSathyan (Part time scholar)     |
| <b>Department of Physics</b><br><b>Broad area of expertise : Nuclear Physics</b>  |                            |                       |                                      |

|  |                    |                   |   |
|--|--------------------|-------------------|---|
| 2  | Dr. R.K.Biju       | Kannur University | -   |
| <b>Research Centre, Department of Chemistry</b><br><b>Broad area of expertise : Coordination Chemistry, Environmental Chemistry and Nano Chemistry</b> |                    |                   |   |
| 3  | Dr.K.Pradeep Kumar | Kannur University | 1.M.K.Prasanna(Awarded)<br>2.Sajini.K.N(Part time scholar)<br>3.Surabhi A.K(Part time scholar)<br>4.Shilna (Part time scholar)  |
| <b>Department of Zoology</b><br><b>Broad area of expertise : Ecology, Ethology and Entomology</b>  |                    |                   |   |
| 4  | Dr. Leena P.T.     | Kannur University | -   |
| <b>Department of Commerce</b><br><b>Broad area of expertise : Microfinance, Women empowerment and Entrepreneurship</b>                                 |                    |                   |   |
| 5  | Dr.Hemalatha.A.V   | Kannur University | 1.Raesuddeen P (Full time scholar)<br>2. Jayanthi.K.C (Part time scholar)<br>3. Samina Sathyanath (Part time scholar)<br>4. Jinse Joseph (Part time scholar)<br>5. Shyma.K (Part time scholar)<br>6. Shanavas.S.M (Part time scholar)<br>7.Amutha.R (Part time scholar)<br>8.Rajasree K (Part time scholar) |
| <b>Department of Hindi</b><br><b>Broad area of expertise : Modern Poetry and Functional Hindi</b>  |                    |                   |   |
| 6  | Dr. Sumith P.V.    | Kannur University | -   |

**Other faculty members with Ph.D. and their involvement in research:**

**Table 3.3** Faculty members and their involvement in research

| Sl No | Name                     | Discipline | Involvement                        |
|-------|--------------------------|------------|------------------------------------|
| 1     | Dr. Deepa K              | Physics    | Publication/Collaboration          |
| 2     | Dr.Amruha K.Adiyodi      | Physics    | Publication                        |
| 3     | Dr.Prasanna.M.K          | Chemistry  | Publication/Collaboration          |
| 4     | Dr.Sreejith.P            | Chemistry  | Publication                        |
| 5     | Dr. Maheshkumar Madathil | Zoology    | Minor Research Project             |
| 6     | Dr. P.Balakrishnan       | Botany     | Minor Research Project             |
| 7     | Dr.Radhamani.C.P         | History    | Publication                        |
| 8     | Dr. Samyuktha Sasikumar  | History    | Publication                        |
| 9     | Dr.Vidhya.K.B            | Economics  | Minor Research Project             |
| 10    | Dr.Praveed Ninkileri     | Economics  | Publication                        |
| 11    | Dr. Abraham George       | Commerce   | Publication                        |
| 12    | Dr.A Sugathakumari       | English    | Publication                        |
| 13    | Dr.C.Padmanabhan         | English    | Publication                        |
| 14    | Dr.Rakhi Raghavan        | English    | Publication                        |
| 15    | Dr.Lekha.P               | Hindi      | Publication/Minor Research Project |

|    |                   |           |                                    |
|----|-------------------|-----------|------------------------------------|
| 16 | Dr.Lakshmi.S.S    | Hindi     | Publication                        |
| 17 | Dr.Renu.S         | Hindi     | Publication                        |
| 18 | Dr.Sreekala.U     | Hindi     | Publication                        |
| 19 | Dr.Sumitha Nair.N | Malayalam | Publication/Minor Research Project |

**Teaching Staff doing research for Ph D Degree:**

**Table 3.4** Faculty doing research for Ph D Degree

| No | Name            | University/<br>Institute  | Title  | Research Guide          |
|----|-----------------|---------------------------|--|-------------------------|
| 1  | Satheesan M.K   | Kannur University         | Synthesis of Metal oxide Nano particles and their characterization                               | Dr. V. Kumar            |
| 2  | Reena           | Kannur University         | Synthesis and Charecterization of D block metal complexes with shift base                        | Dr. N.H. Zeinul Huckman |
| 3  | Usha K.K.       | Kannur University         | A Study on Set- valuations of Graphs and Hypergraphs,  | Sr. Dr. Germina K A     |
| 4  | Ragi P V        | Kannur University         | Applied for registration   | Dr. T V Ramakrishnan    |
| 5  | Biju K.         | Kannur University         | A Study on Quasi Normed Cones  | Dr. T P Raveendran      |
| 6  | Arathy S Nair   | Mahatma Gandhi University | Sustainable Consumer Behaviour : A Household Level Study in Kerala                               | Dr. N Madhava Menon     |
| 7  | Shaji.E.V       | Mahatma Gandhi University | Tourism Industry in Malabar Region of Kerala.  | Dr.Venugopalan K.V      |
| 8  | Jayanthi K C    | Kannur University         | Applied for registration   | Dr. Hemalatha.A.V       |
| 9  | Aparnadevi M    | Kannur University         | Applied for registration   | Dr. Swarupa R.          |
| 10 | Lekshmi S       | SSUS , Kalady             | Problematic of Othering in Hollywood Apocalyptic Films: An Ecofeminist Reading                   | Dr. Nisha Venugopal     |
| 11 | Muralidharan PT | Mahatma Gandhi University | Imagery and Biofeedback: Effect on Mental States, Physiological Indices and Athletic Performance | Dr. Anil Ramachandran   |

**Faculty involved in Minor Research Projects – Ongoing/Completed:**

**Table 3.5** Faculty involved in Minor Research Projects

| No | Name               | Funding Agency | Amount (Rs.) | Status    |
|----|--------------------|----------------|--------------|-----------|
| 1  | Dr. T. L. Remadevi | UGC            | 1,40,000     | Completed |
| 2  | Dr Bijini B. R.    | UGC            | 20,000       | Completed |
| 3  | Dr. R. K Biju      | UGC            | 80,000       | Completed |
| 4  | Satheesan M .K     | UGC            | 1,70,000     | Completed |

|    |                          |     |          |           |
|----|--------------------------|-----|----------|-----------|
|    |                          | UGC | 2,00,000 | Completed |
| 5  | Reena                    | UGC | 90,000   | Completed |
| 6  | Ragi P.V.                | UGC | 1,00,000 | Ongoing   |
| 7  | Dr. Maheshkumar Madathil | UGC | 1,30,000 | Completed |
| 8  | Dr. K. B. Vidhya         | UGC | 95,000   | Completed |
| 9  | Arathy S Nair            | UGC | 50,000   | Ongoing   |
| 10 | Mahima.C.V               | UGC | 1,10,000 | Ongoing   |
| 11 | Anil Chandran.S          | UGC | 1,05,000 | Ongoing   |
| 12 | Dr. Lekha P              | UGC | 85,000   | Completed |
| 13 | Dr. Smitha S. Nair       | UGC | 1,10,000 | Completed |
| 14 | Dr.Sumitha Nair.N        | UGC | 85,000   | Completed |
| 15 | Muralidharan PT          | UGC | 55,000   | Completed |

### Faculty involved in Major Research Projects – Sanctioned/Completed

**Table 3.6** Faculty involved in Major Research Project

| Sl No | Name              | Funding Agency | Amount      |
|-------|-------------------|----------------|-------------|
| 1     | Dr. T. L Remadevi | KSCSTE         | 12.82 lakhs |

### 3.1.6 Give details of workshops/ training programmes/sensitization programmes conducted / organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

All departments in the college conduct seminars and workshops for sensitizing and propagating research culture among faculty members and students.

### Seminars/ Conferences/Workshops organized & the source of funding

**Table 3.7** Seminars/ Conferences/Workshops organized

| No                           | Item             | Title/Programme  | Funding agency | International /National /Regional | Year |
|------------------------------|------------------|--|----------------|-----------------------------------|------|
| <b>Department of Physics</b> |                  |  |                |                                   |      |
| 1                            | <b>Seminars</b>  | Academic enrichment programme  | PTA            | Regional                          | 2011 |
| 2                            |                  | EOSN-National Seminar on emerging trends in solar cell nanomaterials | UGC            | National                          | 2011 |
| 3                            |                  | National Science day Celebrations                                    | KSCSTE         | Regional                          | 2012 |
| 4                            |                  | National Science Day celebration                                     | KSCSTE         | Regional                          | 2014 |
| 5                            |                  | Bohr centenary celebrations  | KSCSTE & APT   | Regional                          | 2014 |
| 6                            |                  | Lecture series “Light Insight” on International year of light        | KSCSTE         | Regional                          | 2015 |
| 7                            |                  | National seminar on Gravitational waves                              | KSCSTE         | National                          | 2016 |
| 8                            |                  | National Science Day celebrations                                    | KSCSTE         | Regional                          | 2017 |
| 1                            | <b>Workshops</b> | Workshop in laboratory Physics for High school                       | PTA            | Regional                          | 2014 |

|                                  |                   |  |              |          |      |
|----------------------------------|-------------------|--|--------------|----------|------|
|                                  |                   | students   |              |          |      |
| 2                                |                   | ENSAVE- Energy conservation campaign and energy audit    | UGC, PTA     | Regional | 2014 |
| 3                                |                   | Workshop on CRO familiarisation                          | -            | Regional | 2015 |
| <b>Department of Chemistry</b>   |                   |  |              |          |      |
| 1                                |                   | National Science Day celebration                         | KSCSTE       | Regional | 2012 |
| 2                                |                   | National Science Day celebration                         | KSCSTE       | Regional | 2013 |
| 3                                | <b>Seminars</b>   | Emerging research areas in Materials science             | Alumni       | National | 2015 |
| 4                                |                   | Ozone day Celebration                                    | KSCSTE       | Regional | 2015 |
| 5                                |                   | National Science Day celebration                         | KSCSTE       | Regional | 2016 |
| 6                                |                   | Nano Science   |              | Regional | 2017 |
| 1                                | <b>Conference</b> | Emerging methods in Nano Technology                      | UGC          | National | 2015 |
| 1                                | <b>Workshop</b>   | Micro scale Analysis                                     | KSCSTE       | National | 2015 |
| <b>Department of Mathematics</b> |                   |  |              |          |      |
| 1                                |                   | Graph Theory and its applications in Matrix              | Dept. Fund   | Regional | 2011 |
| 2                                |                   | Fourier Series and Harmonic Analysis                     | Dept. Fund   | Regional | 2011 |
| 3                                |                   | Mathematical Analysis & Algebra                          | UGC          | National | 2013 |
| 4                                | <b>Seminars</b>   | Groups of Symmetries of a Triangle                       | Dept. Fund   | Regional | 2013 |
| 5                                |                   | Application of Euclidean Algorithm                       | Dept. Fund   | Regional | 2014 |
| 6                                |                   | Career opportunities and higher education in Mathematics | Dept. Fund   | Regional | 2014 |
| 7                                |                   | Vedic Mathematics  | Dept. Fund   | Regional | 2016 |
| <b>Department of Zoology</b>     |                   |  |              |          |      |
| 1                                |                   | World Environment Day celebration                        | KSCSTE & DST | Regional | 2010 |
| 2                                |                   | Academic Enrichment Programme                            | PTA          | Regional | 2010 |
| 3                                |                   | National Science Day celebration                         | KSCSTE & DST | Regional | 2011 |
| 4                                |                   | Faunal Diversity of Kerala                               | UGC          | National | 2012 |
| 5                                |                   | World Environment Day celebration                        | KSCSTE & DST | Regional | 2012 |
| 6                                | <b>Seminars</b>   | National Science Day celebration                         | KSCSTE & DST | Regional | 2013 |



|                                |                  |   |              |          |      |
|--------------------------------|------------------|---|--------------|----------|------|
| 7                              |                  | World Environment Day celebration   | KSCSTE &DST  | Regional | 2013 |
| 8                              |                  | Ozone Day celebration   | KSCSTE &DST  | Regional | 2013 |
| 9                              |                  | National Science Day celebration  | KSCSTE &DST  | Regional | 2014 |
| 10                             |                  | National Science Day celebration  | KSCSTE & DST | Regional | 2015 |
| 11                             |                  | Ozone Day celebration   | KSCSTE &DST  | Regional | 2016 |
| 12                             |                  | Academic Enrichment Programme   | PTA          | Regional | 2016 |
| 1                              | <b>Workshops</b> | National Environment Awareness Campaign   | CED & MoEF   | Regional | 2013 |
| 2                              |                  | National Environment Awareness Campaign   | CED & MoEF   | Regional | 2014 |
| 3                              |                  | Urja Kiran  | EMC&CED      | Regional | 2015 |
| 4                              |                  | Urja Kiran  | EMC&CED      | Regional | 2016 |
| <b>Department of Botany</b>    |                  |   |              |          |      |
| 1                              | <b>Seminars</b>  | Mycorrhiza  | College      | Regional | 2011 |
| 2                              |                  | Bio-divesity of Kannur  | KSCSTE       | Regional | 2011 |
| 1                              | <b>Workshops</b> | Multimedia presentations  | IQAC         | Regional | 2015 |
| 2                              |                  | Plant propagation   | College      | Regional | 2016 |
| <b>Department of History</b>   |                  |   |              |          |      |
| 1                              | <b>Seminars</b>  | Historical Significance of Pazhassi Rebellion   | Dept. Fund   | Regional | 2010 |
| 2                              |                  | Megalithic Culture in Kerala  | Dept. Fund   | Regional | 2011 |
| 3                              |                  | Agrarian relations in medieval Kerala society   | Dept. Fund   | Regional | 2014 |
| 4                              |                  | Role of temples in medieval Kerala  | Dept. Fund   | Regional | 2015 |
| 5                              |                  | Oral tradition and local history  | Dept. Fund   | Regional | 2015 |
| 1                              | <b>Workshops</b> | Archival Studies  | Dept. Fund   | Regional | 2012 |
| <b>Department of Economics</b> |                  |   |              |          |      |
| 1                              | <b>Seminars</b>  | Human Rights Education  | UGC          | Regional | 2012 |
| 2                              |                  | Human Rights Education  | UGC          | Regional | 2013 |
| 3                              |                  | World Human Rights Day  | UGC          | Regional | 2014 |
| 4                              |                  | ‘Poverty and Social Exclusion in India-Need for a Policy Framework Towards Inclusive Development’ | UGC          | National | 2015 |
| 5                              |                  | Legal Awareness   | UGC          | Regional | 2015 |

|                        |           |  |                               |          |             |
|------------------------|-----------|--|-------------------------------|----------|-------------|
|                        |           | Campaign   |                               |          |             |
| 6                      |           | Demonetisation: A Move Towards Cashless Economy                              | PTA                           | Regional | 2016        |
| Department of Commerce |           |  |                               |          |             |
| 1                      | Seminars  | Financial Literacy   | Dept. Fund                    | Regional | 2011        |
| 2                      |           | Career Options   | Dept. Fund                    | Regional | 2012        |
| 3                      |           | National Seminar on Indian capital market in the Globalised Scenario         | UGC & PTA                     | National | 2013        |
| 4                      |           | Campus Interview Training  | Dept. Fund                    | Regional | 2014        |
| 5                      |           | Career planning and Career options   | Dept. Fund                    | Regional | 2014        |
| 6                      |           | Personality Development  | Dept. Fund                    | Regional | 2014        |
| 7                      |           | Company secretaries-Awareness programme                                      | Dept. Fund                    | Regional | 2015        |
| 8                      |           | Emerging Trends in Indian banking sector                                     | Dept. Fund                    | Regional | 2015        |
| 1                      | Workshops | Workshop on Research Methodology   | Department & registration fee | Regional | 2013        |
| Department of English  |           |  |                               |          |             |
| 1                      | Seminars  | Current Trends in Journalism   | Dept Fund                     | Regional | 2011        |
| 2                      |           | Literature and Cinema  | Dept Fund                     | Regional | 2012        |
| 3                      |           | Indian Cinema-Past and Present   | Dept Fund                     | Regional | 2013        |
| 4                      |           | Media Ethics   | Dept Fund                     | Regional | 2014        |
| 5                      |           | Translation: Theory and Practice   | Dept Fund                     | Regional | 2015        |
| 6                      |           | Renaissance Art and Evolution of Photography                                 | Dept Fund                     | Regional | 2016        |
| 1                      | Workshops | 21 Day Residential Camp of Additional Skill Acquisition Programme            | H E Dept. Govt of Kerala      | Regional | 2012 & 2013 |
| 2                      |           | Workshop on Techniques of Teaching English for Upper Primary School Teachers | College PTA                   | Regional | 2014        |
| Department of Hindi    |           |  |                               |          |             |
| 1                      |           | Hindi Day celebration  | NYK                           | Regional | 2010        |
| 2                      |           | Hindi day Celebration  | NYK                           | Regional | 2011        |

|                                |                   |  |            |          |      |
|--------------------------------|-------------------|--|------------|----------|------|
| 3                              | <b>Seminars</b>   | Hindi day Celebration                              | NYK        | Regional | 2012 |
| 4                              |                   | Different Aspects of Contemporary Hindi Literature | UGC        | National | 2013 |
| 5                              |                   | Hindi day Celebration                              | NYK        | Regional | 2013 |
| 6                              |                   | Hindi day Celebration                              | NYK        | Regional | 2014 |
| 7                              |                   | Hindi day Celebration                              | NYK        | Regional | 2015 |
| 8                              |                   | Different Dimensions of Modern Hindi Literature    | Dept. Fund | National | 2016 |
| 9                              |                   | Hindi Natak –Vividh Ayaa                           | Dept. Fund | National | 2016 |
| 1                              | <b>Workshop</b>   | Career and Hindi Language Learning                 | UGC        | National | 2015 |
| 1                              | <b>Conference</b> | Conference of National Hindi Poets`.               | Dept. Fund | National | 2016 |
| <b>College Central Library</b> |                   |  |            |          |      |
| 1                              | <b>Seminar</b>    | Current Trends in Organization of Knowledge        | UGC        | National | 2015 |

### 3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

We have one Research Centre in Chemistry and one Research Laboratory in Physics. Our faculty includes 6 recognized Research Guides and 18 Ph.D. holders.

#### Recognized Research Guides and their respective areas of research

**Table 3.8** Recognized Research Guides and their respective areas of research

| No | Name of faculty                     | Discipline | Area of Research   |
|----|-------------------------------------|------------|--|
| 1  | Dr.K.Pradeepkumar (Retd. Principal) | Chemistry  | Coordination Chemistry, Environmental Chemistry and Nano Chemistry |
| 2  | Dr.T.L.Remadevi(Principal)          | Physics    | Semiconducting Thin Films for solar cells                          |
| 3  | Dr.A.V.Hemalatha                    | Commerce   | Microfinance, Women empowerment and Entrepreneurship               |
| 4  | Dr.Leena.P.T                        | Zoology    | Ecology, Ethology and Entomology.                                  |
| 5  | Dr.Biju.R.K                         | Physics    | Nuclear Physics  |
| 6  | Dr.Sumith Poduval                   | Hindi      | Modern Poetry and Functional Hindi                                 |

#### Faculty members and their respective areas of research

**Table 3.9** Faculty members and their respective areas of research

| No | Name of faculty       | Discipline | Area of Research       |
|----|-----------------------|------------|------------------------|
| 1  | Dr. Deepa. K          | Physics    | Material science       |
| 2  | Dr. Amrutha K Adiyodi | Physics    | Material science       |
| 3  | Dr.Prasanna.M.K       | Chemistry  | Coordination Chemistry |

|    |                            |             |   |
|----|----------------------------|-------------|---|
| 4  | Satheesan .M.K             | Chemistry   | Nano chemistry                                |
| 5  | Reena                      | Chemistry   | Coordination Chemistry                        |
| 6  | Dr. Sreejith.P             | Chemistry   | Polymer Chemistry                             |
| 7  | Usha K K                   | Mathematics | Graph theory                                  |
| 8  | Ragi P V                   | Mathematics | Graph Theory                                  |
| 9  | Biju K                     | Mathematics | Operator Theory                               |
| 10 | Dr.Maheshkumar<br>Madathil | Zoology     | Insect Diversity Studies                      |
| 11 | Manjary S                  | Zoology     | Applied Zoology                               |
| 12 | Dr.Balakrishnan.P          | Botany      | Botany General                                |
| 13 | Dr.Radhamani.C.P           | History     | Ancient India                                 |
| 14 | Dr.Samyuktha Sasikumar     | History     | Ancient India                                 |
| 15 | Dr. K B Vidhya             | Economics   | Development Economics, Agricultural Economics |
| 16 | Arathy S Nair              | Economics   | Environmental Economics, Gender Economics     |
| 17 | Dr. Praveed Ninkileri      | Economics   | Industrial Economics, Public Finance          |
| 18 | Dr.Abraham George          | Commerce    | Financial management                          |
| 19 | Mr.Shaji. E.V              | Commerce    | Tourism                                       |
| 20 | Mrs.Jayanthi.K.C           | Commerce    | Medical Insurance                             |
| 21 | Mr.Anil Chandran           | Commerce    | Service Industry                              |
| 22 | Mrs.Aparnadevi.M           | Commerce    | Entrepreneurship                              |
| 23 | Mr.Tushar Soubhari         | Commerce    | Financial management                          |
| 24 | Mrs.Anjana.P.K             | Commerce    | Financial management                          |
| 25 | Dr. A Sugatha Kumari       | English     | Postmodern Studies                            |
| 26 | Dr.C.Padmanabhan           | English     | Film Studies                                  |
| 27 | Dr.Rakhi Raghavan          | English     | Cultural Studies                              |
| 28 | Ms.Shobha S.Nair           | English     | Cultural Studies                              |
| 29 | Mr.Ravikrishnan T          | English     | ELT, Indian Writing in English                |
| 30 | Ms.Remya P                 | English     | ELT   |
| 31 | Ms.Lekshmi S               | English     | Eco feminism                                  |
| 32 | Dr.Lekha.P                 | Hindi       | Literature                                    |
| 33 | Dr.Lekshmy.S.S             | Hindi       | Literature                                    |
| 34 | Dr.Renu.S                  | Hindi       | Literature                                    |
| 35 | Dr.Sreekala.U              | Hindi       | Literature                                    |
| 36 | Dr.Sumitha Nair N          | Malayalam   | Criticism and Kerala Culture.                 |

|    |                  |                    |   |
|----|------------------|--------------------|---|
| 37 | Muralidharan P.T | Physical Education | Theory: Exercise Physiology<br>Game: Volleyball |
|----|------------------|--------------------|---|

### 3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

All departments in the college organize National Seminars, Workshops, Panel discussion and interactive sessions by inviting researchers of eminence. These initiatives provide a platform to share their knowledge and expertise with the faculty and the students so as to inspire them to explore higher possibilities in education and research.

**Table 3.10** Researchers of eminence visited the campus

| Year    | Name of Scientist/Academician  |
|---------|--|
| 2010-11 | Dr. K. Rajmohana, Scientist, Western Ghat Regional Centre, Zoological Survey of India, Kozhikode           |
| 2011-12 | Dr K P Vijayakumar, Professor, Department of Physics, Cochin University of Science and Technology (CUSAT)  |
|         | Dr Sudha Kartha, Professor, Department of Physics, Cochin University of Science and Technology (CUSAT)     |
|         | Dr M K Jayaraj, Professor, Department of Physics, Cochin University of Science and Technology (CUSAT)      |
|         | Dr R T Rjaendra Kumar, Professor, Bharathiar University, Tamil Nadu  |
|         | Dr. Manjunatha Pattabhi, Professor, Mangalore University, Mangalore  |
|         | Dr Elizabeth Alias, Professor National Institute of Technology, Calicut                                    |
|         | Dr Sony Varghese, Professor, National Institute of Technology, Calicut                                     |
|         | Dr.K.Rajeev, Director, Alnylam Pharmaseuticals, Cambridge  |
|         | Dr. P.S. Easa, Director, Kerala Forest Research Institute, Thrissur  |
|         | Dr. P.M. Sureshan, Director in charge, Western Ghat Regional Centre, Zoological Survey of India, Kozhikode |
|         | Dr. Aravind N.A, Scientist, ATREE, Bangalore   |
|         | Dr. Muhamed Jaffer Palot, Western Ghat Regional Centre, Zoological Survey of India, Kozhikode              |
|         | Dr. P. Pramod, Scientist, SACON, Coimbatore  |
|         | Dr. P K Michael Tharakan, Vice Chancellor of Kannur University   |
|         | Dr.Francis Cherunilam, Director, SMS, CUSAT  |
|         | Dr.T. Asokan, Prof. and Head, DMS, Palayad, Kannur University(now Pro Vice Chancellor , Kannur University) |
|         | Dr.P.Mohan, Professor (now Pro Vice Chancellor, Calicut university)DCMS, University of Calicut.            |
| 2012-13 | Sri. C R Neelakantan, KELTRON Deputy Manager, Popular social activist                                      |
|         | Dr K M Ajith, Assistant Professor, National Institute of Technology, Surathkal                             |
|         | Dr. Sushanth C.M., Scientist, CWRDM, Kozhikode   |
|         | Dr. E.J Joseph, Scientist, CWRDM, Kozhikode  |
|         | Prof. Richard Hay, Retd. Principal, Govt.College, Koyilandy.(now Member of Parliament)                     |
|         | Vinay.N, Director, Corporate Relations, NITE, Bangalore  |
|         | Roopesh Kumar, Department of Media Studies, Help University, Malaysia                                      |
| 2013-14 | Dr.Sugunan, Professor of Chemistry, Cochin University of Science and                                       |

|                |  |
|----------------|--|
|                | Technology   |
|                | Dr. T Thrivikraman , Emeritus Prof., CUSAT   |
|                | Dr. A R Rajan Professor, Kerala University   |
|                | Dr. Santhosh George Associate Prof,NIT Surathkal   |
|                | Dr. Kunhanandan M, Associate Prof ,Goa University  |
|                | Dr. Kuncham Syamprasad, Assistant Prof ,MIT Manipal  |
|                | Dr Kedukkodi Babu Srinivas, Assistant Prof, MIT Manipal  |
|                | Dr.Harikrishnan, Assistant Prof,MIT Manipal  |
|                | DR.K K N Kurup , eminent Historian and former Vice Chancellor of Calicut University  |
|                | Dr.G.Simon Thattil, Professor, Department of Commerce and School of Business Management, Kerala University.                        |
|                | Dr.Rajam, Asso.Prof of Hindi Mumbai University.  |
|                | Dr.Sunitha.Asso Pro. Of Hindi,Karnataka University   |
| <b>2014-15</b> | Dr V P N Namboori, Emeritus Professor, Cochin University of Science and Technology (CUAST)   |
|                | Dr. Harikumar,Senior Scientist,CWRDM,Kozhikode   |
|                | Dr. MukundanThelakkad, Professor, University of Bayreuth,Germany   |
|                | Dr P V Siddarthan (Scientist, ISRO),   |
| <b>2015-16</b> | Harish C. Menon, Assistant News Editor, Editorial, Times of India, Mumbai  |
|                | Dr. Reji Philip, Professor, RRI, Bangalore   |
|                | Dr.Sujith.A, Assistant Professor of Chemistry,NIT,Calicut  |
|                | Mr. Sintu Mathew Iype, Sr.Associate Scientist,Biocon,Bangalore   |
|                | Dr. Murugesan Vadakkematham, Professor, National Technological University, Singapore   |
|                | Dr. C. Kunhikannan, Scientist, IFGTB, Coimbatore   |
|                | Dr. Venkatesh B Athreya, (Eminent Economist), Advisor, Food Security, MS Swaminathan Research Foundation, Chennai                  |
|                | Dr S Harikumar, Professor,Department of Applied Economics, CUSAT   |
|                | Dr. T.P. Sasikumar, (Retd) Scientist, ISRO.  |
|                | Prof.VimaleshTripathi,Linguistic Expert.Culcutta   |
|                | Dr.A.Aravindakshan, Principal (Rtd),International Hindi University ,Wardha.  |
|                | Dr.Padmapriya, Asso.prof of Hindi, Pondichery University.  |
| <b>2016-17</b> | Dr.Chandrika.KAsso.Prof.of Hindi GovtCollege,Yanam,Andhrapradesh   |
|                | Dr.Vipin C, Associate Professor, Department of English, English and Foreign Languages University, Lucknow                          |
|                | Dr. P. Ajith- ICTS,(Member team LIGO-India), Bangalore   |
|                | Dr.Jayasankar Babu.K, Asst.Prof.of Hindi, Pondichery University.   |
|                | Dr.UmaHegde,Asso.Prof.of Hindi, Kuvembu University   |
|                | Sri K K Marar, famous artist   |
|                | Dr. Biju. K, Assistant Professor, Central University of Tamilnadu  |
|                | Dr. Sathees C. Raghavan (Shanti Swaroop Bhatnagar Award Winner), Associate Professor, Department of Biochemistry, IISc., Bangalore |

|   |
|---|
| Dr P J Vincent, Press Secretary of Speaker, Kerala legislative assembly |
|---|

**3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?**

At present there is no provision of sabbatical leave for the faculty members in order to carry out research. However, teachers utilize FDP facility available under UGC for carrying out research leading to PhD.

**3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)**

All the faculty members of the college are keen to publish research articles in reputed National and International journals. Research findings of the faculty are shared with the students and the community through paper presentations in seminars, and workshops. The institution encourages the teachers to actively participate in popularization of science by organizing programmes within and outside the campus to imbibe a scientific temper among the community in general and the students in particular.

- Awareness programme on Energy conservation and Energy audit in:
  - Nellunni ward in Mattannur Municipality by the Department of Physics.
  - Temple ward of Mattannur Municipality, ward 12 of Malur Grama Panchayat and ward 11 of Vengad Grama Panchayat by the Department of Zoology.
- Hands on training in apiculture and vermin composting to the parents by Department of Zoology.
- Many teachers of this institution are resource persons in specific areas of relevance.
- Research works carried out by the teachers and the students of various departments focus mainly on the local environmental and social issues, and therefore have a direct impact on the society.
- Women empowerment in Kerala through SHGs - programme by Department of Commerce
  - A session on “How to attain Empowerment” to the SHG members formed under the leadership of NSS Taluk union.
  - Orientation to the Kudumbasree members of Mattannur Municipal area on “Empowerment through Entrepreneurship development”

### 3.2 Resource Mobilization for Research

**3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.**

The college spends an appreciable amount for the development of infrastructure for research such as purchasing books for the library, subscribing research journals, installing internet facility, providing access to e-resources through N-LIST etc. though no separate fund is allotted for research.

The laboratories are frequently upgraded with necessary instruments to improve the research facilities.



**3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?**

The college has no provision to provide seed money for research. In fact, faculty members are eligible for financial assistance under the Faculty Development Programme of UGC.

**3.2.3 What are the financial provisions made available to support student research projects by students?**

- Financial assistance from the KSCSTE and the University, are being made available to the research students in the Research Departments of the Institution.
- Research culture among students is ensured by facilitating participation of students in research and related activities.
- The teachers also support the students to carry out their project work. No financial support is provided by the college to the students for undergoing projects. However, the Departments provide internet facility, reference books and proper guidance for carrying out projects taken up by the UG and PG students, as part of their curriculum.

**3.2.4 How does the various departments/units/staff of the institute interact in undertaking interdisciplinary research? Cite examples of successful endeavours and challenges faced in organizing interdisciplinary research.**

- The expertise of the Departments of Commerce and Economics are exchanged while the students are undertaking research projects.
- The students of the Department of Physics and Chemistry interact in subjects common to both departments. The departments are planning to apply for an interdisciplinary project to UGC.
- The Department of Zoology and Botany jointly engaged in the preparation of Campus Biodiversity Register.

**3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?**

- With an intention to promote research culture among the staff and students, the college takes the initiative to provide library facilities, beyond the working hours of the college with latest edition of books and standard journals.
- The well equipped laboratory in science streams offers wide opportunity to the staff and students to undertake research projects.
- Internet facilities are made available in the computer lab and in all the departments of the college to teachers, research scholars and students doing project.
- N-LIST access is provided to all faculty and students.
- IQAC takes initiative to orient all the beneficiaries for maximum use of available resources. Proper monitoring is also carried out by IQAC. The multidisciplinary journal published by the research cell provides an opportunity for the teachers to publish their research articles.

**3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.**

- The college receives grants from UGC for undertaking minor and major research projects and FDP facility for completing M Phil and Doctoral degree.
- Overhead charges have been used for developing research facilities in the institution.

### 3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

The IQAC and Research Cell of the college, take the initiative to motivate the faculty members to take up research projects leading to PhD and to apply for Minor and Major research projects. The details of ongoing and completed projects are given below.

#### Minor Research Projects – Sanctioned/Completed

**Table 3.11** Minor Research Projects – Sanctioned/Completed

| No | Name                      | Funding Agency | Topic  | Amount (Rs.) |
|----|---------------------------|----------------|--|--------------|
| 1  | Dr. T. L. Remadevi        | UGC            | Optical band gap engineering of ZnSe thin films prepared by post thermal treatment and doping for photovoltaic and luminescent applications.               | 1,40,000     |
| 2  | Bijini B. R.              | UGC            | Growth and characterization of some biologically important organic crystals  | 20,000       |
| 3  | Dr. R. K Biju             | UGC            | Nuclear Structure Studies via Cluster Decay  | 80,000       |
| 4  | Satheesan M .K            | UGC            | Synthesis of nano metal oxides and their Characterization-Application in Optoelectronics   | 1,70,000     |
|    |                           | UGC            | Photo catalytic Application of zinc oxide based metal oxides-Application in Organic Waste disposal Management  | 2,00,000     |
| 5  | Reena                     | UGC            | Water Analysis   | 90,000/      |
| 6  | Ragi P.V.                 | UGC            | Advanced study on set graceful and set sequential graphs   | 1,00,000     |
| 7  | Dr. Mahesh Kumar Madathil | UGC            | Antimicrobial activity of <i>Pheretima posthuma</i> Kinberg extract.   | 1,30,000     |
| 8  | Dr. K. B. Vidhya          | UGC            | Poverty and Deprivation among the Tribals-A Question of Social Non-Inclusiveness   | 95,000       |
| 9  | Arathy S Nair             | UGC            | Determinants of sustainable consumption: A household level study in Kannur district.(Ongoing)  | 50,000       |
| 10 | Mahima.C.V                | UGC            | A Study on Impact of Globalisation on Textile industries in Kannur District  | 1,10,000     |
| 11 | Anil Chandran.S           | UGC            | Role of KSFE in enhancing saving habits among Rural people in Palakkad District.   | 1,05,000     |
| 12 | Dr. Lekha P               | UGC            | Adolescence problem in the short stories of Mannu Bhandari   | 85,000       |
| 13 | Dr. Smitha S. Nair        | UGC            | Relevance of translation in contemporary period: a critical reasoning of selected works of Hindi-Malayalam literary translation in socio-cultural aspects. | 1,10,000     |
| 14 | Dr.Sumitha Nair.N         | UGC            | Globalization and Cultural Amnesia ;the secular re-thinking of the ideological politics of major festivals in India  | 85,000       |

|    |                 |     |   |        |
|----|-----------------|-----|---|--------|
| 15 | Muralidharan PT | UGC | Imagery and Biofeedback : Psycho physiological indices and athletic performance | 55,000 |
|----|-----------------|-----|---|--------|

### Major Research Projects – Sanctioned/Completed

**Table 3.12** Major Research Projects – Sanctioned/Completed

| No | Name              | Funding Agency | Topic  | Amount      |
|----|-------------------|----------------|--|-------------|
| 1  | Dr. T. L Remadevi | KSCSTE         | Optical and electrical characterization of wide bg semi conducting thin films prepared from novel photo chemical deposition method | 12.82 lakhs |

### Minor Research Projects – Proposals submitted for financial assistance

**Table 3.13** Minor Research Projects – Proposals submitted for financial assistance

| No | Name                  | Funding Agency | Topic  | Amount   |
|----|-----------------------|----------------|--|----------|
| 1  | Dr.Amrutha K. Adiyodi | UGC            | Simultaneous Emission of Three Primary Colours from Rare Earths Doped PVA Polymer Composite with Single Excitation             | 4,99,529 |
| 2  | Dr.Prasanna.M.K       | UGC            | Synthesis, Characterisation and antimicrobial studies of hydralazine and isoniazid based hydrazones and their metal complexes. | 5,00,000 |
| 3  | Dr. Radhamani C. P.   | UGC            | The Agricultural Practices of Malabar in pre and post Colonial Era: A Study on Indigenous Farming and Tribal Agriculture       | 3,00,000 |
| 4  | Dr. Sumith P V        | UGC            | A comparative study of Anamika and Vijayalakshmi's Poetry; in the context of feminism  | 3,00,000 |
| 5  | Dr.Sreekala.U         | UGC            | Shamsher Bahadur Singh ke Ghazalom mein abhivyakth daarsanik va naitik anubhuti ke vibhinna ayam                               | 2,70,000 |
| 6  | Dr. Lekshmy S S       | UGC            | Uthar Malabar ki lok kala- muchilott theyyam ke vishesh sandharbh meim   | 2.40,000 |

## 3.3 Research Facilities

### 3.3.1 What are the research facilities available to the students and research scholars within the campus?

- A Research Cell is constituted in the college to look after and promote research activities in the institution.
- Administrative support is provided for timely submission of project proposals and reports of research activities to funding agencies.
- The administrative staffs of the college take initiative to maintain proper accounts. They are periodically audited by an external reputed agency and utilization certificates are submitted in time.

- Academic freedom is provided in the campus.
- The researchers have freedom to utilize the infrastructure facilities in the campus even on holidays.
- Uninterrupted power supply is ensured in the campus.
- The Central Library of the institution is equipped with a fully automated system of access, internet facilities with access to e-books, and e-journals through N-LIST, research journals, and books.
- Research Centre in the Department of Chemistry, Research Lab of Department of Physics and Zoology Laboratory are equipped with the following equipments as listed below:

**Table 3.14 Equipments in Research Labs**

| No | Name of Equipment  |
|----|--|
| 1  | UV-Visible Spectrophotometer                                       |
| 2  | Fume hood  |
| 3  | Air ovens  |
| 4  | Magnetic stirrer   |
| 5  | Microwave ovens  |
| 6  | Double distillation and single distillation for water purification |
| 7  | Muffle furnace   |
| 8  | UV lamps   |
| 9  | Precision water bath   |
| 10 | Melting point apparatus  |
| 11 | Water quality analyzer kit   |
| 12 | Colorimeter  |
| 13 | Conductivity meter   |
| 14 | Electronic balances with 3digits and 4 digit sensitivity           |
| 15 | Electrical balance   |
| 16 | Automated SILAR thin film coating unit                             |
| 17 | Photo chemical deposition setup                                    |
| 18 | Keithley Source measurement unit                                   |
| 19 | Four probe conductivity set up                                     |
| 20 | Magnetic stirrer cum hot plate                                     |
| 21 | Refluxing unit   |
| 22 | Trinocular Zoom Stereoscopic                                       |
| 23 | Micro Centrifuge   |
| 24 | Homogenizer  |
| 25 | Electrophoresis Units  |
| 26 | U V Trans illuminator  |
| 27 | Laminar Flow Cabinet   |
| 28 | Medical Incubator  |
| 29 | Hot air blower   |
| 30 | Ultrasonic cleaner   |

### 3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

- The IQAC and the Research cell identify and plan the activities to be carried out with due consideration for promotion of research.

- The infrastructure facilities needed are sought in consultation with experts in the respective areas.
- Priority is always given to modernize the laboratories while allocating funds for the developmental activities of the college.
- All eligible teachers are enthused to take up the guide ship for facilitating teachers and eligible students to take up research.
- Department of Physics has applied for recognition as research centre.
- The college is exploring the possibility of upgrading the Post Graduate Department of Commerce and the Department of Zoology as research centers.

**3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities?? If 'yes', what are the instruments/facilities created during the last four years.**

Yes

Chemistry Research Centre procured the following equipments with the financial support of UGC.

**Table 3.15 Equipments in Chemistry Research Lab**

| No | Instruments  |
|----|--|
| 1  | UV-Visible Spectrophotometer                                       |
| 2  | Fume hood  |
| 3  | Air ovens  |
| 4  | Magnetic stirrer   |
| 5  | Microwave ovens  |
| 6  | Double distillation and single distillation for water purification |
| 7  | Muffle furnace   |
| 8  | UV lamps   |
| 9  | Precision water bath   |
| 10 | Melting point apparatus  |
| 11 | Water quality analyzer kit   |
| 12 | Colorimeter  |
| 13 | Conductivity meter   |
| 14 | Electronic balances with 3digits and 4 digit sensitivity           |
| 15 | Electrical balance   |

Physics Research Lab procured the following equipments with the financial support of UGC and KSCSTE.

**Table 3.16 Equipments in Physics Research Lab**

| No | Instruments   |
|----|---|
| 1  | SILAR set up for deposition of thin films             |
| 2  | Keithley set up for measuring electrical conductivity |
| 3  | Four probe set up                                     |
| 4  | Precision water bath                                  |
| 5  | Hot air ovens   |
| 6  | Magnetic stirrer                                      |
| 7  | UV lamps  |
| 8  | Single distillation for water purification            |
| 9  | Muffle furnace  |
| 10 | Electronic balances with good sensitivity             |
| 11 | Electronic balance                                    |
| 12 | Other customized set ups for thin film deposition     |

Apart from this, the individual faculty members who take up Minor Research Projects make use of the funds received from UGC, for purchasing books, computers and equipments for their parent departments.

### 3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

- The research facilities in the campus are open to students and research scholars from outside.
- The research scholars from the Department of Physics, University of Calicut and Department of Physics, Kannur University and Department of Chemistry, Nirmalagiri College make use of the facilities and services of the Chemistry Research Centre.
- The facilities of Physics Research Laboratory have been utilized by research scholars from School of Pure and applied Physics, Kannur University and various affiliated colleges in and out of the state.
- Post graduate students from various institutions depends the Chemistry Research Centre and Physics Research Laboratory for doing their M.Sc. dissertations.

**Table 3.17** Research Scholars using facilities of Chemistry Research Lab

| Name of Research Scholar                | Name of the department                         | Facilities used   |
|---|--|---|
| Abdul Gafoor                            | Dept of Physics ,<br>University of Calicut     | Air oven, Hydrothermal bomb, double distillation unit, Magnetic stirrer units, electronic balance           |
| Deepa.K, Dhanya A C,<br>Geethanjali P M | Department of Physics<br>Kannur University     | UV-visible Spectrophotometer.<br>Hot air oven, Digital balance, SILAR coating unit, Source measurement unit |
| Shimna                                  | Department of Chemistry<br>Nirmalagiri College | UV-visible Spectrophotometer  |

### 3.3.5 Provide details on the library/ information resource center or any other facilities available specifically for the researchers?

The Central Library of the institution is equipped with a fully automated system of access, Internet facilities with access to e-books, and e-journals through N-LIST, research journals, and books.

- Chemistry Research Centre is provided with a library with 4 research journals, a large collection of published papers and nearly 1000 books.
- Research Laboratory of the Department of Physics is provided with a library with 4 research journals, a large collection of published papers and nearly 400 books.

### 3.3.6 What are the collaborative research facilities developed/created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

- Chemistry Research Centre maintains academic exchange with other research centers of Kannur University, University of Calicut and School of Chemical sciences, MG university
- Research Laboratory of the Department of Physics maintains academic exchange with

- School of Pure and applied Physics, Kannur University,
- Al Ameen College, Edathala, Ernakulam
- Govt. College, Madappally
- Nehru Arts and Science College, Kanhangad
- Indian Institute of Management, Kozhikode, one of the leading management institutes in the country, donated books worth Rs.10000/- to the library in Department of Commerce.
- Department of Commerce maintains academic exchange with MG College Iritty.
- Central Hindi Directorate, Bangalore donates books to the Library of Department of Hindi every year. In 2016, the department received books worth Rs. 74000/-.

### 3.4 Research Publications and Awards

#### 3.4.1 Highlight the major research achievements of the staff and students in terms of

\* **Patents obtained and filed (process and product)** Nil

\* **Original research contributing to product improvement** Nil

\* **Research studies or surveys benefiting the community or improving the services**

- Student projects mainly focus on socio-economic studies, environmental issues and market economy which need surveys benefiting the community.
- Research work of many of our faculty aims at improving the living standards of our fellow beings like:
  - Poverty and Deprivation among the Tribals - A Question of Social Non-Inclusiveness – Dr. K.B. Vidhya
  - A Study on Impact of Globalization on Textile industries in Kannur District – Mahima C.V.
  - Role of KSFE in enhancing saving habits among rural people in Palakkad District – Anil Chandran S.
  - Sustainable Consumer Behavior : A Household Level Study in Kerala – Arathy S. Nair
- Department of Commerce conducted a survey on financial inclusion among the households of one ward in Keezhallur panchayath, a nearby area of our college, with the support from NABARD, Kannur. The report was submitted to Kerala Gramin bank as the area under survey comes under the service area of the bank.
- Department of Physics organized an energy audit in Nellunni ward of Mattannur Municipality.
- Students of the Department of Zoology audited the energy consumption of households of Temple ward of Mattannur Municipality, ward 12 of Malur Grama Panchayat and ward 11 of Vengad Grama Panchayat.

\* **Research inputs contributing to new initiatives and social development**  
Nil

#### 3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

- Research Cell of the college publishes a Multidisciplinary journal 'Melange' every year, (from 2015 onwards) by collecting research papers from the faculty members of the college.
- The Editorial Board comprises of:  
Patron : Dr.T.L.Remadevi, Principal



Chief Editor: Dr.Hemalatha. A.V. (Convenor, Research Cell)

Editors : Dr.Deepa. K

: Dr.Lekha. P

: Dr.Prasanna. M. K

### 3.4.3 Give details of publications by the faculty and students:

**Table 3.18** List of publication per faculty

| Name of Faculty      | Department  | National Journals | International Journals |
|----------------------|-------------|-------------------|------------------------|
| Dr T L Remadevi      | Physics     |                   | 29                     |
| Dr.Deepa K           | Physics     |                   | 20                     |
| Dr Biju R K          | Physics     | 1                 | 3                      |
| Dr Amrutha K Adiyodi | Physics     |                   | 3                      |
| Dr.Prasanna.M.K      | Chemistry   |                   | 5                      |
| Satheesan .M.K       | Chemistry   |                   | 3                      |
| Dr. Sreejith.P       | Chemistry   |                   | 2                      |
| Usha K K             | Mathematics |                   | 1                      |
| Ragi P V             | Mathematics | 1                 |                        |
| Dr. Leena P.T.       | Zoology     | 2                 | 1                      |
| Arathy S Nair        | Economics   | 1                 |                        |
| Dr. Hemalatha A V    | Commerce    | 7                 | 5                      |
| Shaji EV             | Commerce    | 2                 |                        |
| Anil Chandran.S      | Commerce    |                   | 1                      |
| Tushar Soubhari      | Commerce    |                   | 8                      |
| Dr. C.Padmanabhan    | English     | 3                 | 2                      |
| Dr. Rakhi Raghavan   | English     |                   | 1                      |
| Dr.Lekha.P           | Hindi       | 2                 |                        |
| Dr.Sumith PV         | Hindi       | 23                |                        |
| Dr.Lekshmy S S       | Hindi       | 8                 |                        |
| Dr.Renu.S            | Hindi       | 2                 |                        |
| Dr. Sreekala U       | Hindi       | 2                 |                        |
| Dr.Sumitha Nair N    | Malayalam   | 8                 |                        |
| <b>Total</b>         |             | <b>62</b>         | <b>84</b>              |

\*Number of papers published by faculty and students in peer reviewed journals (national / international) – 62/84

\* Number of publications listed in International Database

(For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

\* Monographs

\* Chapter in Books

**Table 3.19** List of publication (books, chapters, articles) per faculty

| Name of Faculty      | Chapter in Books | Books Published | Books Edited | Articles |
|----------------------|------------------|-----------------|--------------|----------|
| Dr T L Remadevi      | 5                |                 |              |          |
| Dr.Deepa K           | 3                |                 |              |          |
| Dr Amrutha K Adiyodi | 1                |                 |              |          |
| Dr. Leena P.T.       | 2                |                 |              |          |
| Arathy S Nair        | 1                |                 |              |          |
| Dr.Praveed Ninkileri | 1                |                 |              |          |
| Dr. Hemalatha.A.V    | 3                |                 |              |          |

|                      |           |          |          |           |
|----------------------|-----------|----------|----------|-----------|
| Tushar Soubhari      | 8         |          |          |           |
| Dr. Sugatha Kumari A | 1         |          |          |           |
| Dr. C. Padmanabhan   | 2         |          |          | 25        |
| Dr Rakhi Raghavan    | 1         |          |          |           |
| Ravikrishnan T       | 2         |          |          |           |
| Dr. Sumith PV        | 3         | 3        | 1        |           |
| Dr. Lekshmy S S      |           | 1        |          |           |
| Dr. Sreekala U       |           | 1        |          |           |
| Dr.Sumitha Nair N    |           | 1        |          | 7         |
| <b>Total</b>         | <b>33</b> | <b>6</b> | <b>1</b> | <b>32</b> |

\* Books with ISBN/ISSN numbers with details of publishers

**Table 3.20** List of publication (books with ISBN/ISSN numbers) per faculty

| Name of Faculty   | ISBN/ISSN numbers      | Publisher                     |
|-------------------|------------------------|-------------------------------|
| Dr. Sumith PV     | ISBN 978-93-5207-358-0 | Press Prakashan, New Delhi    |
|                   | ISBN 978-93-84404-00-0 | Yatharth Prakashan, New Delhi |
|                   | ISBN 978-81-9259506-1  | Alakh Prakashan, Jaipur       |
| Dr. Lekshmy S S   | ISBN 978-81-8111-341-2 | Jawahar Pusthakalay, Madhura  |
| Dr.Sumitha Nair N | ---                    | Kairali Books Kannur          |

\*Citation Index

\*SNIP

\*SJR

\*Impact factor

\* h-index

**Table 3.21** Citation index of publications per faculty

| Name of Faculty       | Citation Index | SNIP | SJR | Impact factor | h-index |
|-----------------------|----------------|------|-----|---------------|---------|
| Dr. T L Remadevi      | 159            |      |     | <6            | 7       |
| Dr. Deepa. K          | 89             |      |     | <6            | 5       |
| Dr. R K Biju          | 234            |      |     | <6            | 9       |
| Dr. Amrutha K Adiyodi | 87             |      |     | <6            | 6       |
| Dr.K.Pradeep Kumar    |                |      |     | 1<            |         |
| Dr.Prasanna.M.K       |                |      |     | 1<            |         |
| Mr.Satheesan.M.K      | 3              |      |     | 3             |         |
| Dr. Leena P.T.        |                |      |     | 3             |         |
| Anil Chandran         |                |      |     | <6            |         |

\* Ph.D Thesis Supervised

**Table 3.22** Ph.D Thesis Supervised

|                    |   |
|--------------------|---|
| Dr. T. L. Remadevi | Synthesis and characterization of compound semiconducting lead based chalcogenide thin films for photovoltaic applications- K C Preetha                 |
|                    | Structural and morphological studies on nanocrystalline semiconducting oxides for the fabrication of Dye/quantum dot sensitized solar cells- K V Murali |
|                    | Preparation and characterization of tin based semiconducting thin films- A J Ragina   |
|                    | Studies on Zinc chalcogenide thin films prepared using chemical methods- K Deepa  |

|                   |   |
|-------------------|---|
|                   | Photo assisted synthesis and carrier transport properties of compound semiconducting thin films for various applications-<br>A C Dhanya |
| Dr.K.Pradeepkumar | Hydrazine based heterocyclic ligands and their metal complexes-<br>Prasanna M.K.  |

**3.4.4 Provide details (if any) of \*recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally** Nil

**\*incentives given to faculty for receiving state, national and international recognitions for research contributions** Nil

### 3.5 Consultancy

#### 3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

Considering the significance of institute-industry interface in the present days of global economic situation, efforts are made by the college to provide maximum exposure to the students.

- While undertaking project work as part of their curriculum, students of Chemistry, Commerce and English disciplines are encouraged to visit industries and to prepare project report based on their experience and on the basis of information collected from the industries.
- Industry visit and interaction is a component of field visit conducted by Chemistry and Commerce students as a part of their syllabus.
- The Entrepreneurship Development Club of the college organizes visits to industries, namely, Tea industry in Wayanad, Industrial estates in Palayad, Industries in Kuthuparamba which gives an exposure to the students and helps them to understand the practical aspects of managerial functions of industries. Also the students get oriented on the manufacturing process involved in different products. It also helps them to interact with successful entrepreneurs in the State.

#### 3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

- The institution realizes its role in the development of the society. So it promotes extension of the services to the society through consultancy.
- The expertise of our faculty is advocated mainly through our students.
- The available expertise is publicized mainly through the college web site.
- The seminars, conferences and workshops attended and organized by the faculty also advocate and publicize our expertise.

#### 3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

- The institution encourages the faculty members to provide expertise for the benefit of students outside the college and/or the community.
- The faculties are permitted to use the facilities in the institution for their consultancy services.
- Duty leave is accorded to the faculty for engaging seminar/conference/workshop off the campus.

### 3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

Being a Government aided institution; the service cannot be implemented on a financial basis. The Institution encourages faculty members to offer voluntary consultancy services. In general, faculty members of various Departments offer consultancy services in the following areas:

- Designing syllabus of various Institutions/ Universities
- Setting question papers for examinations of various Institutions/ Universities
- As resource persons in various academic activities.

**Consultancy services provided by different departments are given below:**

**Table 3.23** Consultancy services provided by different departments

| Department  | Consultancy Service   | Beneficiary   |
|-------------|---|---|
| Physics     | Guidance in Material Science (Experimental)   | MSc. students of various colleges and PhD students of Kannur University |
|             | Guidance in Nuclear Physics (Theoretical)   | MSc. students of various colleges.                                      |
|             | Setting question papers   | Other Universities  |
| Chemistry   | Guidance in Coordination Chemistry  | MSc. students of various colleges.                                      |
|             | Guidance in Nano Chemistry  | MSc. students of various colleges.                                      |
|             | Guidance in Water quality analysis  | M Sc students of various colleges.                                      |
|             | Member, Governing Council, Science Park, Kannur   | Public  |
| Mathematics | Resource person for seminar and orientation classes for Mathematics teachers  | Students and teachers   |
|             | Setting question papers   | Other Universities  |
| Zoology     | Apiculture, Aquaculture and Vermin composting   | Students and their parents  |
|             | Setting question papers   | Other Universities  |
|             | Resource person in seminar and teacher training programmes  | Students and teachers   |
|             | Talk in All India Radio   | Public  |
| Botany      | Mushroom Cultivation  | Public  |
| History     | Documentation of local history  | Public  |
| Commerce    | Chairperson and Adjudicator of PhD Thesis in various Universities   | University  |
|             | Subject expert in the selection Committee for promotion/placement   | University  |
|             | Member of the Inspection commission to verify the facilities for granting affiliation to B Com and MCom course in self financing colleges | University  |
|             | Resource person in a National Seminar   | Other colleges  |
|             | Research methodology orientation  | Students of unaided colleges under Kannur University.                   |

|                       |   |  |
|-----------------------|---|--|
|                       | Personal Income tax calculation                                     | Teachers of High School/Higher secondary schools and colleges. |
|                       | Setting question papers   | Other Universities   |
| English               | Resource person<br>Kerala Literacy Mission                          | The State  |
|                       | Resource Person –UGC HRD  | UGC  |
|                       | Member Sub-committee for<br>Amending University Ordinance           | University   |
|                       | Resource Person-ASAP  | Students   |
|                       | Resource Person-AIR   | Public   |
|                       | Yoga Trainer  | Public   |
| Hindi                 | Translation   | Publishers   |
|                       | Resource person for seminar and<br>orientation classes for students | Students   |
| Malayalam             | Lecture demonstration in classical<br>dance and performance         | Public   |
|                       | Talk in All India Radio   | Public   |
|                       | Indian aesthetics   | Public   |
| Physical<br>Education | Physical training   | For Military, Paramilitary and<br>Police force aspirants       |
|                       | Aerobics training   | Public   |
|                       | Coaching in various games   | School students  |
|                       | Counselling for players in pre-<br>competitive anxiety              | Sports persons   |

### 3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

As a part of social responsibility the faculty members of the college provide their expertise to the academic community and to the society free of cost. If at all any remuneration is offered by the beneficiary, the amount is utilized for the development of the department.

## 3.6 Extension Activities and Institutional Social Responsibility (ISR)

### 3.6.1 How does the institution promote institution-neighbourhood community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

- The Institution promotes the participation of students and faculty in extension activities through the functioning of NCC, NSS, Department Association and different Clubs and forums like Blood Donors Forum, Books Club, Entrepreneurship Club and Nature Club etc.
- All these Clubs and Forums are introduced to the freshers during the Orientation Programme and are motivated to be active members of them.

### 3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

The college is keen to impart value education and to train them to take up responsibilities that transform students into socially committed citizens. Students are given opportunities to involve in socially relevant activities, by enrolling them in NSS units, NCC and various clubs and forums.

- NCC, NSS and Club/Forum activities are coordinated by NCC Officer, NSS Programme Officer and Club/Forum Conveners respectively.
- The conveners of Clubs/Associations, NCC Officer and NSS Programme Officer submit their end semester and Annual Reports to be included in the College Annual Report.
- The college organizes seminars or debates on socially relevant issues, pitfalls of internet and cyber crimes with a view to make them aware and to be cautious about abuses.
- Students are encouraged to participate in inter collegiate colloquium competition with a view to improve their skill and knowledge in terms of preparation of research papers.
- Various Departments in the college undertake extension activities through conducting surveys involving students.
- The college student's union activities play a significant role in promoting good citizenship in students.

### **3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?**

With due consideration to the Vision and Mission, the college is keen to improve the performance considering the opinion of all stakeholders and to maintain quality in all its endeavours. The college conducts periodical meetings with Parents, Teachers and students, other well wishers and management representatives and continuous contacts are maintained between them. Constructive suggestions are sought from all these stakeholders and appropriate steps are taken to implement possible suggestions.

- IQAC of the college collects Feedback on teachers, on curriculum, on department and on institution from the students at the end of every year, using prescribed format and the results based on analysis are discussed in faculty meetings and corrective measures are taken wherever necessary.
- The suggestions of the parents are collected informally at the time of PTA meetings and appropriate actions are taken wherever possible.
- The expertise of external members who associate with IQAC is also invoked for improved performance of the college.
- Suggestion boxes are kept in the college to collect student feedback.

### **3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students**

The college encourages all departments and clubs to undertake extension and outreach programmes with the support of students, in order to involve students in socially relevant activities. A detailed plan is formulated by the IQAC of the college at the beginning of each year in this regard. The matter is then discussed in the college council meeting and all departments are directed to implement such extension activities in the respective areas of their choice. In addition, central library, department level clubs, NCC and NSS units also undertake extension activities.

Activities of different Departments are listed below:

**Table 3.24** List of activities of different departments

❖ **Department of Physics**

| Activity  | Resources /Funds |
|---|------------------|
| Organized workshop on laboratory physics for higher secondary students of various schools in and around Mattannur-demonstration of various experiments and hands on training to the students were given | PTA              |
| Conducted awareness programme on energy conservation and energy auditing was done in ward 22 of Mattannur municipality  | UGC/ PTA         |
| Organized essay writing and quiz competition for Higher Secondary students of Kannur District in connection with International Year of Light celebrations   | KSCSTE           |
| Young Physicist award to the best Physics undergraduate student under Kannur University   | Alumni           |

❖ **Department of Chemistry**

| Activity   | Resources /Funds |
|--|------------------|
| Exhibition in connection with National Science Day Celebration | KSCSTE           |
| Water quality analysis in Mattannur Municipal Wards 27 and 30. | PTA              |
| Quiz and poster competition for college students               | KSCSTE           |
| Power point and poster competition for college students        | KSCSTE           |

❖ **Department of Mathematics**

| Activity                       | Resources/Funds               |
|--------------------------------|-------------------------------|
| Mathematics Talent Search Test | Mathematics Department Alumni |
| Mathematics Exhibition         | UGC/PTA                       |

❖ **Department of Zoology**

| Activity  | Resources/Funds                 |
|---|---------------------------------|
| Blood Grouping and Blood Donors Directory formation   | Dept. fund                      |
| Campus Biodiversity Register  | Kerala State Biodiversity Board |
| Cancer Awareness Programme  | Dept. fund                      |
| National Environment Awareness Campaign   | MoEF, Govt. of India            |
| Hands-on training in Organic Farming and Vermin composting and Apiculture in association with Kerala Agricultural Department and Khadi and Village Industries, Kannur.  | UGC                             |
| Final year students conduct awareness classes in the L.P. and U.P. schools of Mattannur Municipal area on “Faunal Diversity”, in connection with Wildlife Week, 2015  | Dept. fund                      |
| Urja Kiran: “Save Energy” rallies, energy audit survey and awareness classes conducted in Mattannur Municipal ward and Malur Gramapanchayat ward of Mattannur Legislative Assembly and Pathiriyad of Dharmadam Legislative Assembly | MoEF and CED                    |

❖ **Department of Commerce**

| Activity | Resources/Funds |
|----------|-----------------|
|----------|-----------------|



|   |   |
|---|---|
| Work shop on Research methodology       | Dept. fund and registration fee from participants |
| Survey on financial inclusion           | PTA   |
| Inter collegiate colloquium competition | PTA and department fund                           |
| Inter collegiate Quiz competition       | Dept. fund  |
| Commerce exhibition INSIGNIA -2016      | PTA and Alumni fund                               |

❖ **Department of History**

| Activity   | Resources/Funds   |
|--|-------------------|
| In association with Mattannur Municipality documentation programme undertaken to write the local history of Mattannur  | Municipality fund |
| Pazhassi Smrithi Yathra organized to experience the real life situations in connection with martyrdom of Pazhassi Raja | Dept. Fund        |

❖ **Department of Economics**

| Activity   | Resources/Funds |
|--|-----------------|
| Visited Sachidananda Balabhawan and interacted with the inmates                                | Dept. fund      |
| Women Empowerment Programme' - Legal Literacy to Kudumbasree members of Mattannur municipality | PTA             |

❖ **Department of English**

| Activity   | Resources/Funds |
|--|-----------------|
| Organized a workshop on Techniques of Teaching English for school teachers.  | UGC             |
| The final year students of the department conducted classes on communicative skills for students of the Mattannur U.P School | Dept. Fund      |
| ASAP training programme conducted  | Govt. Fund      |

❖ **Department of Hindi**

| Activity  | Resources/Funds   |
|---|-------------------|
| Spoken Hindi classes to the inmates of Sachidananda Balabhawan                                    | Dept. fund.       |
| Hindi Exhibition showcasing different quotations and good words (sookti) written by Hindi writers | UGC and PTA fund. |
| Folklore exhibition in collaboration with Department of History.                                  | Dept. fund        |
| Ramayan Month celebration and exhibition for school students.                                     | Dept. fund        |
| Hindi 'Pakshacharan' (September 14 to 28) every year  | Dept. fund        |
| Participated in National Level Exhibition at Kasargod in connection with Perumkaliyattam.         | Dept. fund        |

❖ **Department of Malayalam**

| Activity  | Resources/Funds |
|---|-----------------|
| Orientation on Malayalam language pedagogy and intimation of Kerala Dance Performance at Mahadeva Hall, Mattannur | UGC             |
| Conducted lecture-demonstrations of classical dance forms at various institutions                                 | ---             |

❖ Department of Physical Education

| Activity   | Resources/Funds |
|--|-----------------|
| Biofeedback training programme to control competitive state anxiety and to build self confidence | UGC             |

❖ NSS

| Activity   | Resources/Funds |
|--|-----------------|
| Cancer survey training for the volunteers in connection with “Sanjeevani Cancer Detection Programme” conducted by Mattannur Municipality, Mini Arts and Sports Club and Malabar Cancer Centre.             | University fund |
| Pain & Palliative care programmes. The volunteers donated a wheel chair to a bedridden senior citizen.   |                 |
| Joined with the mass drug administration programme of State Health Department for the eradication of filariasis and polio.   |                 |
| Anti-tobacco march conducted with the support of State Health Department.  |                 |
| Health survey at Panichery and Devarkad wards during ‘Manava Karunya Yathra’ organized by Kidney Foundation of India. Free kidney defect detection and eye care camp were also organized during the event. |                 |
| Constructed and donated three houses under the scheme, ‘Sahapadikkoru Veedu’ to Mr. Kabeer, Mr. Santhosh and Smt. Preena.  |                 |

❖ NCC

| Activity         | Resources/Funds |
|------------------|-----------------|
| Cycle expedition | Govt. Fund      |

❖ Vanithavedi

| Activity  | Resources/Funds |
|---|-----------------|
| Free tailoring classes given to women in the adopted SC/ST colony by NSS and Vanithavedi. | Own fund        |
| Cancer detection camp organized for the public.   |                 |
| Donation of blankets and sweets to an orphanage.  |                 |

❖ College Central Library

| Activity   | Resources/Funds  |
|--|------------------|
| ILL(Inter Library Loan ) facility with Mattannur Municipal Library | No fund required |
| Voice donation to vision impaired students                         | --               |

**Budgetary details of NCC and NSS:**

**Table 3.25** Budgetary details of NCC and NSS

| Organizations |                       | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17  |
|---------------|-----------------------|---------|---------|---------|---------|---------|----------|
| NSS           | Regular Activity      | 45,000  | 45,000  | 45,000  | 45,000  | 45,000  | 45,000   |
|               | Special Camp          | 45,000  | 45,000  | 45,000  | 45,000  | 45,000  | 45,000   |
| NCC           | Refreshment allowance | 19584   | 51264   | 129600  | 130000  | 125000  | 1,35,000 |
|               | Washing allowance     | 5000    | 5000    | 4500    | 5000    | 5000    | 6440     |

**Outcome of the programme**

These extension and outreach programmes in diverse areas undertaken by the college could create a positive impact in the students.

- Attitudinal change is evident among the students who actively involved in surveys.
- A sense of responsibility is demonstrated by the students when they are entrusted with a specific task.
- Students could achieve improvement in organizing ability, team spirit and leadership quality which is apparent from their deeds.

**3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International agencies?**

The college provides an orientation to the newly appointed teachers and to the first year degree and PG students to familiarize them with the facilities and opportunities available to them in the college. IQAC of the college takes the initiative to conduct the orientation programme. All departments are allotted with a specified amount from the PTA fund to meet the expenditure incurred for the extension activities. Specific actions in this regard are:

- Students are encouraged to enrol in NSS and NCC when they are admitted to first year degree programme, on a particular day which is decided at the beginning of the year as mentioned in the teachers diary.
- The charge of NSS units and NCC unit are assigned to the faculty members on rotation basis.
- Institution provides required infrastructure facilities and also allows the faculty to plan and execute independently.
- NSS/NCC camps are organized without hindering the academic schedule.
- Certificates of merit are issued to the students who participate in NSS and NCC programmes and they are eligible for grace marks in the University examination.
- Grace marks are allowed to the students participated in NCC and NSS programmes while they are admitted to degree and PG courses.
- The performance of students and teachers are recognized by the University by providing rewards/awards for outstanding performance.

**3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?**

The institution has an efficient tutorial system, where the teacher in charge of every class simultaneously acts as a tutor, mentor and counsellor. Every first semester student has to submit a data sheet filled with all his/her whereabouts which includes their parent's education, occupation, annual income etc. The tutor prepare the socio-economic status of students which itself reveal the underprivileged and vulnerable among the student community. Deserving students are given supports like Student Support System (provide food, cloth and books as per their requirements), arrangements for government scholarships and support from NSS like "Home for a homeless classmate" etc.

**3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.**

The college undertakes varied extension activities and NSS and NCC programmes, for the overall development of students. By involving in extension activities and by working with

NCC and NSS, the students get an opportunity to learn social and ethical values in addition to learning. They could improve leadership skill, team spirit and harmony while involving in group work. A sense of sympathy and empathy towards less privileged class of people could be developed. Awareness about social issues could also be attained by the students.

### **3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?**

Outreach Programmes organized by the college can be categorized into two: a) Educational Programmes for the dissemination of knowledge to students of neighbourhood schools and general public by using the human resources available in the College and b) Social Service Programmes for improving the living conditions of the socially marginalized sections of the society and for motivating and inspiring them to improve themselves.

#### **Social Service Programmes:**

- Construction and repair of houses under the scheme ‘A Home for a Classmate’ by NSS.
- Cleaning programmes in Mattannur municipality by NSS unit expressing solidarity with Swach Bharath mission and Harithakeralam mission
- Cancer detection camp for the public by “VanithaVedi”, a common platform for lady faculty members.
- Medical camps and blood donation programmes by NCC, NSS, college student’s union and other clubs and forums.
- Organ donation programmes by college student’s union and NSS.
- Free tailoring classes to women in the adopted SC/ST colony by NSS and Vanithavedi.
- Visits to old age homes and orphanages by members of departmental clubs, NCC cadets, NSS volunteers and members of VanithaVedi.
- Donation of blankets and sweets to an orphanage by Vanithavedi of the institution.
- “SWAP SHOP” by the college at Mattannur for the public.
- Plastic eradication initiatives led by NCC, NSS and nature club in collaboration with Mattannur Municipality.

#### **Educational Programmes:**

##### **Department of Physics**

- Workshop on Laboratory Physics for higher secondary students in Municipality.
- Energy audit in Mattannur Municipality.
- Young Physicist award – intercollegiate programme

##### **Department of Zoology**

- Workshop for parents in Apiculture and Vermin composting.
- Energy audit and energy conservation awareness programmes in Mattannur and Dharmadam Legislative Assembly Constituencies.
- Awareness class on “Biodiversity and Conservation”, to school students of Mattannur Municipality.

**Department of Botany** conducted a training programme in mushroom cultivation for the public.

##### **Department of Chemistry**

- Water quality analysis.
- A programme on TMF measurement of soap.

- Science exhibition for the School students and the public

**Departments of Mathematics**

- Mathematics exhibitions for the School students and the public.

**Department of History**

- Participated in a local history documentation programme in association with Mattannur Municipality
- Maintains “Pazhassi Archives”, a history museum, for the students and the public.
- “Salam India’, a presentation by students exhibited at Nirmalagiri College, Kuthuparamba

**Department of Economics**

- A ‘Women Empowerment Programme’- Legal Literacy to Kudumbasree members of Mattannur municipality.

**Department of Commerce**

- Workshop on Entrepreneurial Development Programme for Kudumbasree members in Mattannur Municipality
- Workshop on Personal Income Tax for teachers of Higher Secondary School Teachers in Kannur District
- Workshop on Research Methodology for the research scholars and teachers in Kannur District
- A survey on Financial Inclusion to identify households having no bank account in ward I of Keezhallur Panchayat with the support of Kerala Gramin Bank, Edayannur Branch
- A commerce exhibition, “ INSIGNIA” conducted for the students of colleges under Kannur University and students of Higher Secondary Schools in Kannur District

**Department of English**

- A workshop on Techniques of Teaching English for school teachers. The teaching faculty of the department imparted knowledge about the new trends in the teaching learning process of English language to high school teachers of the locality.
- Classes on communicative skills for students of the Mattannur U.P School by the final year students of the department
- Twenty one Day Residential Training Camp as part of the Additional Skill Acquisition Programme of the Higher Education Department in 2013 and 2014. The teachers of the department who were trained as master trainers handled the classes in Communicative skills. The Head of the Department of English was the coordinator of the programme.

**Department of Hindi**

- An exhibition at Cheruvathur in connection with Perumkaliyattam
- A Folklore and Ramayana exhibition for school students and community.
- Spoken Hindi classes to the inmates of Sachidananda Balabhawan

**Department of Malayalam**

- The Malayalam Language Pedagogy and Intimation of Kerala Dance Performance in association with Vidhyarangam Kala Sahithyavedi Mattannur
- Classical dance demonstration classes to public and students

**Department of Physical Education**

- Free Physical training to the public for armed forces recruitment.
- Provided a psychological training programme (through biofeedback) to school students to reduce their competition anxiety.

### The Central Library

- Voice Donation to help the vision impaired persons.

### 3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

The Institution forged constructive relationships with the neighbouring educational institutions, Government Bodies and Non Governmental Organizations to work on various outreach and extension activities.

**Table 3.26 Outreach/extension activities and collaborating Institution/Agency**

| Programme   | Collaborating Institution/Agency  |
|---|---|
| Blood Donation Programme  | Blood Bank, District Hospital, Kannur and Govt. Hospital Thalassery.  |
| Training workshop for parents in Apiculture and Vermin composting | Govt. Agriculture Department  |
| Energy Audit and Awareness programmes                             | Centre for Environment and Development, Energy Management Centre, Kerala and Kerala Sastra Sahitya Parishad (NGO) |
| A survey on Financial Inclusion                                   | Kerala Gramin Bank, Edayannur Branch  |
| Additional Skill Acquisition Programme                            | Kerala State Higher Education Department  |
| Plastic Waste Management  | Mattannur Municipality  |
| Inter Library Loan facility                                       | Mattannur Municipal Library   |
| Folklore related programmes                                       | Folklore academy, Kannur  |

### 3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

The extension activities of the college are well appreciated by the people of the respective areas where activities are concentrated. Specifically the activities of NSS units of the college were recognized with awards as given below:

- Selected as Best NSS Unit of Kannur University and secured Best Unit award in 2012
- Award for Best NSS Programme Officer : Dr.Saji Kurup (Hindi Department) in 2012
- Award for Best NSS Programme Officer : Mrs.Reena ( Chemistry Department) in 2013
- Award for Best NSS Student volunteer : Mr.Sumesh in 2012
- NYLP (National Young Leaders Programme) award of Ministry of Youth Affairs and Sports, Govt. of India to the NSS unit of our institution in 2015-16.

## 3.7 Collaboration

### 3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiative - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

- Faculty members of our college make use of libraries and laboratories of reputed institutions for pursuing research.
- One faculty of the department of Commerce has participated in an International Collaborative Research, as district college coordinator for data collection with the support of M Com students for the Field Research Project on the Transnational Recruitment Industry in the Asia GCC Corridor. The study was sponsored by



International Organization for Migration and executed by IIM Ahmadabad and Marthoma College of Management & Technology, Perumbavoor.

**3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.**

The college has no formal MoUs with reputed institutions. But collaborative arrangements are made with institutions like, Central University, Sanskrit University, Zoological Survey of India, Chambers of Commerce, District Industries Centre, and other Government and aided colleges for the conduct of seminars and workshops in terms of financial and man power support. The conduct of seminar and workshop give students of the college an opportunity to nourish their learning experience.

**Table 3.27** List of MoU

| Collaborative arrangements | Institution                        |
|----------------------------|------------------------------------|
| Academic exchange          | School of Pure and Applied Physics |
| MoU                        | Al Ameen College, Ernakulam        |
| MoU                        | Govt. College, Madappally          |
| MoU                        | NAS College, Kanhangad             |
| MoU                        | MG College, Iritty                 |

Department of Physics signed an MoU with three colleges in Govt and aided sector affiliated to Calicut, Kannur and MG Universities for students exchange on research activities, for providing facilities to carry out research work and for carrying out scientific measurements.

**3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment/creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.**

The faculty members of the college regularly interact with the faculty of other institutions and Universities. This facilitates academic exchange programmes by delivering lectures for the students of other colleges by our faculty and invited lectures of faculties of other colleges for our students. Also our students get an opportunity to visit the library and laboratory of other institutions and Universities.

- IIM Calicut supplied books on Commerce, Management, Marketing and Financial Management worth free of cost to the library of Department of Commerce.
- Central Hindi Directorate, Bangalore donates books to the Library of Department of Hindi every year. In 2016, the department received books worth Rs. 74000/-
- ILL(Inter Library Loan ) facility with Mattannur Municipal Library

**3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.**

**Table 3.28** Eminent scientists/participants in national and seminars organized by various departments

| Topic  | Eminent scholars attended  |
|--|--|
| <b>Physics</b>                                     |  |
| EOSN- Emerging trends in Solar cell Nano materials | Dr K P Vijayakumar, Professor, CUSAT<br>Dr Sudha Kartha, Professor, CUSAT<br>Dr M K Jayaraj, Professor, CUSAT<br>Dr R T Rjaendra Kumar, Professor, Bharathiar University |



|   |  |
|---|--|
|   | Dr. Manjunatha Pattabhi, Professor, Mangalore University<br>Dr Elizabeth Alias, Professor N I T, Calicut<br>Dr Sony Varghese, Professor, N I T, Calicut  |
| Gravitational Waves   | Dr. P Ajith, ICTS Bangalore  |
| <b>Chemistry</b>  |  |
| Emerging Methods in Nano Technology   | Dr. Vinod Kumar Etacheri , Research Associate,Purdue University,USA<br>Dr. Renuka, University of Calicut<br>Dr. Baiju.K. Vijayan,Scientist ,C-MET, Thrissur<br>Dr. Sujith.A , NIT,Calicut<br>Mr. Sintu Mathew Iype, Biocon,Bangalore<br>Dr. Biju.A.R, Sir Syed College,Thaliparamba  |
| <b>Mathematics</b>  |  |
| Mathematical Analysis & Algebra   | Dr. Eswaran Nambudiri, Asst.Prof,Govt.College, Kasargod<br>Dr. M S Balasubramani ,Professor, Calicut University<br>Dr. T Thrivikraman ,Emeritus Prof. CUSAT<br>Dr. A R Rajan Professor, Kerala University<br>Dr. Santhosh George Associate Prof,NIT Surathkal<br>Dr. Kunhanandan M, Associate Prof ,Goa University<br>Dr. Kuncham Syamprasad, Assistant Prof ,MIT Manipal<br>Dr Kedukkodi Babu Srinivas, Assistant Prof, MIT Manipal |
| <b>Zoology</b>  |  |
| Faunal Diversity of Kerala  | Dr. P.S. Easa, Director, Kerala Forest Research Institute<br>Dr. P.M. Sureshan, Director in charge, ZSI, Kozhikode<br>Dr. K. Rajmohana, Scientist, ZSI, Kozhikode<br>Dr. Aravind N.A, Scientist, ATREE, Bangalore<br>Dr. Muhamed Jaffer Palot, ZSI, Kozhikode<br>Dr. P. Pramod, Scientist, SACON.  |
| <b>Economics</b>  |  |
| Poverty and Social Exclusion in India-Need for a Policy Framework Towards Inclusive Development | Dr Venkatesh B Athreya,(Eminent Economist)<br>Dr S Harikumar, Department of Applied Economics, CUSAT<br>Sri T P Kunhikannan, Professor, Malayalam University, Tirur<br>Dr Syam Prasad,Central University of Kerala   |
| <b>Commerce</b>   |  |
| Indian Capital Market in the Globalised Scenario  | Dr. Francis Cherunilam, Director, SMS, CUSAT<br>Dr. V.K. Viyayakumar, Investment Strategist, Geojith Paribas<br>Dr. T.Asokan, PVC, Kannur University<br>Dr.Mallikarjunappa, Professor, Dept. Of Business Administration, Mangalore University  |
| <b>Hindi</b>  |  |

|  |  |
|--|--|
| Different Aspects of Contemporary Hindi Literature | Dr. Rajam, Prof.of Mumbai University<br>Dr. Prameela of Sanskrit University<br>Dr. Pramod Kovvuprath of Calicut University<br>Dr. Vanaja of CUSAT<br>Dr. Devaki of CUSAT<br>Dr, Raju Narayan of Dakshin Bharat Prachar Sabha<br>Dr. Sunita of Dharwad University |
| Career and Hindi Language Learning                 | Dr. Bimalesh Tripathi, Saha Institute of Nuclear Sciences, Culcutta.<br>Dr. Jayasankar Babu of Pondichery University   |
| Different Dimensions of Modern Hindi Literature    | Dr. Uma Hegde of Kuvembu University Karnataka<br>Dr. Chandrika of Govt. College Yanam Andhra Pradesh   |
| Conference of National Hindi Poets                 | Dr. Jayasankar Babu, Pondichery University   |
| <b>College Central Library</b>                     |  |
| Current trends in organization of knowledge        | Dr. M.G. Sreekumar, IIM-Kozhikode<br>Dr. Jessie Varghese, Providence College , Coonoor<br>Dr. R. Jayachandran, M S University, Thirunelveli.   |

**3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated.**

**Table 3.29** List of activities and beneficiaries of linkages/collaborations

| No | Area  | Activities   | Collaboration  |
|----|---|--|--|
| 1  | Curriculum development/enrichment             | Curriculum and syllabus designing  | Kannur University, Calicut University, M.G. University, Kerala University. |
| 2  | Internship/On-the-job training                | -  | -  |
| 3  | Summer placement                              | Career oriented courses  | ASAP of Higher Education Department  |
| 4  | Faculty exchange and professional development | -  | -  |
| 5  | Research                                      | Research and development in Physics, Chemistry and Commerce(Ph.D. programme) | Faculty of various colleges  |
| 6  | Consultancy                                   | Research guidance, Resource persons, setting question papers, translation    | Research scholars, Universities  |
| 7  | Extension                                     | Village adoption, Health services  | Tribal colony, Govt, Hospital  |
| 8  | Publication                                   | Research publications  | Researchers of other   |

|    |                             |   |   |
|----|-----------------------------|---|---|
|    |                             |   | institutions                                |
| 9  | Student Placement           | Recruitment                               | Various agencies                            |
| 10 | Twinning programmes         | Nil                                       |   |
| 11 | Introduction of new courses | B.Sc. Plant Science and M.Sc. Mathematics | --  |
| 12 | Student exchange            | M.Sc. projects                            | Various colleges and University departments |
| 13 | Any other                   | -   | -   |

### 3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.

- The institution is trying to establish more external linkages to form formal MoUs.
- Experts from other institutions are invited to interact with the academic community of the College.
- The IQAC recommends faculty to attend seminars/workshops organized by other institutions with which collaborations are possible in the future.
- The college encourages extension of service of the faculty to other institutions with whom collaborations can be made.

### Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

Mattannur Municipality in association with the Department of History, organized Local History Writing Workshop and being a major programme for the current academic year it could invite public attention in the activities of the institution. The programme is a comprehensive and lengthy exercise to record the annals of the Mattannur's past. The initiative to organize such a programme came from the office bearers of the Mattannur Municipal Council. The intention of the programme is to document the past through which the present Mattannur has formed.

Special areas like agrarian sector, development of transportation, jenmi system in the region, Pazhassi Rebellion and Mattannur, British interventions in Mattannur, evolution of local bodies through the ages etc., are being elaborately interrogated as part of the local history of Mattannur. The programme was officially launched in September 2016 and around 12 meetings were held so far. The local history workshop sessions were handled by eminent historians like Prof.K.K.N.Kurup, Dr. P.J.Vincent etc. Under their instructions students were divided into ten groups and they have collected information from elders by means of field visit, interview etc. This project provided an opportunity for the students to get some exposure in academic research as well as writing. The final report of the local history will be brought out soon.

## CRITERION IV

### INFRASTRUCTURE AND LEARNING RESOURCES

#### 4.1 Physical facilities

##### 4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

- IQAC prepares Infrastructure Master Plan and submitted to the Management.
- The engineering wing of the Head Office prepares the estimate and submits before the Executive Council for approval.
- Approval is accorded on priority basis and the execution is directly by the Management, supervised by the College Development Committee.

During the last five years attempts have been made to facilitate effective teaching and learning by the enhancement of infrastructure like:

- De-asbestose old blocks with GI sheets.
- Construction of 9 classrooms to accommodate the newly started programmes
- Construction of Ladies hostel completed and started functioning.
- Construction of more number of lady's toilets.

##### 4.1.2 Detail the facilities available for a) Curricular and co-curricular activities- classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

- **Infrastructure facilities available for Curricular and Co curricular activities**
  - 31 spacious class rooms with enough ventilation, light and fans, of which 4 are ICT enabled
  - All departments have computer systems with internet connection offered by NMEICT and LCD projector
  - Smart class room equipped with LCD projector, computer with internet connection and audio-visual aids
  - A seminar hall mounted with LCD Projector, Capacity – 200 Nos.
  - Separate staff rooms for the 12 departments with computers and internet facility
  - Laboratories in all science departments
  - Research laboratories in Departments of Physics and Chemistry
  - Department Library and reading room in PG Department of Commerce and reading spaces in all other departments
  - Museum in Department of Zoology
  - Pazhassi Archives in the Department of History
  - College Computer Centre with 24 systems with internet and power back up
  - College Central Library
  - IQAC room with internet facility
  - Butterfly Garden
  - Medicinal Plants Garden
  - Mango Germplasm
  - Co operative store
  - Career and Counselling Centre
  - Ladies and Men's Hostel
  - Post Office

- **Infrastructure facilities available for extra - curricular activities**
  - Room for Collge Students Union
  - NCC Room
  - NSS Room
  - Two girl's waiting rooms with attached toilets
  - Health Centre
  - Auditorium with 200 chairs and audio-visual facilities
  - Open air auditorium with stage
  - College Canteen
  - Volleyball sports hostel aided by Kerala State Sports Council
  - Cricket, football, volley ball, basketball softball, handball and Kho-Kho courts
  - Facilities for chess and caroms
  - 200 meters track
  - 12 station multipurpose gymnasium

**4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years. (Enclose the Master Plan of the Institution/ campus and indicate the existing physical infrastructure and the future planned expansions if any).**

The college has augmented its infrastructure to keep pace with academic advancement and institutional growth. The college management is the authority to make construction and renovations on the campus in accordance with the decision taken by the Executive Council of NSS. Some of the facilities developed by the college during the last four years are mentioned below.

- Constructed nine new class rooms to accommodate the students of newly introduced courses M Sc Mathematics and B Sc Plant Science.
- Construction of six new ladies toilets
- Steel grill fitted at the entrance
- Seminar hall constructed in the first floor of administrative block with audio video facilities.
- Two Rainwater harvest tanks (each with 1 Lakh litter capacity) constructed with UGC fund to meet the water scarcity during summer season.
- One smart class room has been set to run classes for ASAP foundation course and other important ICT teaching learning requirements.
- A cabin for security person has been constructed adjacent to main gate.
- A handball and Kho-Kho courts were constructed adjacent to the main playground.
- A vermin compost tank was implemented by the Department of Zoology for organic waste management.
- Replaced all asbestos sheets with GI sheets and most of the class rooms are protected from heat with false ceiling.
- A diesel generator of 50 KVA has been installed to meet the requirements of the college
- Special ramps have been made for the differently abled students in the main part of the building.
- The laboratories are upgraded by procuring additional instruments
- Installation of safe and cool drinking water units in all blocks

- LCD Projector is installed in seminar halls, smart classrooms, PG classes and in science laboratories.

**Table 4.1** Details of the facilities developed and the amount spend for infrastructure development during last 5 years.

| Facility  | Funding Agency   | Amount Rs. |
|---|------------------|------------|
| Class rooms   | Management       | 39,20,000  |
| Toilet & Grill at the entrance  | PTA & Management | 1,28,000   |
| Rain water harvesting Tank  | UGC              | 10,00,000  |
| Smart class room  | PTA & UGC        | 600000     |
| Security' cabin   | PTA              | 35,000     |
| Handball court  | PTA              | 25,000     |
| Vermin compost plant  | CED, MoEF        | 30,000     |
| New Roofing   | Management       | 77,36,397  |
| Diesel Generator  | UGC              | 5,00,000   |
| False ceiling   | Management       | 4,65,923   |
| Special ramps   | Management       |            |
| Extension of three storied building of the new block                                | Management       | 39,20,000  |
| Repair of water pump  | Management       | 14,073     |
| Various renovation works including replacement of old asbestos sheet and truss work | Management       | 77,36,397  |
| Installation of CT metal panel, distribution system and additional security deposit | Management       | 92,301     |
| Electrification of class rooms in office block                                      | Management       | 4,06,370   |
| Reconstruction of damaged compound wall of ladies hostel                            | Management       | 79,000     |
| Various renovation works including new ladies toilets and grills at the entrance    | Management       | 1,28,000   |
| False ceiling of 12 class rooms   | Management       | 4,65,923   |

Apart from the routine activities, the college also makes efficient use of its infrastructure by sparing its space for other purposes like:

- Class rooms for the conduct of PSC Examinations, University and Distance Education Examinations
  - Play ground for local cricket and foot ball matches
  - NCC Camps
- (Master Plan of the college is attached as Annexure)

#### 4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

Now we have only two physically challenged students in our college. The institution is aware of the special needs of such students. Special ramp has been made for the differently abled students in administrative block. We also provide the assistance of scribe during University examinations. The institution is ready to provide facilities, if more students are enrolled.

**4.1.5 Give details on the residential facility and various provisions available within the College: Hostel Facility, Recreational facilities, gymnasium etc, Computer facility including access to internet in hostel, Facilities for medical emergencies, Library facility in the hostels, Internet and Wi-Fi facility, Recreational facility - common room with audio-visual equipments, Available residential facility for the staff and occupancy, Constant supply of safe drinking water, Security.**

- **Hostel Facility:** Men's Hostel and Ladies hostel are available in the college campus. The details are given below.

**Table 4.2** Facilities available in Men's and Ladies hostel

| Type           | No. of Rooms | Capacity | Occupancy | Facilities   |
|----------------|--------------|----------|-----------|--|
| Men's Hostel   | 46           | 100      | 35        | <ul style="list-style-type: none"> <li>• Reading room</li> <li>• Multi gymnasium</li> <li>• Shuttle court</li> <li>• Cable TV</li> <li>• News paper</li> </ul> |
| Women's Hostel | 23           | 46       | 46        | <ul style="list-style-type: none"> <li>• Visitors room</li> <li>• Mess hall</li> <li>• Reading room</li> <li>• News paper</li> </ul>                           |

- **Recreational facilities, gymnasium, yoga centre, etc.:** A 12 station multi gymnasium is installed in the men's hostel. Yoga and aerobic training is conducted in the auditorium.
- **Computer facility including access to internet in hostel:** The college hostel doesn't have separate computer and internet facility. Since the hostel is located very near to the campus, the inmates make use the college computer lab for various purposes.
- **Internet and Wi-Fi facility:** There is no Wi-Fi facility in the hostel. Internet is provided with computer centre.
- **Facilities for medical emergencies:** Medical facility has been made available in the health centre. During emergencies we approach nearest hospital for medical aid.
- **Library facility in the hostels:** Hostel doesn't have separate library. We provide newspaper for inmates.
- **Available residential facility for the staff and occupancy:** There is no separate residential facility for the staff. They are permitted to occupy the hostels.
- **Constant supply of safe drinking water:** The college has its own system of water supply to the whole establishment including college, hostels and canteen. The college has built two separate rainwater harvesting tank each having 1 lakh litre capacity to use in emergency. The college maintains a pond and a well nearby to pump water for daily use. Water purifiers are installed in every block for drinking water.
- **Security:** The college has round the clock security in the campus including its hostels. A security's cabin has constructed near the college gate. Principals cabin, office room, veranda and office entrance are under CCTV surveillance.

**4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?**

The college gives great importance to the physical and mental well being of its staff and students. Provisions made available for health care are:



- Health centre.
- First aid facility in Women's cell and some departments.
- Water purifiers for safe drinking water.
- Yoga and aerobic training for students and staff.
- NSS, NCC and various departments organise blood group detection/donation camp.
- Health awareness programmes conducted by Department of Zoology and NSS.
- Free eye and kidney disease detection camps conducted by NSS.
- Cancer detection camp conducted by Vanithavedi for the public.

**4.1.7 Give details of the Common Facilities available on the campus –spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.**

All the above mentioned units are actively working in the college. Separate rooms are arranged for most of the units and some of the units are attached to departments of the concerned coordinator. The details of such facilities are as follows.

- **IQAC:** A well furnished IQAC room with computer, printer, internet and mounted LCD Projector for meetings and digital presentations.
- **Grievance Redressal Cell:** No separate room is allotted. They use seminar hall or student's union room on requirement.
- **Women's Cell:** A room with a cot and first aid facility is provided.
- **Counselling and Career Guidance & Placement Unit:** Career guidance cell has separate room and placement cell also functions there.
- **Health Centre:** College health centre is attached with the Department of Physical Education
- **Canteen:** A well furnished and spacious canteen with separate space for students and staff.
- **Recreational spaces for staff and students:** There is no separate space earmarked for recreational activities.
- **Safe drinking water facility:** The College maintains one big pond and a nearby well for pumping water for daily use. Water purifiers are also provided in all blocks for drinking water. Two Rainwater harvesting tanks each with 1Lakh litter capacity is functioning in the campus.
- **Auditorium:** An indoor auditorium with 200 sitting capacity and an open air auditorium are in the campus to host various programmes.

**4.2. Library as a learning resource**

**4.2.1 Does the library have an advisory committee? Specify the composition of the committee. What significant initiatives have been taken by the committee to render the library student/user friendly?**

Yes. There is a library advisory committee (LAC) in our college which consists of eight members, Principal as the Chairman and Librarian as the Secretary. The other five members are the heads from various departments. The Committee reconstitutes every year on rotation basis. One student representative is nominated by the Principal. LAC serves as a monitoring body by giving proper direction timely on library matters to improve the existing facilities

and services offered from the library. LAC takes decisions on all matters including procurement of books and journals, budget proposal, analysing the feedback given by the teachers, students and staff etc. Some of the most important decisions taken by LAC are given here.

**Significant initiatives implemented by the committee are as follows:**

- Initiatives to develop department libraries by providing more collections from the central library.
- Increased the number of books that can be taken by students at a time.
  - I DC -1 to 2 books
  - III DC-2 to 3 books
  - PG-5 to 8 books
- Organise internal book exhibitions to introduce new books and promote reading habits among students.
- Steps taken to conduct different competitions like elocution, essay writing etc to develop talents of students.
- “Semester wise Series Quiz programme” started under “Book Club” as a more effective method for imparting current information
- Library changed its closing time from 5.00 pm to 5.30 pm for the convenience of students especially hostel inmates.
- Decided to give wide awareness among students on how to use N-LIST and other electronic resources.
- To start giving book binding training for students and offered remuneration for their work to the library as a savings bank deposit at college post office.
- To start certificate course on computer hardware maintenance & networking for students those who interested in computer related courses and plan to equip them as a team for giving timely service to the system requirements of the college.
- To launch Inter Library Loan system in the Central Library of the college in association with Municipal library, Mattannur.
- To conduct a socio-economic survey among SC/ST students to understand the challenges they face that can adversely affect their education and to move towards the formation of “SC/ST Development Cell”
- Set up an “Inspirational books’ collection” in the library to motivate students to frame their aim and attain them through hard work and firm determination. Apart from that it would help students to fix their goal through value based thinking and approach and become good human being and committed citizens to the society and the mother country.
- Purchase of resources for coaching for entry in services.

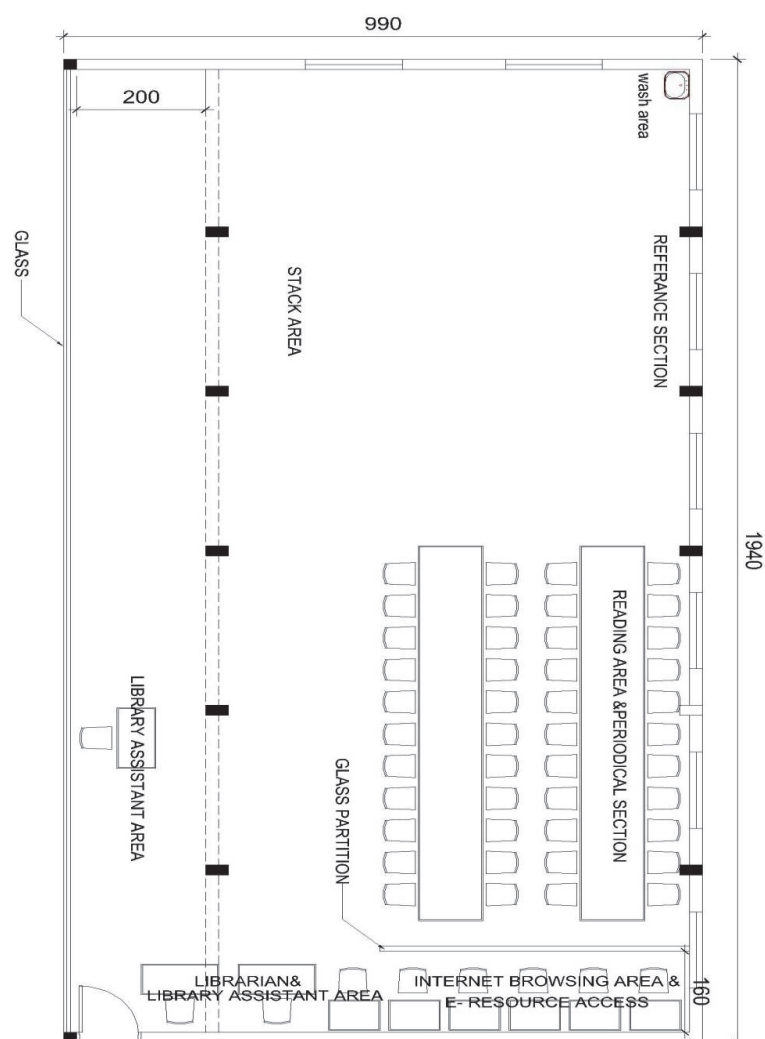
**4.2.2 Provide details of the following**

**Table 4.3 Details of Library**

|  |                                    |                       |
|--|------------------------------------|-----------------------|
| Area of the library                          | Reference & Stack                  | 138.24 m <sup>2</sup> |
|  | Reading                            | 38.40 m <sup>2</sup>  |
|  | Browsing area                      | 8.0 m <sup>2</sup>    |
| Total seating Capacity                       | 40                                 |                       |
| Working days of the library                  | 6 days a week (Monday to Saturday) |                       |
| Working hours of the library on working days | 9.00 am to 5.30 pm                 |                       |
| Before examination days                      | Normal working hours               |                       |

|                         |                      |
|-------------------------|----------------------|
| During examination days | Normal working hours |
| During Vacation         | Normal working hours |
| During holidays         | Closed               |

### Layout of the Library:



#### 4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

Based on the suggestions and feedbacks received from the teachers, students and staff, we compile a detailed list of books and journals and is submitted to the purchase committee after the sanction of LAC. Funds from UGC, Government, PTA and Management are used for purchase.

**Table 4.4** Estimated amounts spend for the purchase of books, journals, e-resources etc. for the last five years.

| Item                   | 2011-12 |        | 2012-13 |        | 2013-14 |        |
|------------------------|---------|--------|---------|--------|---------|--------|
|                        | No.     | *TC    | No.     | *TC    | No.     | *TC    |
| Books                  | 1505    | 351623 | 888     | 152894 | 727     | 266324 |
| Journals/Periodicals   | 26      | 20943  | 23      | 22176  | 18      | 13747  |
| Any other (Newspapers) | 7       | 9617   | 7       | 10288  | 7       | 10926  |

| Item                   | 2014-15  |        | 2015-16 |        |
|------------------------|--|--------|---------|--------|
|                        | No.  | *TC    | No.     | *TC    |
| Books                  | 776  | 204599 | 572     | 187843 |
| Journals/Periodicals   | 19   | 19119  | 14      | 8425   |
| Any other (Newspapers) | 7  | 14440  | 7       | 13884  |
| E-resources            | More than 6000 e-journals, 135000 e-books (N-LIST) |        |         |        |

\*TC-Total Cost

#### 4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- **OPAC:** Available
- **Electronic Resource Management Package for e-journals:** N-LIST-Available
- **Federated searching tools to search articles in multiple databases:** Not available
- **Library website:** Provide links to the pages which are specially allocated for library from the home page of the college website.
- **In-house/remote access to e-publications:** Available
- **Library Automation:** The College has a fully computerised central library besides its department libraries to cater the needs of students of various disciplines, faculties and non-teaching staff. Latest version of Library automation software - Grandha softis installed in two systems with barcode reader facility that makes circulation procedures easy and time saving. The major features offered by the software are as follows:
  - Issue
  - Return
  - Renewal
  - Reservation
  - Over dues calculation
  - User search
  - Accessioning-books
  - Classification
  - Cataloguing
  - Report generation
  - Gate register etc
- **Total number of computers for public access:** 5
- **Total number of printers for public access:** 1
- **Internet bandwidth/speed:** BSNL Broad band connection: 512KBps.

- **Institutional Repository/Digital Library:** Not available at present. A detailed proposal for digital library with hardware requirements and estimate is submitted to the authorities for consideration.
- **Content management system for e-learning:** Not available
- **Participation in resource sharing networks/consortia (like INFLIBNET):** Yes, N-LIST of INFLIBNET, National Digital Library of India of MHRD

#### 4.2.5 Provide details on the following items:

- **Average number of walk-ins:** 1560 (per month)
- **Average number of books issued/returned:** 35/ 32
- **Ratio of library books to students enrolled:** 24:1
- **Average number of books added during last three years :** 692
- **Average number of login to OPAC:** Not available
- **Average number of login to e-resources (N-LIST):** Not available.
- **Average number of e-resources downloaded/printed:** Not available
- **Number of Information literary trainings organized:**
  - Conducted Financial Literacy classes-2 (for both students and public).
  - Arrange orientation programmes for fresher's occasionally in the central library itself.
- **Details of "weeding out" of books and other materials:** A list of 698 damaged books has sent to the management for seeking permission to weed out.

#### 4.2.6 Give details of the specialized services provided by the library

Circulation of books, reference service, Inter Library Loan, Current Awareness Service, display of important information, browsing facility, e-resource access, reprography, printing etc are the major services offered from the library. Some special services we provide on specific request like document delivery from other institutions, reading service for visually challenged.

- **Manuscripts:** Available in the Department of History as part of Pazhassi archives.
- **Reference:** We have a good collection of references like Encyclopaedias, Dictionaries, Yearbooks, Competitive examination books like UGC-NET, GATE, MAT, CAT, MCA, MBA, Civil Services, Banking, Railway, Defence services etc
- **Reprography:** Available
- **ILL (Inter Library Loan service):** Available. The college Library has made an ILL agreement with Municipal Library, Mattanur to borrow 100 books from there once in three months and distribute among our students. A three tier student chain running this system in an effective way as the college union chairman as the coordinator of the programme through which he gives 10 books to each department student representatives and these little librarians distribute books among students in their own departments. After a specific period of internal distribution, each little librarian handover his/her book to the little librarian from other department and vice versa. The College union chairman takes a leading role to run the student driven reading system successfully. He examines the issue/ return register handled by 10 little librarians every week and inform College Librarian about the current position of the system.
  - In addition to that more than 100 students acquired membership in Municipal Library also who consider reading as a passion.
  - As part of ILL co-operation with Municipal Library, we conducted several programmes within college for both students and public.

- Conducted ONV Commemoration Talk (in memory of ONV Kurup, renowned malayalam poet, won Jnanapeetam, Padmavibhooshan etc who passed away in February 2016) as part of implementing ILL phase-II
- A plan is laid down to conduct a book exhibition to familiarise newly released books by notable publishers.
- **Information Deployment and Notification:** As part of Current Awareness Services (CAS), we conduct semester-wise series quiz programme for students every week and provide enough materials to make them aware of current events. CAS is being conducted under “Book Club”. In addition to that library displays current matters and S&T innovations useful for students on each subject on the notice board.
- **Download :** Available
- **Printing:** Available
- **Reading List/Bibliography compilation:** Not available. We display recently added titles to the library on the notice board.
- **In-house/remote access to e-resources:** Available
- **User orientation and awareness:** We conduct user orientation and awareness programmes for freshers in each department as soon as they joined as members to the library. Students ask to come to the library at lunch break and utilize this time to make them aware of library resources both tangible and electronic forms, rules, special services like Document delivery service for full-text research articles, Inter Library Loan(ILL), Current Awareness Service (CAS), Book club activities etc.
- **Assistance in searching databases:** We give awareness about usage of OPAC and online resource access when they come to the library for the first time. Provide further assistance also when need arise.
- **INFLIBNET/IUC facilities:** Available (N-LIST). This facility is being provided to the students and teachers.

#### 4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college

- **Reference service**
- **Inter Library Loan**
- **Current Awareness Service**
- **Book club activities:**
  - Semester wise series quiz programme: This is conducted as part of Current Awareness Services offered from Library to make students aware of upcoming events in the country and world in all fields of knowledge.
  - Questions with answers will be displayed on the notice board immediately after the quiz programme for reference
  - Exhibited two patriotic films as part of Independence day & Republic day
- **Browsing facility and e-resource access**
- **Xerox and printing**
- **Orientation and related programmes:** Library conduct user orientation and awareness programmes for freshers in each department as soon as they joined as members to the library. In addition with this the library conducts various workshops, seminars, certificate course and other programmes.
- **Searching and locating books for users**
- **New additions alert service**

- In addition, special service given to the students and faculties for getting research articles them required. In 2016, ten articles received at a nominal rate from DELNET, New Delhi through Agricultural University, Vellanikkara and MG University, Kottayam on a request received to the central library from Head, Department of Botany.

#### **4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.**

The present location of the library is not so approachable for physically challenged users. The Library provide special services to visually challenged students in and outside the campus and public, the details are given as follows

- This is a special service given to blind students on their specific request. One of our students read nearly 1000 pages of NET exam guide book in Political science for a blind PG student from outside the campus.
- General book reading: The UGC Librarian (Central library) and an Assistant professor of the Department of Hindi are constant readers of DAISY voice donation project for blinds.

#### **4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)**

Yes. The library collects feedback from its users on yearly basis and all suggestions and comments made by the users are discussed with the LAC and on the basis of that step taken to improve existing services and facilities.

- **Mode of feedback:** There are two methods to get feedback from users.
  - **Online feedback:** This is mainly intended for students to collect their level of satisfaction about library facilities, collections, services and other related matters. Online feedback is conducted once in a year.
  - **Suggestions box:** This facility provides more freedom to scribble on any specific matters that not covered in the above questionnaire. Any stakeholders irrespective of students, faculties and staff can utilize this mode of feedback at any time.

### **4.3 I.T Infrastructure**

#### **4.3.1 Give details on the computing facility available (hardware and software) at the institution. Number of computers with Configuration (provide actual number with exact Configuration of each available system), Computer-student ratio, Stand alone facility, LAN facility, Wi-fi facility, Licensed software, Number of nodes/computers with Internet facility, any other**

**Number of computers with Configuration (provide actual number with exact configuration of each available system)**

There are 76 desktop and 7 laptop computers in the college.



**Table 4.5** Total number of Computers/Laptop with configuration available in the college

| Configuration  | No. of computers |
|--|------------------|
| Windows-8Intel Pentium core (TM)i3 2.90 GHz500 GB4GB18" LCD  | 1                |
| Windows 7Intel Pentium core (TM)i3 3.40 GHz500 GB2GB18" LCD  | 4                |
| Windows 7Intel Pentium Core 2 Duo 2.53 GHz500 GB1GB18" LCD   | 1                |
| Windows XPIntel Pentium Dual Core 2.99 GHz500 GB2GB18" LCD   | 1                |
| Windows 7Intel Pentium core (TM)i3 3.10 GHz500 GB4GB18" LCD  | 6                |
| Windows 8Intel Pentium core i3 2.90 GHz500 GB4GB18" LCD      | 1                |
| Windows-7Dual core 2.70 GHz500 GB2GB18" LCD                  | 12               |
| Windows-7Intel Pentium core i3 3.40 GHz500 GB4GB18" LCD      | 4                |
| Windows 8Intel Pentium core i3 3.60 GHz500 GB2GB18" LCD      | 1                |
| Windows 7Intel Pentium core i3 3.60 GHz300 GB1GB18" LCD      | 3                |
| Windows-7Intel Pentium 1.70 GHz300 GB4GB14" LCD              | 7                |
| Windows-7Intel Pentium 2.70 GHz300 GB2GB18" LCD              | 1                |
| Windows-7Intel Pentium core i3 3.10 GHz150 GB2GB18" LCD      | 2                |
| Windows-7Intel Pentium Dual core 3.20 GHz, 500 GB1GB18" LCD  | 7                |
| Windows-7Intel Pentium core i3 3.59 GHz500 GB1GB18" LCD      | 1                |
| Windows 7Intel Pentium Dual Core 2.93 GHz300GB2GB18" LCD     | 1                |
| Windows 8Intel Pentium G2030T 2.60 GHz500GB4GB18" LCD        | 7                |
| Windows7Intel Pentium Dual core E5800 3.20 GHz300GB2GB18"LCD | 16               |
| Windows-7Intel Pentium Dual core 2.70 GHz500GB1GB18" LCD     | 2                |
| Windows-7Intel Pentium Dual core 3.00 GHz300GB2GB18" LCD     | 2                |
| Windows-7Intel Pentium Dual core 2.70 GHz300GB2GB18" LCD     | 2                |
| Windows 7Intel Pentium core i3 3.40 GHz500 GB4GB18" LCD      | 1                |

**Computer student ratio** : 1:19

- **Stand alone facility** : 4
- **LAN facility** : LAN facility is available in our college office and computer lab. 31 systems are included in the Local Area Network.
- **Wi-Fi facility** : It is available in some of the departments.
- **Licensed Software**: Majority of our computers are loaded with licensed software.
- **Number of nodes/ computers with Internet facility**: 48

#### 4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

The College has LAN facility in office and computer lab. There are 24 systems in the computer lab. Teachers and students share this system for various purposes. All the 24 systems have internet browsing facility. The entire departments have BSNL broad band VPN connection. Some of the departments are with Wi-Fi facility.

**Table 4.6** Computer and internet facility in various Departments

| Department      | Desktop+ laptop systems | Internet connection |
|-----------------|-------------------------|---------------------|
| Computer Lab    | 21+1                    | 21                  |
| College office  | 8                       | 8                   |
| Central library | 7                       | 1                   |

|                                  |     |   |
|----------------------------------|-----|---|
| Department of Physics            | 8+2 | 4 |
| Department of Chemistry          | 3   | 1 |
| Department of Mathematics        | 6+1 | 1 |
| Department of Zoology            | 3+1 | 1 |
| Department of Botany             | 2   | 1 |
| Department of Commerce           | 5+1 | 3 |
| Department of Economics          | 3   | 1 |
| Department of History            | 2   | 1 |
| Department of English            | 2+1 | 1 |
| Department of Hindi              | 3+1 | 1 |
| Department of Malayalam          | 1   | 1 |
| Department of Physical Education | 1   | 1 |
| TOTAL                            | 83  |   |

#### 4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

The college gives special care for the establishment and upgrading of IT facilities. A trained temporary staff is appointed in the Computer centre.

- Most of the IT based work (online registration, project works, ASAP foundation skill practical classes, ASAP summer skill practical classes etc.) has been undertaken by this centre.
- The systems and the power units (UPS) are maintained & upgraded.
- LCD projector has been mounted in 4 class rooms/labs/seminar hall/indoor auditorium for ICT enabled teaching.
- The fund received from UGC and PD has been proportionately distributed to all departments to purchase the equipment according to their needs.
- The college has upgraded the PCs with latest configuration.
- Smart class room is equipped with LCD projector, computer with internet connection, Audio-visual aids for creating environment for ICT enabled teaching-learning.
- INFLIBNET facility is provided by the Library
- Nearly 70 students and few teachers have registered for NPTEL course offered by MHRD and seven of them successfully completed the course.

#### 4.3.4 Provide details on the provision made in the annual budget for procurement, up gradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

The college allocates funds in consultation with the management for upgrading, deployment and maintenance of the computers and their accessories. The annual budget in this regard for the last four years is given as follows.

**Table 4.7** Budget allocation for ICT Facility for the last four years

| Item                  | 2012-2013<br>(in Rs) | 2013-2014<br>(in Rs) | 2014-2015<br>(in Rs) | 2015-2016<br>(in Rs) |
|-----------------------|----------------------|----------------------|----------------------|----------------------|
| <b>Computers</b>      | 708620               | 74036                | 405050               | 0                    |
| <b>UPS</b>            | 161700               | 0                    | 0                    | 0                    |
| <b>LCD Projectors</b> | 363801               | 0                    | 0                    | 0                    |

|                    |         |       |        |       |
|--------------------|---------|-------|--------|-------|
| <b>Maintenance</b> | 15279   | 6215  | 59140  | 29099 |
| <b>Total</b>       | 1249400 | 80251 | 464190 | 29099 |

#### **4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?**

- Workshop conducted by IQAC on e-content Development for the teaching faculty.
- A workshop on MOODLE conducted by IQAC for the faculty.
- The students and teachers successfully completed various online courses offered by NPTEL.
- Online examinations conducted for internal assessment of students.
- Student feedback on teachers, curriculum, department and college collected online.
- Workshop on Virtual Lab conducted by Department of Physics and the students are encouraged to undertake projects using this technology.
- Department of Physics conducted seminar on e-learning and simulations.
- Certificate courses in basic computational skills and graphics offered by Department of Physics and Certificate course in latex-a technical documentation tool by the Department of Mathematics.
- Use of N-LIST and digital library by teachers and students ensured by College Central Library.
- ICT enabled seminars presented by students for internal assessment in various departments.

#### **4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms / learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.**

- The Institution follows the student-centric teaching learning process effectively by adopting various teaching methods suited to the learning abilities of students like interactive learning using MOODLE, NPTEL, virtual lab and PhET simulations.
- Independent learning is promoted by accessing e-journals via NLIST and supported by fully automated library.
- Innovative teaching approaches includes, ICT enabled teaching using NPTEL, MOODLE, PhET simulations and virtual laboratory. Students are promoted to register for NPTEL courses
- Smart class room equipped with LCD projector, computer with internet connection, audio-visual aids creates an environment for ICT enabled teaching-learning process.
- ICT enabled class rooms provide support to both teachers and students in lecture presentations and seminars.
- NMEC internet connection in all the departments with sufficient systems
- The library subscribes N-LIST of INFLIBNET which enables staff and students to access e-journals, e-books and other e-resources.
- The teachers depend on ICT resources to enrich their prescribed curriculum.

#### 4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

No

### 4.4 Maintenance of Campus Facilities

#### 4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)

The institution ensures a permanent system for maintenance of campus and its resources. The Management gives due priority for the upkeep of its buildings, computer, equipments and furniture.

The following are amounts allocated in the budget for various items year wise in Rs.

**Table 4.8** Amounts allocated in the budget for various items year wise

| Item         | 2013-2014    |                | 2014-2015     |                 |
|--------------|--------------|----------------|---------------|-----------------|
|              | PTA          | Management     | PTA           | Management      |
| Building     | 25000        | 2000000        | 75000         | 1000000         |
| Equipment    | 15000        | 25000          | 30000         | 30000           |
| Computer     | 10000        | 20000          | 2000          | 100000          |
| Furniture    | 100000       | 4000           | 225000        | 10000           |
| <b>Total</b> | <b>55000</b> | <b>2049000</b> | <b>332000</b> | <b>10140000</b> |

| Item         | 2015-2016     |                | 2016-2017     |               |
|--------------|---------------|----------------|---------------|---------------|
|              | PTA           | Management     | PTA           | Management    |
| Building     | 150000        | 1500000        | 250000        | 600000        |
| Equipment    | 8000          | 15000          | 100000        | 50000         |
| Computer     | 50000         | 50000          | 50000         | 75000         |
| Furniture    | 15000         | 10000          | 150000        | 10000         |
| <b>Total</b> | <b>223000</b> | <b>1575000</b> | <b>550000</b> | <b>735000</b> |

Amount spent for maintenance for the last four years in Rs.

**Table 4.9** Amount spent for maintenance for the last four years

| Item         | 2013-2014    |                | 2014-2015     |                 |
|--------------|--------------|----------------|---------------|-----------------|
|              | PTA          | Management     | PTA           | Management      |
| Building     | 17350        | 1848108        | 83602         | 11060504        |
| Equipment    | 15123        | 26923          | 32455         | 31415           |
| Computer     | 6536         | 23590          | 2300          | 104660          |
| Furniture    | 11287        | 3310           | 2800          | 9475            |
| <b>Total</b> | <b>50296</b> | <b>1901931</b> | <b>121157</b> | <b>11206054</b> |

| Item         | 2015-2016     |                | 2016-2017     |               |
|--------------|---------------|----------------|---------------|---------------|
|              | PTA           | Management     | PTA           | Management    |
| Building     | 175680        | 1214317        | 237762        | 589829        |
| Equipment    | 9000          | 15830          | 90040         | 56385         |
| Computer     | 64546         | 54610          | 42310         | 84631         |
| Furniture    | 1110          | 9582           | 9600          | 7400          |
| <b>Total</b> | <b>250336</b> | <b>1294339</b> | <b>379712</b> | <b>738245</b> |

#### **4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?**

- The College has permanent mechanism for maintenance of infrastructure and upkeep of the facilities on the Campus.
- The purchase committee in consultation with IQAC and UGC Cell is responsible for the purchase and maintenance of computers.
- Computer Systems are upgraded on need basis.
- For major repairs and replacement of hardware, the college depends on professionals from outside.
- Maintenance of equipments in the research labs is met from the contingent grant of research Projects.
- Equipment in the departments are maintained by technicians hired for the purpose..
- A qualified mechanic in the college maintains all electrical related work on the campus.
- A trained full time marker has been appointed for the upkeep of sports facilities.
- Damaged furniture are repaired in time by carpenters.
- A work supervisor has been appointed by the Management to oversee all the maintenance works in the campus.
- Two security staff on duty round the clock to take care of the infrastructure in the campus

#### **4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?**

Institution takes up calibration and other precision measures for the equipment/instruments on priority and urgency basis, when departments requests for the same.

#### **4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?**

- Uninterrupted power supply to sensitive instruments is ensured by installing UPS, invertors and a generator.
- Mechanic appointed in the institution looks after the operation and minor repairs.
- Constant water supply is ensured by proper maintenance of water sources, water pumps and supply system. One non-teaching staff is in charge of these duties.

#### **4.4.5 Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.**

Nil

**CRITERION V****STUDENT SUPPORT AND PROGRESSION****5.1 Student Mentoring and Support****5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?**

Yes. An updated prospectus and college calendar are published by the institution annually. Prospectus is issued to each candidate seeking admission in the college, along with the application form. The prospectus gives a detailed account of the profile of the college, the courses offered and the fee details.

The information provided in the college calendar:

- Profile of the college
- Details of faculty and non-teaching staff
- Academic programmes and details of courses offered
- General rules and regulations
- Particulars of fees
- Details of scholarships available
- Facilities available in the college
- Details of committees, forums and clubs functioning in the college
- e-mail id and telephone directory
- Details of higher education institutions
- Academic calendar

The college calendar is made available to all the students in the month of August, on completion of the admission procedure.

The college website contains detailed information regarding the programmes and facilities available in the institution. Annual news letter of the college, "Impressions" gives precise account of the dynamic activities done in the college.

The college is committed to satisfy the needs of the college community in a just and equitable manner for which transparent dissemination of information is essential. This is achieved through the college calendar. By providing essential information regarding the facilities of the college through the calendar, the chances for the effective use of available resources by the college community are enhanced and accountability of the college is ensured.

**5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?**

The institutional scholarships/free ships available to students in the form of scholarships and endowments and are:

- MannamNidhi Loan Scholarship for PG students with more than 60% inqualifying exam(annual income below 15000/-).
- Kanaka Jubilee Loan Scholarship for PG students with more than 60% inqualifying exam(annual income below 15000/-).
- Dr.Balamani Endowment is instituted by the Department of Zoology. The endowment with cash award of 2000/-and citation will be awarded to the best Zoology student in Kannur University in each academic year.

- T V K Endowment prize, constituted by Dept. of History in the name of their former Head of the Dept. Prof. T V K Kurup is awarded to the topper of B A History examination conducted by the University.
- Babu Sanath Kumar Memorial cash prize of 2000/- for topper in B.Sc. Physics degree programme instituted by department of Physics.
- Sanoj memorial cash prize of 5000/- for topper in B.A. English programme instituted by Department of English.
- Shahinsha memorial cash prize of 1000/- for topper in B.Com programme instituted by department of Commerce.
- Sri. P.P. Krishnan Nambiar Endowment of Rs.1000/- instituted by Department of Botany.
- Dr. G.K. Nair Achievement Award of Rs. 500 to one meritorious student in I semester B.A. Hindi programme.
- The college alumni association awards Rs.500 to one student in each discipline as a financial assistance from 2007-08 onwards.
- PTA presents a cash award Rs.1000 to one meritorious student in each discipline as an encouragement for academic achievements.
- The Student Support System- Majority of students in our college belongs to economically and socially backward sections of the society. To cater to their financial needs the college has initiated a unique venture, the Student Support Programme, which ultimately aims at the welfare of the student community as a whole. The financial contribution from the staff of the college is used to implement the program. Financial assistance is provided for payment of fees, purchase of books and other study materials, dress, bus fare and other essentials. Aid is extended also in the form of concessional rates for food in college canteen.

The financial aids are disbursed on time.

### 5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

**Table 5.1** Percentage of students receiving financial assistance from Govt. and other agencies

| Year    | Number of Students |       |                | Total number of students | % of students |
|---------|--------------------|-------|----------------|--------------------------|---------------|
|         | Central            | State | Other agencies |                          |               |
| 2011-12 | 26                 | 648   | 2              | 1077                     | 63            |
| 2012-13 | 4                  | 822   | 19             | 1108                     | 76            |
| 2013-14 | 7                  | 862   | 14             | 1185                     | 76            |
| 2014-15 | 6                  | 951   | 14             | 1231                     | 79            |
| 2015-16 | 7                  | 960   | 9              | 1287                     | 76            |
| 2016-17 | 4                  | 1012  | 8              | 1336                     | 77            |

### 5.1.4 What are the specific support services/facilities available for

1. Students from SC/ST, OBC and economically weaker sections
2. Students with physical disabilities
3. Overseas students
4. Students to participate in various competitions
5. Medical assistance to students :healthcentre, health insurance etc.
6. Organizing coaching classes for competitive exams
7. Skill development (spoken English, computer literacy, etc.,)
8. Support for "slow learners"/Exposures of students to other institution of higher learning/ corporate/business house etc.



## 9. Publication of student magazines

### 1. Students from SC/ST, OBC and economically weaker sections

- Seats are reserved for SC/ST and OBC candidates seeking admission for various courses in the college, as per the rules and regulations of the Government.
- Financial support in the form of scholarships is made available to students.
- Remedial coaching programme of UGC aimed at giving additional academic support to students belonging to socially and economically backward sections,
- Coaching for Entry in Services Programme focuses on giving special training to students belonging to minorities and socially and economic backward categories.

### 2. Students with physical disabilities

- Adequate infrastructural facilities are arranged for students with physical disabilities. Classes for such students are always arranged in the ground floor considering their special needs.
- A ramp is constructed near Principal's office to ease the difficulties faced by the physically challenged persons.
- Assistance of scribe is provided for physically challenged students for attending University exams. Comfortable seating arrangements are made as per requirements of students.
- Additional time is given for eligible students as per university rules.
- The emotional and social needs of such students are given special attention in tutorial sessions and personal counselling sessions are arranged.

### 3. Overseas students

At present the college has no overseas student.

### 4. Students to participate in various competitions

The college wholeheartedly encourages participation of the students in competitions organised by various agencies.

- 'Arangu', the arts forum of the college has envisioned the holistic development of latent artistic talents of students of our college. It also aims at providing quality training to students so that they can give performance of superior quality.
- A five day National workshop, 'SAPARYA' on five different art forms (Kathak, Kathakali, Kuchupudi, Tholpaavakkothu and Koodiyattam) was conducted in collaboration with SPICMACAY to nurture the latent talents in students,
- Appropriate guidance and financial assistance is provided to students to register for the various competitions at the University and Interuniversity levels through proper channel.
- The attendance for the day in which they participate in a competition is granted to them.
- Department clubs also promote student talents by organizing various programmes and informing students about intercollegiate competitions (quiz/debates/colloquiums/presentations) organized by other institutions and organizations.
- The Students Union organizes annual cultural programme 'Swaralaya'. Union co-ordinates activities related to Kannur University Union Youthfestival.

### Promotion of sports activities

The Physical Education Department leads all the activities related to the promotion of sports activities of students.

- The students coming under sports quota are given all the facilities in capacity of the college to enhance their level of achievement.
- The department informs students about the various competitions organised by Kannur University and other interstate/interuniversity/intercollegiate competitions.

- Training sessions and workshops on Yoga, aerobics and Kalarippayattu are conducted by the department.
- The department selects students to represent in various sports events.
- The department conducts an annual sports meet to instil the spirit of sportsmanship in the college community.
- Monetary support is given to members participating in various tournaments, both interstate and intra state.
- The college has appointed a coach for the Volleyball team in our college.
- Accommodation for students is provided in the sports hostel within the campus.
- Special diet as per requirement is provided to the students by Kerala State Sports Council.

#### **5. Medical assistance to students: health centre, health insurance etc.**

- Though the college lacks the facility of a full-fledged health centre, provision for first aid is arranged in the college. The department of Physical Education attends to first aid needs of students. First aid box is kept in Zoology department also.
- In case of emergency situations external medical facilities are arranged, which is available within half kilometre from the college.
- Timely interventions are made to create health awareness in students such as an eye check up camp organised at the college by NSS and Zoology department in collaboration with Al-Salama Eye Hospital and VASAN Eye Care respectively.

#### **6. Organizing coaching classes for competitive exams**

- The Coaching for Entry in Services Programme funded by UGC gives free coaching classes to students belonging to minority communities to prepare them to face competitive exams conducted by governmental and banking organisations. Expert faculties are invited to engage classes for the programme.
- Mathematics department conducted PSC coaching programmes for students of the college aiming at developing mathematical problem solving skills.
- PG department of Commerce and PG department of Mathematics have conducted coaching programmes for the students appearing for UGC-NET examinations.

#### **7. Skill development (spoken English, computer literacy, etc.)**

- The college is a training partner in the ASAP programme launched by the Higher Education Council of Govt. of Kerala. The Department of English has successfully completed the programme twice and many of the students trained in the programme are employed as language trainers.
- The certificate courses conducted by various departments emphasise additional skill development in students. The courses offered are
  - \* Certificate course in Basic Computational skills and Graphics
  - \* Certificate course in Introduction to Latex, a technical documentation tool
  - \* Certificate Course in Mushroom Cultivation
  - \* Certificate course in Human Rights Education
  - \* Certificate course in Photography
  - \* Certificate course in Accounting and Taxation.
  - \* Certificate Course in Classical Dance: Theory and Practice
  - \* Certificate course in Hindi Translation
  - \* Certificate course in DTP
  - \* Certificate course in Spoken Hindi
  - \* Certificate course on Computer Hardware Maintenance and Networking
- Equal opportunity centre conducted spoken English classes for students for developing communication skills in students.

- All students are required to create e-mail accounts when they join for the Degree Programme.
- On-line examinations are conducted for continuous assessment to make the students familiar with the process, which is now widely used in higher education.
- Students are encouraged to do online courses offered by agencies such as NPTEL.

### 8.Support for “slow learners”

- The college is a partner in conducting the Scholar Support Programme, which is a part of the ‘New Initiatives in Higher Education’ initiated by the Department of Higher Education, Govt. of Kerala. SSP aims at imparting additional support to students who are weak in curricular areas. The subjects in which additional curricular support would be offered have been selected on the basis of result analysis. Students selected for the programme attend special coaching programmes and are provided with additional study materials.
- Peer tutoring is arranged at departmental and interdepartmental level.
- The remedial coaching programme funded by UGC envisioned to enhance the academic levels of backward students. Special timetable for academic assistance was designed for the programme.
- Individual attention is given to slow learners. Specific difficulties identified at individual level are attended to by arranging counselling sessions and by giving additional academic support by teachers.

#### **Exposures of students to other institution of higher learning/ corporate/business house etc.**

Most of our students are coming from rural background and many belong to socio-economically backward sections of the society who rarely get chances of exposure to higher areas of learning and interaction. Focussing on vertical mobility of students and diversity of learning experience, various departments plan programmes so that students get exposure to institutes of higher learning..

- Students of Department of Physics visited and interacted with faculty of the centre for Nanoscience Engineering and IISc. They visited Vishveshwaraya science museum. A final year student of the department attended a training programme, PTTS, at Regional Institute of Education, Mysore. Three students participated in a workshop at Ramanujan Institute, Kottayam.
- Department of Chemistry conduct academic visits to institutions of industrial importance. Students visited the Malabar Cements at Palakkad and silk factories in Mysore.
- Annual study tours focus on visits to National Institutes of Research, Protected areas and Museums so that students get maximum exposure to diverging areas of research as well as conservation techniques. As part of study tour, Department of Zoology visited CMFRI, a premier research institute in Biological Sciences
- As part of the field study, the Department of Botany conducted a field trip to KFRI, a premier research institute in Kerala.
- The students of department of Economics visited tea factory in Munnar
- A motivational visit to IIT Chennai was conducted for the scholars as part of WWS programme.
- PG Department of Commerce has given diverse experience to students by exposing them to the modern trends in their discipline.
  - A seminar on financial literacy was conducted in collaboration with Geojit BNP Paribas

- A seminar on Indian and International courses was organised in association with Logic School of Management Kochi.
- A seminar on corporate relations was conducted by inviting experts from NITTE Bangalore.
- Seminar on Professional courses, certified management accounting and international financial reporting standards were conducted

### 9. Publication of student magazines

Student magazine is published every academic year under the leadership of College Union and Magazine Committee. Magazines are published by various departments also in connection with various events.

**Table 5.2** List of Publications of last five years

| Department    | 2012-13               | 2013-14                       | 2014-15       | 2015-16            | 2016-17   |
|---------------|-----------------------|-------------------------------|---------------|--------------------|---|
| College Union | Ury                   | Ottachilambil<br>OruBhoopadam | Pencil        | Gulmakkay          | Crayons   |
| Chemistry     | Nano<br>chem.         | Nano chem                     | Nano<br>chem. | Nano chem          | Nano<br>chem  |
| Mathematics   |                       |                               | OttyoIttyo    |                    |   |
| Zoology       | Skylark               | Skylark                       | Skylark       | Skylark            | Skylark   |
| History       |                       |                               |               |                    | Neru  |
| Economics     | Ithalukal             | Dhwani                        | Mozhi         | Thoolika           |   |
| Commerce      | Rhythm of<br>Commerce |                               | Memories      |                    |   |
| English       |                       | Dew Drops                     | Symphony      |                    |   |
| Hindi         | Rangoli               | Mukhar                        | Manas         | Chaandaur<br>Gulab | Srujan  |
| Malayalam     |                       |                               | Thapasya      | Jaalakam           | Drishyam  |
| Botany        |                       |                               |               |                    | Blooming<br>blossoms,<br>Silent<br>Spring,<br>Cornelian |

### 5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

The specific regional needs and special skills of students are to be given due consideration. Focussing on development of entrepreneurial skills in students, the Entrepreneurship Development Club functioning under the leadership of Department of Commerce brings out a myriad of activities. The club started functioning in our college from 2003-2004. Every year the club organizes various activities to promote entrepreneurial skill among the students of our college.

**Table 5.3** Activities of Entrepreneurship Development Club

| Year    | Activity  |
|---------|---|
| 2011-12 | Seminar on “Spiritual Human Intelligence of Values in Organization for Higher Aspirations and Management” |
|         | Industrial visit to Parissons Liberty Tea Factory at the Tea Estate,                                      |

|         |   |
|---------|---|
|         | Thalapuzha, Wayanad.  |
| 2012-13 | Seminar on “An Awareness Seminar on Handloom Mark” in collaboration with the Handloom and Textile Directorate Trivandrum and the DIC Kannur                         |
| 2013-14 | Workshop on “Horizons in entrepreneurship”<br>Co-ordinator along with ED Club Secretary attended the Inauguration of Student Entrepreneurship Scheme at Techno Park |
| 2014-15 | Khadi fest in collaboration with Kanhirode Weavers Co operative Society   |
| 2015-16 | One day seminar ‘Vibrance’.   |
| 2016-17 | Workshop on preparation of project proposals and various schemes available for entrepreneurs  |

In addition to this, departments have undertaken various projects and done programmes to develop such skills in students.

- The Department of Zoology gave hands-on-training in Apiculture and Vermicomposting.
- The Department of Botany gave training to students on Mushroom cultivation. The Department developed an organic vegetable farm in the college campus. The certificate course on Mushroom Cultivation offered by the department intends to develop entrepreneurial skills in students.
- The Women’s cell in the college organised a variety of programmes with a mission of earning while learning. Students were given hands on training in umbrella making, tailoring, jewellery designing, production of toiletries, pickling etc.
- Workshop on Book binding was conducted by the Central Library. The skills of the trained students were used in binding damaged books in the college library. This helped the students to earn while they learn.
- The certificate course in Photography offered by department of English also aims the development of entrepreneurial skills in students.
- The computer lab in the college offers certificate course in Hardware maintenance to students.

#### **5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and cocurricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.**

Excellence in quality can be attained only through the holistic development of the students. The college demands and encourages the active participation of students in co-curricular and extra-curricular activities.

- Departmental clubs functioning in all the departments design and implement divergent activities, both curricular and co-curricular ensuring participation of all the students. Such activities provide them a platform to express their talents.
- The college has active units of NCC and NSS giving leadership to co-curricular and extra-curricular activities.

#### **Sports & Games:**

Department of Physical Education is a centre for moulding intellectually enriched, emotionally balanced and physically strong young men and women. Infrastructural facilities are arranged for supporting students participating in District, University and State level competitions. An annual sport meet is conducted ensuring participation of the whole college community. University level tournaments are also hosted by the institution.

Physical facilities available in the Campus for sports and games are

1. 200 mts 6 lane athletic track.

2. Gravel football ground; it is used to play cricket.
3. Hand ball court
4. Two volleyball courts
5. Shuttle badminton court
6. Basketball court
7. Softball court
8. Kabaddi court
9. 12 station multi gymnasium installed in the sports hostel
10. Motorised Tread mill is located in the fitness room
11. Biofeedback facility
12. All other sports materials kept in equipment room and physical education department.

### **Special training**

- The Department of Physical Education provide coaching camp to the selected players in major games like Softball, Football, Cricket, Hand ball, Shuttle badminton, Chess, Kabaddi, Khokho and Athletics.
- Sports hostel (Volleyball men) in college is aided by Kerala State Sports Council.
- The council provide volleyball coach to train the sports hostel players.
- Coaching is given to college team for participating in University intercollegiate tournaments.
- They have separate training schedule and practice time of the students is fixed as 6.30 to 9 in the morning and 4.30 to 6.30 in the evening
- The council meet the boarding and lodging charges and washing allowance of sports hostel players..

### **Arts & Cultural activities:**

- A well organized Arts Forum 'Arangu' is functioning in the college to promote creative talents among the students. A team of teachers is entrusted with the charge of coordinating arts and cultural activities. 5 days National Workshop on Indian classical and Folk Art Forms was arranged in collaboration with SPICMACAY in which nearly 300 students of the institution participated
- Various cultural activities such as Fine Arts Festival (Swaralaya), College Day Celebrations, Departmental Association programmes and programmes organized by the College Union ignite the talents among the students.
- The artistic talent of selected students are promoted by intensive training in various art forms by with the assistance of experts concerned.
- Celebration of festivals such as Onam and Christmas by the college community every year by organising various programmes in the college enriches the cultural activities of the college.

### **Debate, Quiz, Discussion**

Various Departments in the college conduct debates, quiz and open forums independently and also in association with various external agencies and organizations. These programmes provide opportunities for students to express their views and ideas and sharpen their intellect. The academic seminars, colloquiums and workshops also offer a platform for presentations, debates and discussions.

### **\*Additional academic support, flexibility in examinations**

- Examination oriented special programmes like stress management sessions, motivational sessions, discussions, special classes, counselling programmes and model examinations are conducted in the college.
- Special projects like 'Walk with a Scholar', 'Scholar Support Programme'
- 'Additional Skill Acquisition Programme' and remedial coaching programme are also



implemented in the college.

- Additional academic support to those students participating in various competitions is given informally in the form of extra classes for those who miss the class while participating in various competitions. They are allowed to appear for internal exams with a schedule suitable for them.

**\*Special dietary requirements, sports uniform and materials**

- Financial support to sports hostel students

The selected players from Kerala Sports council get admission to the sports hostel. They also get Rs.200 per head per day as food and accommodation charges, and also provide Rs. 100 per month as washing allowance.

- Diet

Kerala State Sports Council has provided separate menu (Food) for sports hostel students. Refreshments are provided during practice sessions.

Regular upgrading of sports equipments is done using the funds elicited from both the UGC and the Department of Collegiate Education.

- Financial support to other sports students

All the teams are paid TA/DA for participating in Practice matches and University intercollegiate tournaments.

(TA-Actual Bus/Train (Second Class) Fare, DA-Rs. 50.00 Per day, Room Rent-Rs. 50.00 Per day, Incidental Expense -Rs. 25.00 )

Uniforms & sports equipment

- Free sports kit and uniform are provided to all the selected team members for participating in University intercollegiate tournaments.
- Sports equipments are given to the players for practice matches and for playing intercollegiate and local tournaments.
- Attendance is given to students participating in sports competitions as per rules.

**\*Any other**

- Winners are felicitated in special functions arranged for the purpose and also on college day.

**5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defence, Civil Services, etc.**

- The PG department of Commerce and PG department of Mathematics have conducted motivational programmes to instil inspiration in students to appear for UGC-CSIR-NET and UGC-NET examinations. Study materials and books are also made available to the aspirant candidates.
- Post Graduate Department of Commerce organised an orientation for UGC-NET examination to be held in December 2016 on 08-10-2016. Seventy five aspiring candidates preparing for UGC-NET examination in Arts and Commerce subjects including teachers in self financing colleges and Higher Secondary schools attended the programme.

**Table 5.4 Details of students QUALIFIED in various competitive examinations**

| Year    | UGC-JRF-NET | GATE | JAM | SET | Defence |
|---------|-------------|------|-----|-----|---------|
| 2010-11 |             |      |     |     | 5       |
| 2011-12 | 2           |      |     |     | 1       |
| 2012-13 | 4           |      |     |     | 1       |



|         |   |  |   |   |   |
|---------|---|--|---|---|---|
| 2013-14 | 1 |  |   |   | 6 |
| 2014-15 | 1 |  | 1 | 1 | 2 |
| 2015-16 | 3 |  |   |   | 3 |
| 2016-17 | 4 |  |   |   | 2 |

- The Coaching for Entry in Services Programme in the college, gives training and academic support to students to appear for tests to enter Central/State services.
- The central library has a good repository of books for competitive examinations.
- Orientation classes for UG students are conducted regularly by the departments regarding higher studies options and various competitive examinations for higher studies.
- Reading room facility is arranged in all the departments.

#### **5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social etc.)**

- Students face various personal issues which require expert attention. Assistance of a professional counsellor is sought to give personal counselling to students.
- Career guidance programmes are conducted regularly by the Career Guidance and Counselling Centre of the college in collaboration with governmental and other agencies.
- Students are given information regarding diverse levels of occupation as well as vocational opportunities.
- Need-based group guidance sessions are regularly organised by IQAC and departments.
- Experts in various fields are invited to give lectures and interactive sessions on diverse topics such as personality development, soft skills development, and effective ways to face interviews and group discussions.
- Interactive sessions with experts in various fields are also conducted regarding higher educational opportunities, competitive exams and career opportunities.

#### **5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).**

- Career Guidance and Counselling Cell functioning in the college offers various services for the students regarding placements. Information regarding campus recruitments by various institutions and agencies are provided to the students. Adequate assistance is given for the students to participate in such recruitment programmes.
- The Cell offers quality enhancement programmes thereby improving the chances of employability.
- Interactive sessions on thrust areas such as personality development, soft skills, and social media are conducted regularly by the Cell.
- Database of students is prepared by the Cell which makes the task of finding suitable candidates for various professions easier.
- The central library is a repository of books related to competitive examinations for the job aspirants.

**Table 5.5** List of programmes organized by career guidance and counselling cell

| Year    | Activities done  |
|---------|--|
| 2010-11 | <ul style="list-style-type: none"> <li>* A workshop on Goal setting and Career planning was organised with the support of INSPIRE, Telichery</li> <li>* An orientation on career options and oppurtunities</li> <li>* An orientation programme on MBA as career option and TIME Talent scholarship exam</li> </ul>   |
| 2011-12 | <ul style="list-style-type: none"> <li>* National level students development and placement programme</li> <li>* Orientation on career options and career opportunities</li> <li>* An information session on BJS All India examination</li> <li>* National level students' development and placement programme in collaboration with Koshy's Institute of management Bangalore.</li> <li>* A campus recruitment programme by Eureka Forbes Limited.</li> </ul>  |
| 2012-13 | <ul style="list-style-type: none"> <li>* An interaction session on career in Management in collaboration with JOB SECURA Finishing school</li> <li>* Awareness programme on career opportunities in Logistics and Shipping Industries</li> </ul>   |
| 2013-14 | <ul style="list-style-type: none"> <li>* A seminar on Practical accounting and taxation</li> <li>* Preliminary exam for placement in various IT firms was organized in collaboration with Koshy's Institute of Management</li> </ul>   |
| 2014-15 | <ul style="list-style-type: none"> <li>* Students attended one day workshop and training programme on global placement at Kannur</li> <li>* Discipline wise Orientation programme on higher studies and career options for UG students</li> <li>* Students attended a seminar on common admission test (CAT) held at Chinmaya Mission College, Kannur</li> <li>* Students attended campus recruitment programme organized by Federal bank at Payyannur College</li> <li>* PG students participated in the selection procedure to Federal Manipal School of Banking</li> <li>* Campus drive to ICICI banks for final year students was conducted in collaboration with TVS group at the college</li> <li>* Students attended WIPRO campus drive held at DonBoscocollege,Iritty.</li> <li>* Students of various departments participated in a one day workshop and training programme on global placement organized by World Malayalee Council at Kannur.</li> <li>* A personality development class for the final year students was conducted in association with IQAC .</li> <li>* A mock test for recruitment to banks was conducted for the final year students in association with TIME Kannur .</li> <li>* Personal and group counselling was conducted for the II year</li> </ul> |

|         |   |
|---------|---|
|         | students  |
| 2015-16 | <ul style="list-style-type: none"> <li>* A seminar on awareness on cyber crimes and protection of internet accounts was organized for the final year students in association with G-Tech Mattannur</li> <li>* A training programme on how to attend bank tests was organized for the final year degree students in association with Time, Kannur. A mock test was conducted and results published.</li> <li>* 17 final year students attended a recruitment drive to various firms held at Calicut.</li> <li>* A talk on recruitment to ICICI banks was organized for the final year and PG students</li> <li>* A registration programme to employability centre Kannur was conducted for the final year students. 59 students have registered seeking job opportunities</li> </ul> |
| 2016-17 | <ul style="list-style-type: none"> <li>* A seminar on “How to crack civil service examinations” was organised for the final year students in collaboration with Target Learning Centre, Calicut</li> <li>* An orientation programme on animation courses and related job opportunities was conducted for the final year students in collaboration with Arena Multimedia, Kannur</li> </ul>  |

**Table 5.6** Number of students employed for the past five years

| Subject | Phy | Chem | Mat | Zool | Bot | Econo | His | Commerce | Eng | Hin |
|---------|-----|------|-----|------|-----|-------|-----|----------|-----|-----|
| Number  | 8   | 9    | 7   | 14   | 1   | 17    | 8   | 45       | 5   | 8   |

**Table 5.7** Placement details of Sports students in various departments since 2011

| No  | Name            | Course        | Year | Department   |
|-----|-----------------|---------------|------|--------------|
| 1.  | Hari Krishnan   | IBSc Zoology  | 2012 | BSF          |
| 2.  | Arunjith K      | I Bcom        | 2013 | Army         |
| 3.  | Vipindas T      | I B.Com       | 2013 | Army         |
| 4.  | DhanjithCP      | I BA Hindi    | 2013 | Army         |
| 5.  | Shijil Raj      | III BA Hist   | 2013 | Army         |
| 6.  | Sarath P R      | I BA          | 2014 | Army         |
| 7.  | MuhammedShyjith | I Bcom        | 2014 | Abroad       |
| 8.  | Rakhil K        | I BA          | 2014 | Army         |
| 9.  | Abeesh Baby     | IBA           | 2013 | Appolo tyres |
| 10. | Jamshad K       | III BA        | 2014 | Abroad       |
| 11. | Jishnu          | I BSc Phy     | 2014 | Army         |
| 12. | Prajeesh KV     | III BA Eco    | 2015 | Army         |
| 13. | DivekThomas     | I BA Eng      | 2015 | Army         |
| 14  | Vishnu          | I BA Plant Sc | 2015 | Army         |

**Table 5.8** Placement details of NCC cadets in various departments since 2011

| No  | Name                 | Course         | Year | Department                         |
|-----|----------------------|----------------|------|------------------------------------|
| 1.  | Maneesh K            | B.Com          | 2014 | Syndicate Bank<br>,Mayyil Branch   |
| 2   | Vivil                | B.Com          | 2013 | Canara Bank,<br>Cherukunnu Branch  |
| 3.  | Jithin George        | B A .Economics | 2014 | Indian Army, MRC<br>Ooty           |
| 4.  | Sarang T K           | B.Sc Physics   | 2014 | Trivandrum Info Park               |
| 5.  | Aswin A              | B.Com          | 2013 | Pursuing PHD. From<br>IIT Roorkee. |
| 6.  | Sumil Suresh<br>Babu | B.Sc. Maths    | 2014 | Indian Army,<br>Jabalpur, M P.     |
| 7.  | Adarsh T P           | B.Sc Maths     | 2015 | Indian Army, Goa                   |
| 8.  | Subin S              | B A Economics  | 2015 | Indian Army J& K                   |
| 9.  | Mithun O N           | B.Sc Physics   | 2014 | Indian Army,<br>Jabalpur, M P.     |
| 11. | Vishnu P K           | B.Sc Zoology   | 2016 | Indian Army,<br>Jabalpur, M P.     |
| 12. | Sajith P K           | BSc. Physics   | 2016 | Indian Army,<br>Jabalpur, M P.     |

**5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.**

The college has a Grievance Redressal Cell for addressing the problems faced by the students. The details of contact persons are published the calendar and phone numbers are displayed in the college.

**Table 5.9** Details of activities of Grievance Redressal Cell

| Year | Issue reported   | Action taken  |
|------|--|---|
| 2012 | Clash between student members of different political organisations on 12.10.2012                                 | Students involved were suspended, pending enquiry w.e.f 12.10.2012 upto 22.10.2012. The suspension was revoked on obtaining written apology and undertaking from the students and their parents respectively. The students were permitted to attend classes on 25.10.2012 |
| 2014 | 1. Clash between student members of different political organisations on 21.01.2014 & 03.02.2014<br>2. Complaint | 1. Students involved were suspended, pending enquiry w.e.f 21.01.2012. The suspension was revoked on obtaining written apology and undertaking from the students and their parents respectively   |

|  |   |   |
|--|---|---|
|  | regarding personal<br>insult between<br>student candidates<br>on 29.10.2014 | 2. Complaint revoked as there was no<br>evidence to support the claim |
|--|---|---|

#### 5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

Women anti-harassment cell is constituted in the college to resolve issues related to sexual harassment. Complaints have not been registered for the past four years. Details about the cell are published in the college calendar.

#### 5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

The college has an anti-ragging committee which takes up complaints related to ragging. Complaints are handled according to court regulations and rules of Government.

#### 5.1.13 Enumerate the welfare schemes made available to students by the institution.

- Student support system
- Scholarships– Institutional and Governmental

#### 5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

The college has an informal alumni association which is not yet registered. Some Departmental alumni associations are registered. The contributions of alumni are:

- Institutional contributions-alumni has role in annual planning of activities of the college as a part of IQAC.
- Academic contributions- eminent alumni are invited to the college for motivational lectures and interactions with students on higher educational opportunities and institutions.

### 5.2 Student Progression

#### 5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed. Student progression % UG to PG, PG to M.Phil. PG to Ph.D., Employed, Campus selection•

Progression of students to levels of their choice is a vital which is to result from the overall activities of the college. The following tables present the meritorious progression of our students during last five years

**Table 5.10** Student Progression-Department of Physics

| Student progression<br>in percentage | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 |
|--------------------------------------|---------|---------|---------|---------|---------|
| UG-PG                                | 41.6    | 20      | 27.7    | 36.3    | 30      |
| PG-M.Phil                            |         |         |         |         |         |
| PG-Ph.D                              | -       |         |         |         |         |
| Employed                             | 0.21    | 0.28    | 0.1     | 0.09    | 0.06    |

**Table 5.11** Student Progression-Department of Chemistry

| Student progression in percentage | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 |
|-----------------------------------|---------|---------|---------|---------|---------|
| UG-PG                             | 58      | 52      | 36      | 48      | 29      |
| PG-M.Phil                         |         |         |         |         |         |
| PG-Ph.D                           |         |         |         |         |         |
| Employed                          | 12      | 12      | 3       | -       | 2       |

**Table 5.12** Student Progression-Department of Mathematics

| Student progression in percentage | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 |
|-----------------------------------|---------|---------|---------|---------|---------|
| UG-PG                             | 40      | 40      | 45      | 35      | 40      |
| PG-M.Phil                         | -       | -       | -       | -       | -       |
| PG-Ph.D                           | -       | -       | -       | -       | -       |
| Employed                          | 40      | 30      | 10      | -       | -       |
| Campus selection                  |         |         |         | 2       |         |

**Table 5.13** Student Progression-Department of Zoology

| Student progression in percentage | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 |
|-----------------------------------|---------|---------|---------|---------|---------|
| UG-PG                             | 62.96   | 53.85   | 56.52   | 57.14   | 48.28   |
| PG-M.Phil                         |         |         |         |         |         |
| PG-Ph.D                           |         |         |         |         |         |
| Employed                          | 9       | 3.85    |         |         |         |
| Campus selection                  |         |         |         |         |         |

**Table 5.14** Student Progression -Department of Botany

| Student progression in percentage | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 |
|-----------------------------------|---------|---------|---------|---------|---------|
| UG-PG                             |         |         |         |         | 8       |
| PG-M.Phil                         |         |         |         |         |         |
| PG-Ph.D                           |         |         |         |         |         |
| Employed                          |         |         |         |         | 2       |

**Table 5.15** Student Progression - Department of History

| Student progression in percentage | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 |
|-----------------------------------|---------|---------|---------|---------|---------|
| UG-PG                             | 18.9    | 20      | 25      | 40      | 43.2    |
| PG-M.Phil                         |         |         |         |         |         |
| PG-Ph.D                           |         |         |         |         |         |
| Employed                          | .27     | .05     | .05     | -       | -       |

**Table 5.16** Student Progression -Department of Economics

| Student progression in percentage | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 |
|-----------------------------------|---------|---------|---------|---------|---------|
| UG-PG                             | 23      | 20      | 22      | 30      | 33      |
| PG-M.Phil                         |         |         |         |         |         |
| PG-Ph.D                           |         |         |         |         |         |

|          |   |  |  |   |  |
|----------|---|--|--|---|--|
| Employed | 1 |  |  | 1 |  |
|----------|---|--|--|---|--|

**Table 5.17** Student Progression - Department of Commerce

| Student progression in percentage | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 |
|-----------------------------------|---------|---------|---------|---------|---------|
| UG-PG                             | 20      | 15      | 30      | 20      | 30      |
| PG-Higher studies                 | 3       |         |         |         |         |
| PG-Ph.D                           |         |         |         |         |         |
| Employed-UG                       | 89.2    | 71.2    | 66.7    |         |         |
| PG                                | 72.7    | 60      | 60      | 76.9    |         |
| Self employed                     | 20      | 18      | 10      | 9       | 15      |

**Table 5.18** Student Progression- Department of English

| Student progression in percentage | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 |
|-----------------------------------|---------|---------|---------|---------|---------|
| UG-PG                             | 32      | 20      | 38      | 30      | 20      |
| PG-M.Phil                         |         | 2       | 1       |         |         |
| PG-Ph.D                           |         |         |         |         |         |
| Employed                          | 20      | 36      | 31      | 14      | 10      |
| Campus selection                  | 4       | 4       |         |         |         |

**Table 5.19** Student Progression -Department of Hindi

| Student progression in percentage | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 |
|-----------------------------------|---------|---------|---------|---------|---------|
| UG-PG                             | 53      | 66      | 77      | 70      | 60      |
| B-Ed                              | 6       | 6.2     | -       | 3       | 8       |
| PG-Ph.D                           |         |         |         |         |         |
| Employed                          | 2       | -       | -       | 3       | -       |

**5.2.2** Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

**Table 5.20** Programme wise pass percentage and completion rate

| Programme         | Pass Percentage |         |         |         | Completion rate |         |         |         |
|-------------------|-----------------|---------|---------|---------|-----------------|---------|---------|---------|
|                   | 2012-13         | 2013-14 | 2014-15 | 2015-16 | 2012-13         | 2013-14 | 2014-15 | 2015-16 |
| BSc.Physics       | 83.3            | 62.1    | 61.1    | 88.23   | 93.8            | 86.48   | 100     | 97.1    |
| BSc.Chemistry     | 88              | 96.7    | 89.67   | 88.7    | 89.3            | 100     | 96.8    | 100     |
| BSc.Mathematics   | 60              | 87.5    | 77.78   | 84.4    | 88.23           | 80      | 91.83   | 92      |
| MSc. Mathematics  |                 |         | 93      | 85      |                 |         | 93.33   | 93.33   |
| BSc.Zoology       | 100             | 100     | 93      | 100     | 92              | 100     | 90      | 100     |
| BSc.Plant science | -               | -       | -       | 100     | -               | -       | -       | 100     |
| B.AHistory        | 81.63           | 72      | 72.55   | 88.67   | 81.66           | 81.66   | 85      | 88.33   |
| B.AEconomics      | 77.55           | 72.55   | 94.23   | 79.25   | 85              | 82      | 87      | 88      |
| BCom.             | 98.2            | 98.25   | 86.4    | 87.6    | 100             | 100     | 90      | 90      |



|                  |                                  |                           |      |      |     |     |     |     |
|------------------|----------------------------------|---------------------------|------|------|-----|-----|-----|-----|
| <b>MCom.</b>     | 85.7<br>II<br>and<br>III<br>rank | 80<br>with<br>III<br>Rank | 83.3 | 83.3 | 100 | 100 | 100 | 100 |
| <b>BAEnglish</b> | 77                               | 100                       | 78   | 80   | 96  | 100 | 96  | 94  |
| <b>BAHindi</b>   | 100                              | 92                        | 100  | 87   | 88  | 60  | 65  | 75  |

### 5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

Ensuring vertical mobility of students to vistas of higher education is the basis for designing various programmes of the college.

- Orientation classes regarding the higher education opportunities in various disciplines are organised for the students both at college level and specifically at department level.
- Academic enrichment programmes are conducted in the college. The sessions are handled by experts from various fields. Such programmes make the students aware of the various centres of learning in higher education sector.
- College is a partner in Walk with the scholar programme, a venture of Higher Education Council. Internal and external mentoring sessions are provided to sharpen the intellect and boost up the spirit of young academic talents. As part of the motivational visit programme the scholars visited IIT Chennai.
- Post Graduate Department of Commerce organised an orientation for UGC-NET examination to be held in December 2016 on 08-10-2016. 75 aspiring candidates preparing for UGC-NET examination in Arts and Commerce subjects including teachers in self financing colleges and Higher Secondary Schools attended the programme.
- 'Nipunya', a finishing school programme was conducted by the PG departments focussing on soft skill development of post graduate students.
- Eminent alumni are invited to the college to give motivational lectures to students. Seminars on career prospects and higher studies opportunities are conducted using the expertise of alumni in various disciplines.
- Visits to institutions of higher learning as part of curriculum opens opportunities for the students to interact with eminent academicians and researchers
- Seminars / symposiums/colloquiums conducted by the college.
- Training is given to face various competitive examinations and entrance examinations.
- Study materials and books and internet facility made available to the students to prepare for competitive exams.
- The Coaching for Entry in Services Programme provides free coaching for students, equipping them with techniques to face various competitive examinations. The programme aims at providing coaching facilities ensuring equitability and social justice.
- College calendar is a repository of information regarding the higher studies opportunities.
- The Career Guidance Cell makes the students aware of the various job positions available for them.
- Students are promoted to appear for campus selection conducted by various agencies.

#### 5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

- Regular result analysis done by the various committees of the college helps to identify students whose achievement levels are low and those who are under the risk of failure.
- The tutorial/mentoring system followed in the college is an effective platform to identify the various issues faced by the students as well as the reasons for such crises. The mentors take appropriate measures to ease the difficulties faced by the students.
- Tutorial sessions help to give individual attention to students.
- Through the Scholar Support Programme special attention is given to those students who are below in achievement.
- Individual counselling is given to students to who are at the risk of dropping out.
- They are sensitized about diverse career opportunities and better prospects.
- Regular class PTS meetings act as an effective interactive platform to address failure and drop out issues, and also issues related to poor achievement.
- Financial support is provided to those students facing financial constraints through the student support system of the college.

### 5.3 Student Participation and Activities

#### 5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

Our students show exemplary performance in Kannur University Kalotsavam through the years. Students participate in group events and individual events. The details of the events in which students participated over the years are given in the table of achievements.

**Table 5.21** Achievements of students in Kannur University youth festival

| Items                    | 2011-12    | 2012-13    | 2013-14                  | 2014-15     | 2015-16 | 2016-17 |
|--------------------------|------------|------------|--------------------------|-------------|---------|---------|
| <b>Bharatanatyam</b>     | *I         | I          | III                      |             | II      | III     |
| <b>Mohiniyattom</b>      | I          | I          |                          |             | III     |         |
| <b>Kuchupudi</b>         | I          | I          |                          | III         |         | II,III  |
| <b>Keralanadanam</b>     | I          | I          | III                      | III         |         | II      |
| <b>Nadodinrutham</b>     | *II        |            | I                        | II<br>*M *F |         |         |
| <b>Folk dance</b>        |            |            |                          |             | I       |         |
| <b>Group dance</b>       |            |            |                          |             | III     | III     |
| <b>Thiruvathirakkali</b> | I          |            | II                       | III         |         |         |
| <b>Pullamkuzhal</b>      | *III       |            | III                      |             |         |         |
| <b>Thabala</b>           |            |            |                          | III         |         |         |
| <b>Mappilappattu</b>     | A grade    |            |                          |             | III     | III     |
| <b>Mimicry</b>           |            |            | III                      |             |         |         |
| <b>English Drama</b>     | Best actor |            |                          |             |         |         |
| <b>Hindi Drama</b>       | Best actor | Best actor | Best drama<br>Best actor |             |         |         |

|  |            |                 |    |    |            |  |
|--|------------|-----------------|----|----|------------|--|
| <b>Skit</b>                                | II         | I with A grade  | II |    |            |  |
| <b>Recitation-Sanskrit</b>                 | II         |                 |    |    |            |  |
| <b>Recitation-English</b>                  | II         |                 |    |    |            |  |
| <b>Recitation – Malayalam</b>              | II         |                 |    |    |            |  |
| <b>Elocution-Sanskrit</b>                  | II         | III             |    |    |            |  |
| <b>Elocution - Hindi</b>                   |            |                 |    |    | III        |  |
| <b>Theruvunadakam</b>                      | A grade    | II with A grade |    | II | Best actor |  |
| <b>Mime</b>                                | A grade    |                 |    |    |            |  |
| <b>Script writing-Malayalam</b>            | A grade(2) |                 |    |    |            |  |
| <b>Malayalam Kavitha</b>                   | A grade    |                 |    |    |            |  |
| <b>English kavitharachana</b>              | A grade    |                 |    |    |            |  |
| <b>Hindi kavitharachana</b>                |            |                 |    |    | I          |  |
| <b>Script writing-Hindi-script writing</b> | I          | I               |    | I  |            |  |
| <b>Script-writing-English</b>              |            | I               |    |    |            |  |
| <b>Script writing-Malayalam</b>            |            | II              |    |    | III        |  |
| <b>Documentary writing-Hindi</b>           | I          |                 | I  |    |            |  |
| <b>Cinema criticism-Hindi</b>              | I          |                 | I  | II |            |  |
| <b>Film criticism</b>                      |            |                 |    |    | II         |  |
| <b>Essay writing-Hindi</b>                 |            |                 | I  |    |            |  |
| <b>Short story writing-Hindi</b>           |            |                 |    | I  |            |  |
| <b>Malayalam-poetry writing</b>            |            | II              |    |    |            |  |
| <b>Malayalam recitation</b>                |            | I               |    |    |            |  |
| <b>Aksharaslokam</b>                       |            |                 |    |    | III        |  |
| <b>Recitation-Urdu</b>                     |            |                 |    | II | III        |  |

|                   |         |     |  |     |   |     |
|-------------------|---------|-----|--|-----|---|-----|
| Light music       |         |     |  |     | I |     |
| Clay modelling    | A grade |     |  |     |   |     |
| Arabic recitation | A grade | III |  |     |   |     |
| Kadhaprasangam    | A grade |     |  |     |   |     |
| Jalachayam        | A grade |     |  |     |   |     |
| Caricature        |         |     |  | III | I | III |
| Embroidery        |         |     |  |     | I |     |

\*I – I Place ; \*II – II Place ; \*III – III Place ; \*M – Male ; \*F - Female

\*Nrithaprathibhapuraskaram was won by our student Aswini CP, in two consecutive years

\*3<sup>rd</sup> place in Hindi drama in South Zone Interuniversity Arts fest

## Sports

Through the years our students have brought laurels to the college by winning various sports events and competitions. The major achievements are enlisted here.

**Table 5.22 Achievements in sports - 2011-2012**

| Name                     | Event         | Achivement  |
|--------------------------|---------------|---|
| College team             | Softball      | Secured II place in the Kannur University Softball championship                                     |
| College team             | Volleyball    | IV place in the Kannur University Intercollegiate Volleyball championship                           |
| Mr. Robin Francis        | Athletics     | Secured I place in Triple jump and second place in long jump in the Kannur University Athletic meet |
| Nibin P.M                | Best Physique | Secured II place in the Kannur University Best Physique Competition.                                |
| Mr.Amalbhasker           | Volleyball    | Represented Kerala state youth volleyball championship.   |
| Mr. AshamilShaz Mohammed | Volleyball    | Selected to Kannur University Volleyball team to represent south zone volleyball tournament.        |
| Mr.Jubair,               | Softball      | Selected to Kannur University Softball team to represent for the Intervarsity tournaments.          |
| Mr. Subin Kumar P.S      | Softball      | Selected to Kannur University Softball team to represent for the Intervarsity tournaments.          |
| Mr.Sibi George           | Softball      | Selected to Kannur University Softball team to represent for the Intervarsity tournaments           |
| Arun Mohan               | Softball      | Selected to Kannur University Softball team to represent for the Intervarsity tournaments           |

**Table 5.23 Achievements in sports - 2012-13**

| Name        | Event      | Achivement  |
|-------------|------------|---|
| Amalbhasker | Volleyball | Selected to Kannur University Volleyball team to represent south zone volleyball tournament |
| Vipindas V  | Volleyball | Selected to Kannur University Volleyball team to represent south zone volleyball tournament |

|               |            |   |
|---------------|------------|---|
| Abhinav T     | Volleyball | Junior state representation                 |
| Arun M        | Volleyball | Junior state representation                 |
| Vipindas      | Volleyball | Junior state representation                 |
| Athul KP      | Volleyball | Youth state representation                  |
| Abdul basith  | Volleyball | Youth state representation                  |
| Shijil Raj    | Softball   | Selected to Kannur University Softball team |
| Dhanjith CP   | Softball   | Selected to Kannur University Softball team |
| Jubair        | Softball   | Selected to Kannur University Softball team |
| Sibi George   | Softball   | Selected to Kannur University Softball team |
| JithinUthaman | Swimming   | Selected to Kannur University Swimming team |
| Ashraf K C    | Softball   | Selected to Kannur University Softball team |

**Table 5.24 Achievements in sports - 2013-14**

| Name          | Event      | Achivement   |
|---------------|------------|--|
| AmalBhaskar   | Volleyball | Represented Kannur University 2012- 2013.<br>Represented WayanadDist in the Sr State Volleyball Championship 2013-14.                  |
| Abdul Basith  | Volleyball | -Represented Kannur Dist in the State Youth Volleyball championship 2012-13, 2013-14.  |
| Prajeesh KV   | Volleyball | -Represented Kannur university Volleyball Team 2013-14<br>-Represented Kannur Dist in the State youth Volleyball Championship 2013-14. |
| Abhinav T     | Volleyball | -Represented Palakkad Dist in the State Youth Championship 2013-14.  |
| Sujith MV     | Volleyball | -Represented Kannur Dist in the State Jr Volleyball Championship 2013-14.  |
| Jamshad K     | Softball   | Selected to Kannur University Softball team 2013-14.   |
| JithinUthaman | Swimming   | Selected to Kannur University Swimming team 2013-14.   |

**Table 5.25 Achievements in sports - 2014-15**

| Name          | Event      | Achivement  |
|---------------|------------|---|
| Mubasheer KP  | Volleyball | Represented Kannur university Volleyball Team 2014-15                       |
| Akhil M       | Volleyball | Represented Kannur university Volleyball Team 2014-15                       |
| Mubasheer KP  | Volleyball | Represented Kannur Dist in the State Youth Championship 2014-15             |
| Vijesh PP     | Volleyball | Represented Kannur Dist in the State Youth Championship 2014-15             |
| Abhijith Raju | Volleyball | Represented Kannur Dist in the senior State volleyball Championship 2014-15 |
| Abhinav T     | Volleyball | Represented Kannur Dist in the senior State volleyball Championship 2014-15 |

|                   |          |   |
|-------------------|----------|---|
| Basheer U         | Softball | Represented Kannur university softball Team 2014-15 |
| Rahul U           | Softball | Represented Kannur university softball Team 2014-15 |
| Salman Farish     | Softball | Represented Kannur university softball Team 2014-15 |
| Amaljith PS       | Softball | Represented Kannur university softball Team 2014-15 |
| Muhammed Fayis KP | Softball | Represented Kannur university softball Team 2014-15 |
| JithinUthaman     | Swimming | Selected to Kannur University Swimming team 2014-15 |
| Divek Thomas      | Swimming | Selected to Kannur University Swimming team 2014-15 |

**Table 5.26 Achievements in sports - 2015-16**

| Name           | Event      | Achivement   |
|----------------|------------|--|
| Mubasheer KP   | Volleyball | Represented Kannur university Volleyball Team 2015-16  |
| Vijesh K       | Volleyball | Represented Kannur university Volleyball Team 2015-16  |
| JishnuGireesh  | Volleyball | Represented Kannur university Volleyball Team 2015-16  |
| Aswanth P      | Volleyball | Represented Kannur university Volleyball Team 2015-16  |
| Salman Farish  | Softball   | Represented Kannur university softball Team 2015-16    |
| Amaljith PS    | Softball   | Represented Kannur university softball Team 2015-16    |
| Jimith PK      | Softball   | Represented Kannur university softball Team 2015-16    |
| Basheer U      | Softball   | Represented Kannur university softball Team 2015-16    |
| RinjuChandroth | Softball   | Represented Kannur university softball Team 2015-16    |
| Basheer U      | Handball   | Selected to Kannur University Handball team 2015-16    |
| Amaljith PS    | Handball   | Selected to Kannur University Handball team 2015-16    |
| Mubasheer KP   | Volleyball | Selected to Kannur Dist. Youth Volleyball team 2015-16 |
| Rashid M       | Volleyball | Selected to Kannur Dist. Youth Volleyball team 2015-16 |
| Aswanth        | Volleyball | Selected to Kannur Dist. Youth Volleyball team 2015-16 |
| Amal Mathew    | Volleyball | Selected to Kannur Dist. Youth Volleyball team 2015-16 |
| Mubasheer KP   | Volleyball | Selected to Kannur District Senior Volleyball team     |

|          |            |  |
|----------|------------|--|
| Vijesh K | Volleyball | Selected to Kannur District Senior Volleyball team |
|----------|------------|--|

**Table 5.27 Sports achievements - National level 2016-2017**

| Name           | Event    | Achivement  |
|----------------|----------|---|
| Salman Farish  | Softball | Participated in the Softball IPL tournament held at Delhi. Secured second place in the South Zone National Softball tournament held at Hyderabad. |
| RinjuChandroth | Softball | Participated in the Softball IPL tournament held at Delhi.  |
| Amaljith PS    | Softball | Participated in the Softball Senior National Championship held at Chennai. Also selected for National Games 2017-2018 at Goa.                     |

**Table 5.28 Sports achievements 2016-2017 Volleyball**

| Name            | Event      | Achivement   |
|-----------------|------------|--|
| JishnuGireesh   | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Amal Mathew     | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Jyothish PK     | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Aswanth K       | Volleyball | Kannur University Intercollegiate Volleyball team member |
| ShijinShaji     | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Muhammed Subair | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Arun MS         | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Abdul Junaid    | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Akhil P         | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Adarsh CJ       | Volleyball | Kannur University Intercollegiate Volleyball team member |
| AnanduChandran  | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Akhil V         | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Amal Mathew     | Volleyball | Selected to Kannur university Volleyball Team 2016-17    |
| JishnuGireesh   | Volleyball | Selected to Kannur university Volleyball Team 2016-17    |
| Aswanth P       | Volleyball | Selected to Kannur university Volleyball Team 2016-17    |



**Table 5.29 Achievements in Hand ball - 2016-2017**

| Name           | Event    | Achievement  |
|----------------|----------|--|
| Fayis KP       | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Rinjuchandroth | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Amaljith PS    | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Salman Farish  | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Jimith PK      | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Hiran E        | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| AmalBabu       | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| ArunBabu       | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Akhil K        | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Athul Prakash  | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Arun           | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Rijil PK       | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Fayis KP       | Handball | Selected to Kannur University Handball team 2016-17            |
| Rinjuchandroth | Handball | Selected to Kannur University Handball team 2016-17            |

**Table 5.30 Achievements in Chess, Wrestling & Judo 2016-2017**

| Name          | Event     | Achievement  |
|---------------|-----------|--|
| Salman Farish | Chess     | Selected to Kannur University Chess team 2016-17   |
| Delvin Joseph | Wrestling | Secured Silver medal in the Kannur Uty Intercollegiate wrestling 65 kg category                  |
| Sruthimol     | Judo      | Secured silver medal in the Kannur dist. Judo Championship. Represented State Judo championship. |

**Table 5.31 Players selected to Kannur Dist. youth volleyball team 2016-17**

| Name          | Event      | Achievement  |
|---------------|------------|--|
| Aswanth K     | Volleyball | Selected to Kannur Dist. Youth Volleyball team 2016-17 |
| JishnuGireesh | Volleyball | Selected to Kannur Dist. Youth Volleyball team 2016-17 |
| Amal Mathew   | Volleyball | Selected to Kannur Dist. Youth Volleyball              |

|              |            |  |
|--------------|------------|--|
|              |            | team 2016-17   |
| Jyothish PK  | Volleyball | Selected to Kannur Dist. Youth Volleyball team 2016-17       |
| Shijin S     | Volleyball | Selected to Kannur District Senior Volleyball team 2016-17   |
| Mr. Arun MS  | Volleyball | Selected to Wayanad District Youth Volleyball team 2016-17   |
| Adarsh C J   | Volleyball | Selected to Kannur District Junior Volleyball team 2016-17   |
| Amal Mathew  | Volleyball | Selected to Kannur District senior Volleyball team 2016-17   |
| Mubasheer KP | Volleyball | Selected to Kannur District senior Volleyball team 2016-17   |
| Shijin S     | Volleyball | Selected to Palakkad District senior Volleyball team 2016-17 |

**Table 5.32 Achievements in Softball Men 2016-2017**

| Name                | Event    | Achievement  |
|---------------------|----------|--|
| Fayis KP            | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Rinjuchandroth      | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Amaljith PS         | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Salman Farish       | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Jimith PK           | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Hiran E             | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| AmalBabu            | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| ArunBabu            | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Arun K              | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Athul Prakash       | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Vipin EK            | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Vipin PK            | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Jaganath            | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Jishnu Ramachandran | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Aswanth K           | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Amaljith PS         | Softball | Selected to Kannur University Softball team for                |

|               |          |  |
|---------------|----------|--|
|               |          | All India Interuniversity tournament 2016-17   |
| Salman Farish | Softball | Selected to Kannur University Softball team for All India Interuniversity tournament 2016-17 |
| Jimith PK     | Softball | Selected to Kannur University Softball team for All India Interuniversity tournament 2016-17 |
| Hiran E       | Softball | Selected to Kannur University Softball team for All India Interuniversity tournament 2016-17 |

**Table 5.33 Achievements in Softball Women 2016-2017**

| Name             | Event    | Achievement  |
|------------------|----------|--|
| Sruthimol C      | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| TheerthaSatheesh | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Veena KK         | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Vidya Vilasini   | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Sandra KK        | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Nithya VV        | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Anupriya K       | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Shipla K         | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Anusree v        | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Swathi K         | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Aswani K         | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Asharaya KK      | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Gayathri V       | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Arsha K Tom      | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Vandana KV       | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Aswani K         | Softball | Selected to Kannur University Softball team for All India Interuniversity tournament 2016-17 |

**5.3.2 Furnish the details of major student achievements in cocurricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.**

Students of the college have brought laurels by their exemplary performance at various levels of competitions. The NSS and NCC units have made significant achievements by doing justice to their missions.

\*Cultural Programmes- Achievements of students in Kannur University youth festival refer Table 5.22

**Table 5.34** Achievements of NCC

| Year    | Name                  | Rank | Class            | Achievement   |
|---------|-----------------------|------|------------------|---|
| 2012-13 | Ratheesh M            | SGT  | Open Quota       | Attended ThalSainik Camp Boys at New Delhi  |
|         | AswathiRamachandran   | CPL  | BA English       | Represented her Directorate at the annual N C C Republic day Camp and the Prime ministers Rally held at New Delhi |
| 2014-15 | Jishnu K              | CQMS | B.Com            | All India adventure trekking camp at Dibrugah, Assam.   |
|         | Vishnu P K            | CSM  | B.Sc Zoology     | All India adventure trekking camp at Dibrugah, Assam.   |
|         | P C Pranav            | U/O  | B.S c Chemistry  | National Trekking camp at Tirupathi Andhra Pradesh  |
|         | AnilaAnandan          | U/O  | BA English       | National Integration camp at Calicut  |
|         | Pranav O N            | SUO  | BA English       | Special national integration camp at Dimapur, Nagaland  |
|         | Sonu A                | SGT  | B.Com            | National Trekking camp at Malayatoor  |
|         | Lineesh M P           | U/O  | B.Sc physics     | Special national integration camp at Dimapur, Nagaland  |
|         | Manu                  | SGT  | BA English       | Thalsainik camp at New Delhi  |
| 2016-17 | Akhil M V             | SUO  | B.Sc Mathematics | National Trekking camp at Madhya Pradesh  |
|         | Rashida Radhakrishnan | U/O  | B.Sc Physics     | National Integration camp at Calicut  |

|  |               |      |               |   |
|--|---------------|------|---------------|---|
|  | Asraya        | SGT  | BA Hindi      | ThalSainink camp at New Delhi ( The first girl cadet who qualifies the TSC in the history of P R N S S)           |
|  | Gayathri V    | SGT  | B A Economics | RDC, Inter group competition at Trissur   |
|  | Anirudh Mohan | U/O  | B.Sc Zoology  | National Trekking camp at Malayattoor   |
|  | Athulya T K   | SGT  | B A Economics | National Integration Camp at Odisha   |
|  | Bhavya K      |      | BA Economics  | Represented her Directorate at the annual N C C Republic day Camp and the Prime ministers Rally held at New Delhi |
|  | VivekAlora    | CQMS | B.Sc Physics  | National Integration camp at Gaziabad, New Delhi  |
|  | Noble Thomas  | SGT  | B. ScMaths    | RDC Prime ministers Rally at New Delhi  |

**Table 5.35 Major activities and achievements of NSS**

| Year    | Major activities and achievements  |
|---------|--|
| 2010-11 | <ul style="list-style-type: none"> <li>Adoption of tribal colony at Veliyambra.</li> </ul>   |
| 2011-12 | <ul style="list-style-type: none"> <li>Formed an Anti-drug unit.</li> <li>Worked in the adopted colony to enhance their social and educational status.</li> <li>Decided to construct a house for Kabeer at Kaloore Colony under home for homeless scheme as directed by the university.</li> </ul>   |
| 2012-13 | <ul style="list-style-type: none"> <li>Fund given to kidney patient.</li> <li>Donated a wheel chair to a needy.</li> <li>Key of the newly constructed house was handed over to Mr.Kabeer and his family.</li> <li>Blood donation at Pariyaram medical college and Malabar Cancer Centre.</li> <li>Soap making training with the support of sashtrasahithyaparishath.</li> <li>Inauguration of Kerala ShasthraSahithyaParishath campus samithi</li> <li>Built one more house during 12-13 period under</li> </ul> |

|         |  |
|---------|--|
|         | <p>sahapadhikkoruveedu programme and the key was handed over to Santhosh and his mother.</p> <ul style="list-style-type: none"> <li>• Best NSS programme officer Kannur University --SajiKurup unit no:28</li> <li>• Best NSS volunteer Kannur University and Best NSS volunteer Kerala state award Sujesh.</li> </ul>   |
| 2013-14 | <ul style="list-style-type: none"> <li>• Built 1 house forPrabina, student of economics under SahapadhikkoruVeedu.</li> <li>• Best NSS programme officer Kannur University --Reena Unit No: 29.</li> </ul>   |
| 2014-15 | <ul style="list-style-type: none"> <li>• Mass Drug administration programme as a part of eradication of elephantiasis and polio.</li> <li>• Blood donors' directory was prepared as a part of red ribbon club programme.</li> <li>• Anti tobacco rally at Mattanur</li> </ul>  |
| 2015-16 | <ul style="list-style-type: none"> <li>• A house constructed at Cut and Cover to Smt.Preena.</li> <li>• 600 m road to Nelliyaad tribal colony was made as Sramadan during special camp at Pala Govt H.S.S Kakkayangadu.</li> <li>• In collaboration with Alabama Eye Care Centre, Kannur a free eye care camp was organised.</li> </ul>  |
| 2016-17 | <ul style="list-style-type: none"> <li>• Handed over Rs 10000/- to university coordinator which was collected by the volunteers as a part of Onathinoruveedu programme of Kannur University NSS.</li> <li>• LaharivirudhaBodhavalakkaraana rally was conducted in association with Manas on 2<sup>nd</sup> October</li> <li>• Conducted a health survey at Panichery and Devarkad wards and also conducted free kidney defect detection and eye care camp as a part of ManavaKarunyaYathra.</li> <li>• Donated 61000 /- collected as treatment aid fund for 4 cancer patients 3 kidney patients and 1 heart patient.</li> <li>• Blood donation forum and organ donation forum was formed in association with NSS alumni voluntary organisation 'Manas'.</li> </ul> |

### 5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

- IQAC conducts an annual quality survey among the students regarding the performance of the college. It gives an evaluative perception of activities done for the betterment of the college community. It is instrumental in chalking out various programmes for students.
- At present the college don't have a formal mechanism to collect feedback from the employers. Informal communications are done regarding the performance of our students in various offices.

### 5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

- College magazine is published annually under the leadership of the College Union. Articles are invited from the college community. The articles are scrutinised and published in the college magazine.
- The college has an annual publication, 'Impressions', showcasing the activities done in the academic year.
- In addition to these publications, departments publish wall magazines, manuscript magazines annually or in association with various activities of the department.
- Department of Zoology has an annual newsletter, Skylark showcasing the departmental activities in an academic year.

\*List of publications is given in table 5.2

### **5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.**

The Students' Union is formed in the college, every academic year through democratic parliamentary mode of election system. A Returning Officer is appointed by the Principal as per the recommendations of the College Council, and elections are conducted as per the guidelines of Lyngdoh Commission. The Students Union consists of Chairman, Vice Chairman, General Secretary, University Union Councillors (2 in number), Magazine editor, Arts Club secretary, General Captain, Degree representatives and Association Secretary from each department. A Union Advisor is selected by the staff council, who guides the activities of the Students' Union.

The major activities of the Union in the college are:

- Organization of Annual Sports Meet
- Conduct of Fine Arts Festival
- Publication of College Magazine
- Selecting and supporting students for university youth festival
- Facilitating the various programmes undertaken by the college
- Observance of important days

### **5.3.6 Give details of various academic and administrative bodies that have student representatives on them.**

Students have representation in:

- IQAC Students' wing
- Kannur University Union
- Student Affairs Committee
- Women's cell

### **5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution?**

A forum of former teachers is constituted. This forum helps to be in touch with the former faculties and use their expertise for the benefit of students.

**\*\*Any other relevant information regarding Student Support and Progression which the college would like to include.**

Nil



## CRITERION VI

### GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 Institutional Vision and Leadership

**6.1.1 State the vision and mission of the institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?**

##### The vision

- **To excel in quality and ensure equity in the field of higher education**

Since "quality" is a multifaceted concept which needs to be understood in its entirety, the college has attempted to assimilate it in the proper perspective. It has both product related as well as process related aspects. Various agencies like the Ministry of Human Resources Development, University Grants Commission, State Government, Kannur University and the college management has their own stipulations and benchmarks for determining quality and the college is the premise where such varied concepts coalesce and materialize in the form of an actual transaction of an educational agenda. While formulating the processes for achieving quality the college has always tried to ensure that the principle and practice of "equity" is upheld so that our attempts ultimately contribute to the bridging of the economic and social divide existing in the society.

##### The mission

- **To cater to the needs and aspirations of higher education in a just and equitable manner,**
- **To produce and disseminate critical knowledge and scientific wisdom,**
- **To fulfill the pedagogic needs of the region,**
- **To recognize and promote latent talents and special skills of students,**
- **To consistently aim for quality and uncompromised enquiry,**
- **To uphold democratic and multicultural values as the basis of higher education,**
- **To serve the national vision and aspirations from a regional platform.**

**Table 6.1** Mission statement and institution's characteristics

| Mission statement   | Institution's characteristics   |
|---|---|
| <b>To cater to the needs and aspirations of higher education in a just and equitable manner</b> | 1. Developing a comprehensive understanding of the principles and the aims and objectives of higher education so as to carve out an all-inclusive, balanced and ideologically sound institutional plan of action.<br>2. Assimilating the principles of social justice and equity pertaining to higher education and inculcating such values, principles and practices in the institutional plan of action.<br>3. Compliance with the rules, regulations and practices lay down by the UGC, the State Government and the University from time to time for ensuring a just and equitable admission process. |
| <b>To produce and disseminate critical knowledge and</b>  | 1. Ensuring that the teachers are properly oriented, trained and given sufficient opportunities to update their knowledge base and critical faculties.  |

|   |  |
|---|--|
| <b>scientific wisdom</b>  | <p>2. Ensuring that proper classroom practices and critical pedagogic strategies are employed for dissemination of knowledge.</p> <p>3. Ensuring that the students are encouraged to practice critical evaluation of the existing knowledge systems with a scientific temper so as to pave the way for the creation of new knowledge.</p> <p>4. Ensuring that there are sufficient open avenues for the creation of new knowledge within the academic practices conceived by the college.</p>                                |
| <b>To fulfill the pedagogic needs of the region</b>                                   | <p>1. Ensuring that the regional needs are taken into consideration while applying for new courses.</p> <p>2. Ensuring that the regional needs are taken into consideration while designing add on courses.</p> <p>3. Ensuring that the local socio-political and cultural ambience is taken into consideration while designing classroom practices and other curricular and extra-curricular transactions.</p>  |
| <b>To recognize and promote latent talents and special skills of students</b>         | <p>1. Conducting in-house training programs and talent recognition fetes for recognizing various kinds of talent.</p> <p>2. Providing ample avenues for the students for expressing their talents and skills in various fields.</p> <p>3. Providing opportunities for the expression and development of literary, artistic, theatrical, social, and leadership capabilities.</p> <p>4. Maintaining a multi-faceted campus atmosphere for the personality development of the students.</p>                                    |
| <b>To consistently aim for quality and uncompromised enquiry</b>                      | <p>1. Putting in place checks and balances for maintaining a healthy and productive transaction and critical appreciation of extant knowledge systems.</p> <p>2. Recognizing, encouraging and giving sufficient opportunities for the articulation and the application of the critical faculties of the students.</p>  |
| <b>To uphold democratic and multicultural values as the basis of higher education</b> | <p>1. Encouraging the social, political and cultural initiatives of the students.</p> <p>2. Sensitizing the teachers and students about the various kinds of discriminatory and politically incorrect attitudes and pronouncements.</p> <p>3. Inculcating a respect for diverse cultural practices and subjectivity formations among the teachers and the students.</p> <p>4. Respecting the right to organize, express ideas and form public opinion on matters concerning the institution, the nation and the society.</p> |
| <b>To serve the national vision and aspirations from a regional platform</b>          | <p>1. To constantly associate institutional endeavors and classroom practices with the larger process of nation building.</p> <p>2. To uphold scientific temper in all academic and extra-curricular undertakings.</p> <p>3. To recognize, permit and value the spirit of enquiry and its manifestations in various forms.</p>   |

### 6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The institution is one among the 17 Arts and Science colleges managed by the Nair Service Society (NSS), a prominent educational agency in Kerala founded by Padmabhooshan Sri. Mannathu Padmanabhan. The Management, Principal and faculty play pivotal role in the design and implementation of quality policy and plans.

- At the top management level we have **The NSS Executive Council** headed by the General Secretary at the apex and is the main decision making body. **The NSS Colleges Central Committee** which functions under NSS Executive Council monitors the academic and non-academic activities of the institution. The manager summons meeting of Principals twice a year to plan and implement the policies for quality enhancement and infrastructural development of the institutions.
- At the local level, college has a Development Committee, constituting representatives of N S S Directors Board, N S S Taluk Union President, Principal and prominent personalities of the society to monitor the infrastructural development of the college.
- At the institutional level, the college council comprises of the Principal, HODs of various departments, teachers' representatives, Superintendent of the administrative office and Librarian meets to plan and review the regular functioning of the college. The decisions taken by the top management committee are executed by the Principal after discussions and approval of the college council.
- The college IQAC plays a pivotal role in framing the policies with the help of management representatives and other external members. IQAC sets the quality bench marks and ensures the quality of all curricular and co-curricular activities in the college.
- Faculty meetings are conducted to discuss academic matters and issues related to administration. Implementation of new policies is executed with the cooperation of HODs, faculty members and non-teaching staff.
- The suggestions of Student council consisting of staff advisors and college union representatives and the student IQAC are taken into consideration while framing and modifying policies.

### 6.1.3 What is the involvement of the leadership in ensuring?

- **the policy statements and action plans for fulfillment of the stated mission**

The leadership works with the support of IQAC, College Development Committee and College Council to formulate well defined policy statements and action plans. The periodic review meetings strengthen the process towards the fulfillment of the stated mission.

- **formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**

The NSS management has a well structured educational system and plan with a long term vision in enhancing the quality of the educational institutions under its management. The management offer timely support and guidance to the Principal for the smooth functioning of the institution. The Principal with the approval of the college council incorporates the plans into the institutional plan. Major responsibility to implement those plans is entrusted to the HODs who execute them with the cooperation of members of the department.

- **Interaction with stakeholders**

The college has a cordial relationship with all stakeholders - parents, alumni and the society. Various interactive programmes under the leadership of management and the Principal

include,

- Induction programme conducted by IQAC for the freshers to acquaint them with institutional vision and mission and the facilities in the campus.
- The PTA acts as an advisory body and intervenes in every activity of the institution. The PTA general body meeting is convened once and class-wise PTA meetings are held twice in an academic year.
- The departments conduct regular alumni meetings and distinguished alumni are invited to interact with the students.
- Annual planning and evaluation meetings of the faculty are conducted
- Regular IQAC meetings are convened
- Extension activities are taken up by all the departments as a part of institutional social responsibility.
- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**
  - The need assessment is done by the periodic sitting of various committees in the college like Purchase committee, Library committee, Instrument maintenance committee, Hostel committee, Research cell, Student council, Faculty council and Administrative council.
  - Every year student feedback is taken on various criteria related to institution, department, curriculum and teacher. The analysis of student feedback forms the basis of future plans.
  - The IQAC interacts with the students, faculty and parents and their needs and aspirations are given priority in policy formulation and implementation.

Some of the prominent resolutions taken up on the basis of need assessment are the posting of Computer tutor, temporary lab staffs, fund allotment to instrumentation maintenance etc.

- **Reinforcing the culture of excellence & champion organizational change**

To reinforce the culture of excellence and champion organizational change, the policy statements and action plans are formulated based on feedback from the stakeholders. Management always takes keen interest to improve the physical facilities of the college. The Principal and the staff members cater to the implementation of each and every aspect of the strategy by introducing following reforms,

- Infrastructural reforms
- Teaching – learning reforms.
- Innovative programmes for the holistic development of students under various clubs and forums.
- Practices to uphold environmental consciousness among stakeholders

#### **6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?**

The institution adopts various procedures to monitor and evaluate its policies and plans for effective implementation and improvement from time to time. The most effective ones are the periodic evaluations and reviews conducted at various levels and by different bodies:

- Principals meeting with the Management.
- IQAC meeting.
- College academic council meetings.
- Periodic meetings of various committees like, UGC cell, research cell, library committee, planning board, infrastructure committee etc.
- Interaction with the stakeholders like students, parents and alumni.

- Feedback from stakeholders.

### 6.1.5 Give details of the academic leadership provided to the faculty by the top management?

- The NSS is a corporate management taking lead role in promoting the aided sector in education thereby supporting the society and their educational requirements. The management is playing a pivotal role in formulating the higher education policies of the state through negotiations with political parties and government.
- The college level academic exercises are properly guided and monitored by NSS Colleges' Central Committee under the leadership of efficient and experienced academicians and administrators.
- Principals' conferences, college level academic interactions, visits and meetings of staff organizations are periodically convened to assess the activities of colleges.
- Proper communication is given to activate the academic and administrative processes and feedbacks are taken for assessment.
- Performance of the departments and results are analyzed and necessary instructions are given for improvement. Matching grants are being given to meet the contingencies.
- The IQAC including management representative plays a key role in formulating and implementing quality enhancement measures.
- The management promotes the research activities of teachers. The faculty is encouraged to avail FIP, participate in orientation programme, refresher courses, seminars, workshops etc.

### 6.1.6 How does the college groom leadership at various levels?

- NSS Colleges' Central Committee functions under the NSS Executive Council headed by the General Secretary, who is a renowned leader and social reformer.
- Principal leads the institution with the assistance of College Council.
- The HOD's take a lead role in the administration of the department.
- Each faculty is in charge of a class and act as a mentor of that class.
- Various clubs and forums functioning under the auspices of the department are led by student coordinators.
- The College Union and Department Association activities are undertaken by the elected student representatives under the guidance of teachers.
- The college office is administered by the superintendent.

### 6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

The delegation of authority and provision of operational autonomy are implemented by decentralizing the governance.

- **Academic Decentralization:** The college council frames academic policies and programmes based on the existing rules and regulations. The council nominates the members to various committees. The important committees are Academic committee, Research cell, Library advisory committee, Tutorial committee and the Internal assessment committee. The Academic committee designs the college academic calendar and also schedules the curricular activities. Departments prepare departmental calendar in tune with the college calendar. Academic committee carries out periodic review of the activities and the report is submitted to the Principal along

with the recommendations and suggestions. Committees are also functioning to carry out different co-curricular and extracurricular activities. The system mobilizes and exploits individual and collective potentialities to improve the quality of education.

- **Administrative Decentralization:** The Principal is the administrative head of the institution and monitors the administrative work. The office is headed by a Senior Superintendent under whom the head accountant, clerks, typists and last grade staff are functioning. The college council also advises the principal in carrying out different administrative works. Permanent committees like Grievance redressal cell, Election committee, Admission committee, Anti-ragging and ethics committee, Discipline and Student Affairs committee and Purchase committee supports the administrative functioning.
- **Finance decentralization:** - Financial sources to the college are from The Kerala Govt., UGC, University, NSS management and college level organizations like PTA, Alumni association. Principal is wholly responsible in sanctioning and utilizing the funds and sharing of powers in this regard is limited. However for the utilization of funds other than salary and examination, the advice of the council, IQAC, purchase committee and infra structural committee is taken in to account.

Funds of the PTA and Alumni associations are utilized only with the concurrence of respective executive committees. Laboratory funds are used as per the recommendations of the HODs. The library funds are used as per the directions of Library advisory committee. The UGC funds are utilized as per the guidelines of UGC, recommendations of the council and by the approval of the Planning Board.

Budgets are prepared for Govt. accounts and management accounts separately by the Principals office and forwarded to the office of the Deputy Director of Collegiate Education and the management respectively.

The parents, alumni and teachers support the college to improve the quality of educational provisions. PTA fund is collected at the time of admission and is used for improving the infrastructure and to support academic activities. Alumni support the infrastructural developments and co-curricular activities

#### 6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.

- Participative management is promoted at all levels. The NSS management gives functional autonomy to the institution.
- The Management Council, Academic Council, Faculty Council and Student Council ensure that the students and the faculty are constantly involved in the day today functioning of the institution.
- In the existing situation Principal is the primary authority controlling the academic and administrative matters.
- Principal delegates duties and responsibilities to HODs and to various committees for the effective execution of work.
- IQAC does the planning and evaluation for the college.
- Co-curricular and extracurricular activities are coordinated autonomously by the faculty members with the assistance of the student representatives, in consultation with the Principal.
- The Principal convenes meeting of teaching/non-teaching/students union/PTA/alumni etc. Their views and opinions are taken into consideration and given prime importance while planning for the future.



## 6.2 Strategy Development and Deployment

### 6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Yes. The vision itself, “To excel in quality and to ensure equity in the field of higher education” states our policy on quality. Based on the broad parameters of our vision and mission, IQAC drafts the quality policy considering suggestions from management, college council and staff members. The final version approved by the college council is communicated to the stakeholders. The institution stands for academic excellence, skill development and character formation of all our students.

The institution has evolved a mechanism to generate, augment, maintain and monitor the quality through different programmes like,

- Formulating teaching plan according to the academic calendar and ensuring the implementation maintaining work diary.
- Transparent internal evaluation.
- Timely result reviews and remedial actions.
- Efforts to sustain excellence in sports and extracurricular activities.
- Collection and analysis of feedback from stakeholders

### 6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

The institution has a perspective plan for development. The IQAC, the Academic committees and Planning board take up the responsibility of preparing the annual academic plan as well as long term action plan for the institution.

#### Action Plan

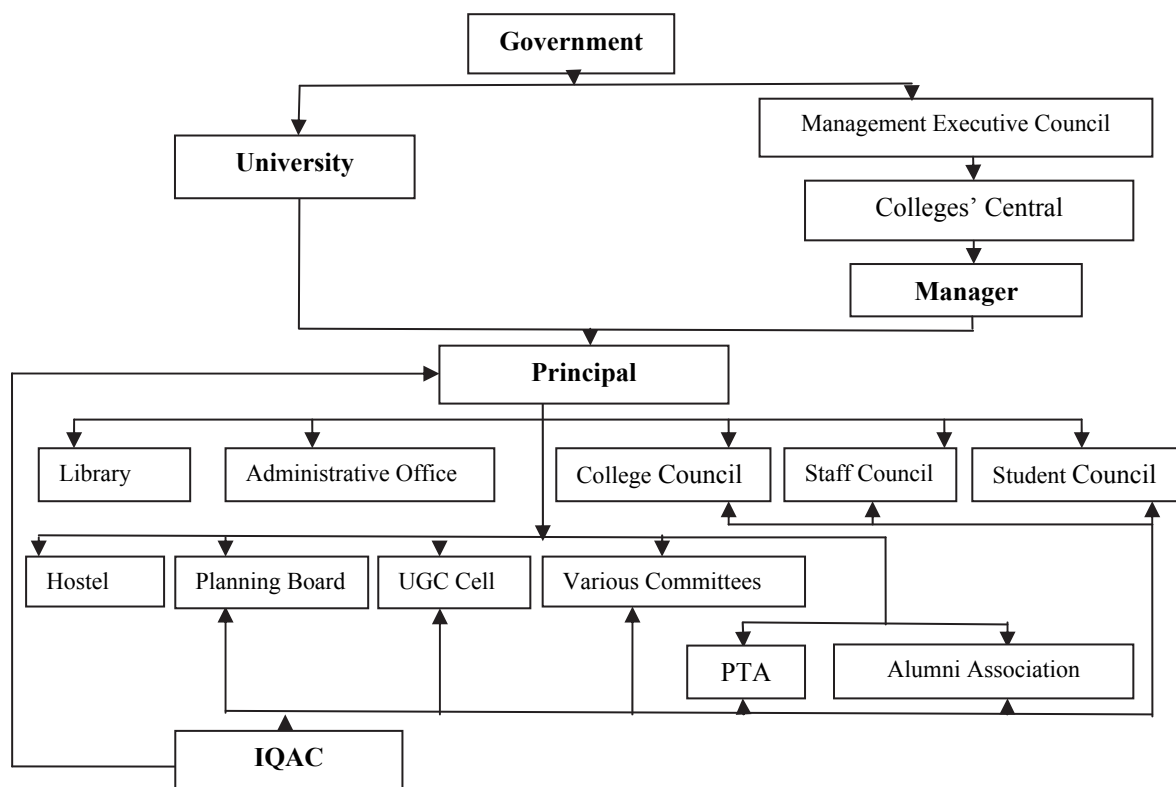
**Table 6.2** Institutions perspective plan for development

| Strategic Plan   | Critical Activities   | Objectives   | Expected Results   |
|--|---|--|--|
| Infrastructure development – Construction/ Minor civil works | 1. Central Library Building<br>2. Administrative Block<br>3. PG Block<br>4. Modernization of science laboratories, computer labs and departmental libraries<br>5. Ladies and Men’s hostel | Expansion of existing facilities for better learning and administrative facilities for the holistic development of college community | Institutional strengthening, improvement in learning outcome and better management                         |
| Adequate number of smart class rooms                         | Equipments and furniture for smart class room   | To make available advanced learning facilities in the class room   | Improvement in ICT learning  |
| Introduction of PG Programmes                                | Administrative and academic approval  | To increase opportunities for higher studies   | Institutional strengthening, increased enrollment for research and improvement in research and consultancy |



|  |  |  |   |
|--|--|--|---|
| Research facilities                              | 1.Research centre in various departments<br>2.Purchase of equipments<br>3.Subscription for scientific journals   | Improvement in research and consultancy  | Institutional strengthening, increased research output and consultancy services |
| Technology                                       | 1.IT Section<br>2.Purchase of equipments and furniture<br>3.EDUSAT<br>4.Wi-Fi campus   | Improvement in ICT learning and distance education   | Institutional strengthening and improvement in learning outcome                 |
| Workforce needs                                  | 1.Introduction of add-on courses<br>2.Certificate programmes<br>3.Training programmes for skill development  | To improve employability   | Improvement in learning outcome and increase in employability                   |
| Partnership Programmes                           | Partnership with industries to provide skilled work force  | Training programmes for skill development in partnership with industries   | Increase in employability by creating work force                                |
| Faculty and staff development programmes         | 1.Orientation programmes<br>2.Refresher courses<br>3.Training<br>4.FDP/Higher studies<br>5.Seminar/Workshop  | Provide opportunities to the faculty to update themselves with the current developments in their field of expertise, Training for non teaching staff | Institutional strengthening and improvement in learning outcome                 |
| Alternative energy issue                         | Solar power plant  | Reduce the consumption of conventional energy source   | Inculcate green consciousness   |
| Management information system                    | 1.Equipments<br>2.Connectivity<br>3.Software<br>4.Training   | Well organized and coordinated administration  | Institutional strengthening and planning  |
| Finishing school for SC/ST/Minority/Weaker class | 1. Courses on English Communication & IT.<br>2. Organize Youth camps.<br>3. Conduct mock placement tests and interviews<br>4. Impart vocational training for students interested in the preparation of value added products from readily available crop plants such as Areca nut, coconut, pepper, ginger and Cashew.<br>5. Establish linkage with Industries to provide placement for students.<br>6. Organize programs related to career development and higher education opportunities. |  | Improvement in learning outcome and increase in employability                   |

### 6.2.3 Describe the internal organizational structure and decision making processes.



Our institution is a Government aided Arts and Science College owned and managed by Nair Service Society, a pioneer educational agency in Kerala. Appointment, promotion and transfer of staff are made centrally by the management and are approved by the University and Government. Government funding is the major source of income. Management and PTA also provide finance based on requirements. The academic matters are decided by the University.

The NSS executive council and Colleges' Central Committee instruct the Principal in coordinating the academic and administrative activities. Principal is given necessary guidelines by these bodies regarding the financial matters.

#### The College Council

The college has a statutory council headed by the Principal and represented by HODs, two elected representatives of teachers, superintendent of the administrative office and the librarian. The council meets at regular intervals to plan and review the functioning of the college. The college level programmes are organized by various cells and forums as per the

recommendations of the college council. The HODs undertake the responsibilities of departmental activities including admission, work allotment, curricular and co-curricular activities

#### **Internal Quality Assurance Cell**

IQAC ensures the excellence of the institution by the enhancement and sustenance of quality. Major activities of IQAC includes academic planning, monitoring and documentation of all events in the college, preparation of AQAR and organizing professional development programmes for faculty as well as non-teaching staff.

#### **Faculty council**

Faculty meetings are conducted to discuss academic matters and issues related to administration. The recommendations of faculty council are finalized in the college council.

#### **PTA**

Annual general body meeting of PTA elects the parent representatives of the executive committee. Budget for the academic year is prepared by considering the feedback from the parent community. PTA executive meets regularly and reviews issues related to academics, extracurricular activities, infrastructure and finance.

#### **Alumni Association**

The alumni serve as a link between the college and the society. The alumni offer timely support for enriching the academic and non academic activities of the institution

#### **Student council**

Student council consists of staff advisors and college union representatives. The critical interventions of student council help in addressing various issues pertaining in the college.

#### **Administrative office**

The office of the institution takes care of all the administrative matters pertaining to the faculty and the students.

#### **College Committees**

The college thrives on various statutory and non-statutory committees. The decision making process is decentralized through these committees subjected to the approval of college council and higher authorities.

### **6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following**

#### **Teaching & Learning**

Quality improvement in teaching and learning mainly depends on the introduction of new courses and the revision of scheme and syllabus by the University. The strategies of the institution for quality improvement are:

- Enrichment of teaching learning process using ICT enabled techniques
- Upgradation of college library by escalating its resources.
- Ensuring the availability and maintenance of sufficient systems and internet connectivity in the computer lab as well as all departments.
- Improvement of science laboratories by the addition of new equipments.
- Organising ASAP foundation course for skill development in specialized areas
- Implementation of WWS – Walk With a Scholar programme sponsored by Department of Collegiate Education, Govt. of Kerala.
- Motivational visit to reputed institutions by WWS mentees
- Implementation of SSP – Student Support Programme by KSHEC.
- Implementation of UGC sponsored merged schemes, like Career Guidance and Counseling, Coaching for Entry in Service for SC/ST/OBC(non-creamy layer) and

Minorities, Remedial Coaching for SC/ST/OBC(non-creamy layer) and Minorities and Equal Opportunity Centre

- Mentoring, tutorial meetings and peer teaching to improve the performance of the students.

### **Research & Development**

Institution promotes faculty members to take up research activities and helps in the procurement of research grants from agencies like UGC, KSCSTE etc. Institution supports faculty members in availing FDP of UGC. Faculty members are encouraged to participate in International/ National seminars/workshops on emerging research areas. The institution has signed MoU with four other institutions with a view to strengthen research activities. Students are encouraged to visit research institutions during study tours. The overhead amounts received from the research grants are fully utilized for the promotion of research activities in various departments.

Research cell in the college promotes and monitors the research activities of the institution. 23 out of 43 permanent teachers possess PhD degree and 6 of them are approved research guides. Chemistry Department is a recognized research centre of Kannur University since 2007. Physics department has set up a research lab for the implementation of a major project sanctioned by KSCSTE and has applied for recognition as research center. Physics and Chemistry Departments produced 5 and 1 Ph Ds respectively till date.

### **Community engagement**

PRNSS College is one of the oldest institutions of higher learning in Kannur district. The institution is sincerely engaged in providing free and fair education to all without any discrimination. The college ensures the principle of equity and access to higher education for the students from SC, ST/OBC/Minor Communities as well as differently abled by following the rules of reservation. Of the total strength during 2015-16 of 1287 students, 114 belong to SC, 35-ST and 325-OBC. 90% of the students of our college reside in rural areas.

Community engagement is a priority area of our institution. The college has undertaken a number of projects on socially relevant issues and problems through different platforms like, NSS, NCC, Vanithavedi, Staff Club and Department Clubs. Some of our major contributions are,

- NSS constructed 4 houses for families identified with the help of local government bodies.
- NSS constructed and repaired roads in rural areas during their annual camps.
- NCC has taken up plastic eradication campaign in association with Mattannur municipality and conducts periodic blood donation camps.
- Vanithavedi, social service wing of our lady teachers conducted cervical cancer detection camp for the public and stitching classes to unemployed women in the adopted colony.
- Staff club provides financial support for medical attention to the ailing community approaching the institution for help.
- History Department has contributed in preparing a document on the history of Mattannur as per the request of Mattannur municipality.
- College Central Library in collaboration with Mattannur Municipal Library has launched interlibrary loan facility to improve the reading habits of students.
- Department clubs engages in community activities through their extension programmes.
- Computer center offers summer holiday crash courses for school students.

### **Human resource management**

Many in-house HR programmes are arranged for the faculty and the students, which include motivational talks, soft skills training, ICT training, and stress management sessions. The new appointees, both teaching and non teaching are given orientation so as to equip them to adapt with the work culture of the institution. The value added programmes are often chalked out by organizations like N S S and N C C to develop life skills and community orientation. Some departments arrange career guidance to their students by utilizing the service of alumni. Various departments, NCC and NSS also organize personality development programmes to equip the students for employment.

#### **Industry interaction**

Students from the departments like English, Commerce and Chemistry are given opportunities to meet and interact with the practitioners at their own place or in the institution itself in order to bridge the gap between theory and practice and to give the students hands-on experience and exposure to industry/agency culture.

#### **6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?**

The Principal takes special attention in ensuring that adequate information is communicated to the management and other stakeholders. The feedback collected from college council, staff council, student council, IQAC, various committee meetings, alumni meetings and PTA are summarized and reported to the management. The college report presented by the Principal on the annual day, which is later on printed and published through the college magazine, ensures the flow of information from the college to other stakeholders. The college website, college diary, college annual news letter, "Impressions", news papers and the printed prospectus issued with the admission application form also gives an insight of our institution to the public.

#### **6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?**

The college is under the management of **Nair Service Society (N.S.S)**, a leading organization which renders its contribution to various service areas with several institutions of higher learning, like Arts and Science Colleges, Training Colleges, Engineering College, Polytechnics, High Schools, Higher Secondary Schools, Vocational Higher Secondary Schools, Hospitals and Paramedical institutions.

The management ensures that all the members of the staff understand and share the vision and mission of the college. The transparency of policies and sharing of responsibilities always helps to foster a sense of belonging among all. Under the leadership of the management, Principal, HODs and staff members (both teaching and non-teaching), work as a team, sharing responsibilities which provide an excellent working atmosphere in the campus.

#### **6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.**

**Table 6.3** Resolutions made by the Management Council and the status of implementation

| <b>Academic year</b> | <b>Resolutions made by management council</b>                                       | <b>Amount allotted</b> |
|----------------------|---|------------------------|
| 2013-14              | Extension of three storied building of the new block                                | Rs. 39,20,000          |
| 2013-14              | Repair of water pump  | Rs. 14,073             |
| 2014-15              | Various renovation works including replacement of old asbestos sheet and truss work | Rs. 77,36,397          |

|         |   |              |
|---------|---|--------------|
| 2014-15 | Installation of CT metal panel, distribution system and additional security deposit | Rs. 92,301   |
| 2014-15 | Electrification of class rooms in office block                                      | Rs. 4,06,370 |
| 2016-17 | Reconstruction of damaged compound wall of ladies hostel                            | Rs.79,000    |
| 2016-17 | Various renovation works including new ladies toilets and grills at the entrance    | Rs. 1,28,000 |
| 2016-17 | False ceiling of 12 class rooms   | Rs. 4,65,923 |

**6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If yes, what are the efforts made by the institution in obtaining autonomy?**

Yes, the government with the approval of the University provides autonomy to the institutions. At present no efforts are made by the institution to obtain autonomy.

**6.2.9 How does the Institution ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?**

The institution has an inbuilt mechanism to respond to suggestions, complaints and grievances of students. The college interacts with its stakeholders formally and informally and measures are taken to solve the problems. The college follows an open door policy, which allows the stakeholders to communicate their grievances directly to the Principal or before the HODs, tutorial meetings and class PTA meetings. The other bodies exist in our college to address complaints and grievances are,

- **Internal assessment Grievance Redressal Mechanism**

Under this, Internal Assessment Committee is constituted to look into complaints regarding continuous evaluation. Department level committee consists of the HOD, the teacher concerned and the department coordinator. The college level committee consists of the Principal, the HOD concerned and college coordinator.

- **Anti Ragging Squad and committee**

An anti ragging squad is functioning in the college. In case of any complaint the students can contact the squad members through phone or in person. Complaints regarding ragging if any will be forwarded to Anti ragging committee for detailed investigation and recommendation of the action.

- **Women Anti Harassment Cell**

Any complaint regarding atrocities against girl students can be reported to the cell in person or by phone. After interactions and discussions in the concerned committees, proper corrective measures and actions are taken.

- **Grievance Redressal cell**

This cell intends to address the complaints regarding general matters.

Two complaint boxes are kept for those who hesitate to complaint in person before any committee. The names and phone numbers of various committees are displayed in a prominent place near college office.

**6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?**

Yes. NSS Management has decided to ban forthwith all political activities of the students in the campus. No student shall get involved in any political activity by him or abet the said activity to be carried on by fellow students inside the campus in any manner whatsoever and



any such activity is hereby banned inside the campus.

Court Verdict (*Effective from 27.01.16*)

*The judgment of WP(C) 3177/2016(V) strictly enforces the direction contained in 2016(1) KLT 180*

- a) Any student on strike who disrupts the academic activity whether it be lecture, seminar, moot court or tutorials is liable to be removed by the police on complaint made by the head of the department or principal of the college. College authorities can also initiate disciplinary proceedings against the erring student.
- b) The members of the teaching faculty are empowered to take classes during strike/dharna even if there is only one student in the class room and such teaching hour is liable to be reckoned.
- c) No student has any sort of right to obstruct other eligible students from entering the class rooms or the portals of the college under the guise of strike, agitation or dharna.

### **6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If yes, what was the outcome and response of the institution to such an effort?**

Yes. The student feedback on institutional performance is taken every year. After analysis and discussions in appropriate bodies, the information is used in framing policies and is promptly implemented with the support of the management.

## **6.3 Faculty Empowerment Strategies**

### **6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?**

The college provides a conducive environment for the development of professional competencies of the teaching and non teaching staff. Some of the mechanisms evolved in the process are as follows

- The newly recruited teachers are given orientation in teaching, mentoring and evaluation methods.
- The young faculties are given opportunity to attend 28 days Orientation and 21 day Refresher courses organized by the academic staff colleges of various universities.
- Young teachers are encouraged to attend FLAIR
- Every year a good number of teachers are encouraged to attend refresher courses for the upgradation of their skills and knowledge.
- Annual Staff Development Programmes are conducted by IQAC to facilitate the improvement of performance of teachers, viz., ICT enables teaching.
- Training programmes are conducted for the non-teaching staff to enhance their computer skills.
- UGC schemes and plans are made available to the staff in time to enhance their professional development.
- All the departments are supported to organize extension activities, seminars and workshops.
- The institution encourages its staff to attend seminars and workshops.
- The college ensures the participation of staff members in various committees and programmes which ensures that every staff member feels being part of the institution.
- In housing learning by teachers is promoted for motivation.



### **6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?**

In accordance with the vision of our institution, i.e., excel in quality and provide equity, we are committed to empower our staff members to take up the responsibilities. In this regard, IQAC formulated and apply the following strategies.

- Encourage faculty members to attend orientation and refresher programmes.
- Provide opportunity to interact with eminent resource persons by conducting seminars, workshops and talks.
- Motivate faculty to apply for research projects and helping them to prepare research proposals.
- Motivate faculty members to acquire higher educational degrees like Ph.D. and certificate programmes.
- Support faculty members to publish their research papers and other articles.
- Provide more opportunities to attend e-learning programmes.
- Purchase of books, journals and e-resources for the library to make the environment more conducive for advanced learning.
- Provide enough infrastructural facilities for the laboratories and Departments like equipments, computers, printers and internet facility.

### **6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.**

The Performance Based Appraisal System as recommended by the UGC is considered for appraising the performance of teachers on multiple activities such as teaching, research, participation in seminars/conferences, organizational ability, willingness to undertake responsibilities, leadership quality and so on. The self-appraisal reports are submitted to the IQAC at the end of every academic year by the faculty.

IQAC also collect faculty feedback from students annually and are analyzed. The Principal reviews and communicate it to the faculty. The Principal points out the strength and weaknesses and encourage for further improvement.

### **6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?**

IQAC reviews the performance appraisal reports and promotional measures are suggested and communicated to the stakeholders. The Principal submits the consolidated report of performance appraisal of faculty members to the management and the manager decides upon the subsequent placement or promotion.

### **6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?**

We have several welfare measures for the teaching and non teaching staff.

- Advance salary for permanent staff and guest faculty in case of delay in disbursing salary by government.
- Hostel facilities for both men and women staff.

- Sanction of leave for short assignments abroad.
- Cooperative store arranges loan facility  
Nearly 75% of staff have availed the benefit during last four years

### **6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?**

The moral values and rich traditions that the management upholds is the key factor which attracts and retain eminent faculty. Since the college is under a corporate management, the new vacancies are advertised statewide through national dailies and recruitment is done strictly according to the state government norms and regulations. The institution offers freedom for academic and professional development of the faculty and also recognizes his/her achievements and contributions.

## **6.4 Financial Management and Resource Mobilization**

### **6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?**

The college follows a well defined financial and infrastructural development policy. Since our college is under the corporate management of NSS, the annual planning and budgeting towards infrastructural development comes under the annual budget of NSS itself. The college development committee comprising of management representatives monitor the infrastructure development under the direct supervision of top management.

Other financial resources are mainly available from Government, UGC and PTA. The HODs submit their requirements and are prioritized by the concerned committees (purchase, library, UGC cell, PTA executive etc.) and then recommended and forwarded by the college council to the planning board for ratification. Budgets are prepared for Government, UGC and PTA accounts separately by the Principals office and forwarded to the office of the Deputy Director of Collegiate Education and the management respectively. Audited statements and utilization certificates are submitted to the concerned agencies by the Principals office in time.

### **6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.**

#### **Internal and External Audit**

Internal audit is done by the competent chartered accountant of NSS headquarters. External auditing is done by Government agencies; Deputy director of Collegiate Education (DDCE) office, Kozhikode and Auditor General (AG) office, Thiruvananthapuram. Internal audit is done every year and audit by DDCE and AG's office are done on the retirement of a Principal or within two or three years whichever is the earliest. Since our college had retirement of Principals in 2013 and 2015, the accounts were audited by competent agencies very recently.

#### **Major Audit Objections**

The recent external audit reports show few minor irregularities with respect to the financial management of the institution.

#### **Recommendations and Compliance**

- a) As per G.O. (Ms) 615/2013, M.Sc. Mathematics and B.Sc. Plant Science courses were sanctioned and it is proposed that guest salary should be paid by the management; even though such a G.O. is prevailing, salary was claimed and credited.

- b) Rupees 3500/- as DCB of December 2015 was not collected. Measures are to be taken so that the amount is to be collected back as early as possible.
- c) Undistributed caution deposit should be refunded to govt. account and the original receipt should be presented before the authorities.
- d) It is recommended that a grant register should be maintained for the purchase from UGC schemes.

**6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.**

Major sources of institutional receipts are salary paid to the faculty members and administrative staff by the Government, UGC grants, PTA fund and income from PD account. Deficit is managed by the advances obtained from the management.

Summary of the audited income-expenditure statement for the last five years is given below;

**Table 6.4 The audited income-expenditure statement for the last five years**

| No         | Source                   | 2012-13<br>(in Rs.) | 2013-14<br>(in Rs.) | 2014-15<br>(in Rs.) | 2015-16<br>(in Rs.) | 2016-17<br>(in Rs.) |
|------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| <b>I</b>   | <b>State Government</b>  |                     |                     |                     |                     |                     |
| 1.         | TS – Salary              | 26206269            | 41683124            | 27253853            | 35081731            | 48336656            |
| 2.         | NTS – Salary             | 4183151             | 4110984             | 6095973             | 4649324             | 5560156             |
| 3.         | Provident Fund           | 6090553             | 2725577             | 784750              | 10000325            | 2773256             |
| 4.         | Stipend                  |                     |                     |                     |                     |                     |
| <b>II</b>  | <b>Kannur University</b> |                     |                     |                     |                     |                     |
| 5.         | NSS                      | 90000               | 58000               | 60000               | 43630               | 30000               |
| 6.         | Exam Remuneration        | 122080              | 130681              | 108354              | 98293               |                     |
| <b>III</b> | <b>Students</b>          |                     |                     |                     |                     |                     |
| 7.         | Caution Deposit          | 147480              | 257910              | 381933              | 179400              | 185880              |
| 8.         | Exam Fees                | 963455              | 283713              | 254413              | 6000                | 317580              |
| 9.         | Registration             | 7535                | 140220              | 169200              | 38265               | 31250               |
| 10.        | Tuition Fees             | 723976              | 406673              | 776350              | 263415              | 1286430             |
| 11.        | Special Fees(Gov.)       |                     |                     |                     |                     | 852000              |
| 12.        | Recognition              | 22150               | 25000               | 14765               |                     | 31250               |
| 13.        | Matriculation            | 22150               | 25000               | 14750               |                     | 31250               |
| 14.        | Special Fees(Univ.)      | 429000              | 109400              | 78400               | 13350               | 122700              |
| 15.        | T.C Late Fee             | 400                 | 350                 | 300                 | 350                 | 400                 |
| <b>IV</b>  | <b>UGC</b>               |                     |                     |                     |                     |                     |
| 16.        | Additional Assistance    | 1000000             |                     | 2320000             |                     |                     |
| 17.        | Merged Schemes           | 702500              | 525000              | 1814356             |                     |                     |
| 18.        | UGC Projects             | 133000              | 443000              | 490000              | 47000               | 29000               |
| 19.        | UGC Seminars             | 269250              | 192750              |                     | 232000              |                     |
| 20.        | FDP Salary               | 506059              |                     | 736921              | 3617562             | 1007115             |
| <b>V</b>   | <b>Other Sources</b>     |                     |                     |                     |                     |                     |
| 21.        | NCC                      | 56264               | 134100              | 180000              | 130000              | 141440              |
| 22.        | Biodiversity Board       | 2000                |                     |                     |                     |                     |
| 23.        | KSCSTE                   |                     | 35000               | 60000               | 42400               | 56000               |
| 24.        | AIDS Control             |                     | 2000                |                     | 4000                |                     |

|     |               |                 |                 |                 |                 |                 |
|-----|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|     | Society       |                 |                 |                 |                 |                 |
| 25. | CED           |                 |                 |                 | 19200           | 26500           |
| 26. | SSP           |                 |                 |                 | 121000          | 225500          |
| 27. | WWS           |                 |                 |                 | 152800          | 245500          |
| 28. | ASAP          |                 |                 |                 |                 | 63650           |
| 29. | SPORTS HOSTEL | 317780          | 382246          | 290176          | 430900          | 497400          |
|     | <b>Total</b>  | <b>41995052</b> | <b>51670728</b> | <b>41704494</b> | <b>55170945</b> | <b>61850913</b> |

#### 6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

Usually the additional income is secured from funding agencies for conducting seminars and for major/ minor projects. UGC is the main source of additional income apart from State Government and PTA. The following are some of the efforts made by the institution in securing additional income.

- Encourage the utilization in specific heads suggested by the funding agency
- Submit the utilization certificate in time
- Monitoring of expenditure by the coordinator and HOD or a group of staff members.

### 6.5 Internal Quality Assurance System (IQAS)

#### 6.5.1 Internal Quality Assurance Cell (IQAC)

a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If yes, what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

Our institutional vision, "To excel in quality and to ensure equity in the field of higher education", itself reveal an inbuilt mechanism of our system towards internal quality assurance. The institutional policy with regard to quality assurance states that the institute will,

- Cater to needs and aspirations of higher education in a just and equitable manner.
- Consistently aim for quality and uncompromised enquiry.
- Uphold democratic and multi cultural values as the basis of higher education.
- Serve the national vision and aspirations from a regional platform.

IQAC was formally constituted in 2009 before the first accreditation. After the accreditation in 2010, the institution revamped its quality assurance process by the strengthening of IQAC as per the guidelines of NAAC. Timely reformations are made in the constitution of IQAC by incorporating representatives of all stakeholders to make it more inclusive and participatory.

The IQAC is envisaged as an internal nodal agency to evaluate, promote and consolidate all the activities of the college.

b. How many decisions of the IQAC have been approved by the management/authorities for implementation and how many of them were actually implemented?

**Table 6.5** Decisions of the IQAC approved by the management for implementation

| Suggestions of IQAC Approved by the Management                 | Status of Implementation |
|--|--------------------------|
| Install a biogas plant in canteen                              | Installed                |
| Computerization of administrative office                       | Done                     |
| Install LCD projectors in seminar halls and final year classes | Installed                |
| Purchase furniture for IQAC room                               | Purchased                |
| Organize staff development programmes                          | Implemented              |

|  |             |
|--|-------------|
| De-asbestos old blocks and false ceiling | Implemented |
| Install rain water harvesting            | Installed   |
| Modify the web site                      | Implemented |
| CCTV camera in and around office         | Implemented |
| Renovate the canteen                     | Implemented |

**c. Does the IQAC have external members on its committee?**

**If so, mention any significant contribution made by them.**

IQAC has external members representing our stakeholders and different walks of society. The external members of the present IQAC are

- Mr. O.M. Sankaran (Former Principal, District Institute of Educational Technology-DIET and Advisor to Minister for Education, Govt. of Kerala, 2006-'11). His contributions were especially focused on quality enhancement and sustenance in teaching-learning process.
- Mr. M. Vijayakumar (Rtd. Govt. employee and an active member of Sasthra Sahitya Parishad), an NGO which made significant contributions in protecting nature and natural resources of Kerala. He acts as a link between the college and the society and contributes in our extension programmes on biodiversity conservation, energy management, socio-economic surveys etc.
- Mr. Muraleedharan - As a district level Govt. official in the designation of Deputy Collector, he renders help in administrative matters.
- Mr. Krishnakumar Kannothe - He is our alumnus, working with All India Radio, Kannur, and helps to maintain our warm relationship with our alumni.

**d. How do students and alumni contribute to the effective functioning of the IQAC?**

**Students**

The students wing of IQAC has representatives from all classes. They act as a link between college IQAC and student community. The student community involves in IQAC activities through:

- Involvement in organising programmes planned by IQAC.
- Feedback on general functioning of the college.
- Feedback on teaching-learning process and teacher evaluation.

**Alumni**

Our institution produced an array of scintillating personalities over the years and they render every support to improve and maintain our quality through:

- Collaborate to organize programmes.
- Felicitate toppers with cash awards.
- Feedback for the institutional development.
- Helps in placement of students.
- Support in resource generation.

**e. How does the IQAC communicate and engage staff from different constituents of the institution?**

The IQAC communicate and engage staff from different constituents of the institution to assure, enhance and sustain quality through its various constructive interventions:

- Conduct training need analysis.
- Organizing training programmes for teaching and non-teaching staff.
- Helps in institutional planning.
- Monitor institutional process, conduct evaluation and provide feedback.
- Identify the infrastructural requirements and inform the authorities.

- Facilitate staff in all their academic endeavors like acquiring higher educational qualifications, attending courses, participating in seminars, publishing research articles and preparing research proposals.

### 6.5.2 Does the institution have an integrated framework for quality assurance of the academic and administrative activities? If yes, give details on its operationalisation.

Yes, the institution has an integrated framework for quality assurance of the academic and administrative activities.

The IQAC carries out the conceptualization of the framework based on SWOC analysis. A questionnaire survey is conducted among the stakeholders such as full time faculty, adjunct faculty, college staff, students and community. The responses to multiple choice questions are collected and from the consolidated inferences the following are identified:

- 5 aspects in which institution excels
- 5 aspects in which the institution lags behind
- The opportunities that the college could take advantage of in the next five years.
- Changing social scenario that could adversely affect the institution.

Based on SWOC analysis, a strategic plan is formulated focusing mainly on institutional strengthening, improvement in employability and learning outcomes. This strategic plan forms the integrated framework for quality assurance.

### 6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If yes, give details enumerating its impact.

Yes. We have conducted training need analysis and the faculty members are encouraged and guided to attend necessary programmes so as to equip them for quality assurance procedures of the institution.

#### Summary of Training Need Analysis

| Category            | Training in Pedagogy/ Orientation Programme | Refresher Course | Seminar                         | Workshop | FDP for Ph.D. | Post Doctoral Programme         | Training in IT | Statutory training in first aid, health and safety |
|---------------------|---|------------------|---------------------------------|----------|---------------|---------------------------------|----------------|--|
| Assistant Professor |   |                  |                                 |          |               |                                 |                |  |
| Associate Professor |   |                  |                                 |          |               |                                 |                |  |
|                     |   |                  |                                 |          |               |                                 |                |  |
| Mandatory           |   |                  | Mandatory when relevant to role |          |               | Desirable when relevant to role |                |  |

#### Faculty Development Plan for 18 Months

| Programme required    | No. of Faculty |
|-----------------------|----------------|
| Orientation Programme | 3              |
| Refresher Course      | 12             |



**6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If yes, how are the outcomes used to improve the institutional activities?**

No external review or auditing of academic provisions are undertaken by the institution. But the academic committee of the college monitors and reviews the academic exercises of all the departments.

**6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?**

Since the top regulatory authority of the institution is UGC and the primary external quality assurance agency is NAAC, PRNSS College always align its internal quality assurance systems and procedures with the pattern prescribed by the Manual of Self Study Report in terms of seven criteria by NAAC.

**6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?**

We have an extensive mechanism to continuously review the teaching, learning process in our college and it operated at four different levels; Institutional, IQAC, Departmental and Faculty level.

**Table 6.6 Institutional mechanisms to review the teaching learning process**

| Levels             | Methodology                                       | Outcome  |
|--------------------|---|--|
| <b>Institution</b> | Monthly Council Meetings                          | Planning, scheduling, implementing & reviewing of various teaching-learning activities such as academic calendar, tutorials, mentoring, assignments, internal tests etc. |
| <b>IQAC</b>        | Monthly Meeting                                   | Review the activities and make suggestions   |
| <b>Department</b>  | Monthly Faculty Meeting                           | Plan, schedule and review departmental activities  |
|                    | Semester-wise Parent-Teacher-Student(PTS) Meeting | Discuss and sort out issues and arrive at decisions.   |
| <b>Faculty</b>     | Entry & Exit level Evaluations                    | Review of faculty-wise performance and Need assessment of the students   |

**6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?**

The college communicates its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders in the following ways:

- **Students:** induction programme and tutorial meetings.
- **Parents:** website, calendar, departmental and annual meetings of the PTA.
- **Alumni:** annual general body meeting & the periodic executive meetings.
- **Other stakeholders:** website, calendar and prospectus with the application form.

**Any other relevant information regarding Governance, Leadership and Management which the college would like to include.**

Nil



**CRITERION VII****INNOVATION AND BEST PRACTICES****7.1. Environment Consciousness****7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?**

The institution conducted Green Audit at three levels; energy audit, water audit and biodiversity audit with the support of staff and student community of the college.

**1. Energy Audit**

Energy audit revealed the energy consumption pattern of the college. Scattered buildings, very old electrical wiring and accessories usually made a hike in our electricity bills. An expert from Kerala State Electricity Board helped us to chalk out the reasons and remedies. The institution took constructive steps to change the electrification, switch boards, panel boards, lights and fans. A positive result of the energy audit is that the students are now aware of the need to conserve energy and that they voluntarily minimize the use of energy-gobbling equipment and promptly switch off fans, lights and other power equipments when not required and so the consumption level has come down.

**2. Water Audit**

Students collected data on the water supply system of the campus like length of water pipes, length of damaged pipes, damaged taps, water consumption rate of campus and hostellers. Measures were taken to repair the damaged pipes and taps and a committee consisting of staff and students monitor the effective and judicious usage of water.

**3. Biodiversity Audit**

Fauna and Flora of the campus was studied initially by the students of the Department of Zoology in 2010, with the support of Kerala State Biodiversity Board under a project to create a biodiversity register of the campus. Later on with the introduction of B.Sc. Plant Science course, the students of both Zoology and Botany Departments periodically renew the biodiversity register and are vigilant on any change in the composition.

**7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?**

**The institution has taken a number of initiatives to make the campus eco-friendly.**

**1. Eco-friendly Campus**

- Our college is situated on the edge of a laterite hill, one kilometer away from Mattanur, a small town in the eastern part of Kannur District and 25 kilometres away from “Aralam Wildlife Sanctuary”, Kerala’s northern most wildlife protected area.
- The campus with an area of 16.5 acres is a part of 105.5 acres with cashew and teak plantation owned by the management. A perennial stream originated from the southern slopes and vegetation is greatly represented by shrubs, herbs and climbers when compared with large trees.
- Department of Zoology maintains a ‘Butterfly Garden’ in the campus.
- Except one, all other buildings in the campus are single storied and have long verandas and windows to ensure free flow of air to classrooms. In 2014-15, the asbestos roofing of old buildings was replaced by GI sheets due to environmental concerns.
- The campus follows a very systematic waste collection and segregation process. The plastic waste collected is periodically removed from the campus by the authorities of Mattanur Municipality.
- There is a vermin compost unit in the campus and pipe composts near every block to process the organic waste.

## 2. Energy Conservation and the Use of Renewable Energy

In order to conserve energy, the college has replaced some of the incandescent lights with LED lights. Planning board has earmarked Rs 5 lakhs for the proposed solar power plant under UGC twelfth plan.

## 3. Water Harvesting

Rain water is being collected in the inbuilt catchment area of the campus so as to recharge the ground water. Besides we have two rainwater harvesting tanks of 1 lakh litre capacity each for the general purposes of the campus and a separate tank in the ladies hostel.

## 4. Construction of Check Dams on the Campus

Since our campus is located on a laterite hill, the buildings of the college were constructed by laterite blocks dig out from the area itself. The abandoned pits itself act as natural water reservoirs though there are no check dams constructed in the campus.

## 5. Efforts for Carbon Neutrality

Our sincere efforts for carbon neutrality include:

- Planting trees by NCC and NSS volunteers
- Carpooling and dependence on public transport by staff and students
- Segregation of degradable and non degradable waste in the campus and disposal in ecofriendly manner
- Collection, and segregation of plastic waste with the help of students and handing over them to external agency for recycling.

## 6. Plantation

- Rich plant diversity of our campus is supplemented by the surrounding cashew and teak plantations.
- NSS, NCC, and Nature Club plant and maintain tree saplings every year with the support of Social Forestry Department of the Government.
- Department of Botany maintains a 'Medicinal Plant Garden' and 'Mango Germplasm' in the campus.

## 7. Hazardous Waste Management

We take extreme care in managing the hazardous wastes like chemicals and acids from the laboratories. They are properly collected and disposed in an eco friendly manner. Department of Chemistry takes initiatives to shift from conventional practices to micro scale analysis.

## 8. E-waste Management

E-wastes are stored in secured place with a view to reuse some of its working parts. The equipments which cannot be reused are sold to recycling agencies after official procedures.

## 7.2 Innovations

### 7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

We have introduced a number of innovative schemes and programmes under the coordination and facilitation of the IQAC of the college. A few of the major innovations implemented during the past five years are given below. They are mentioned in detail in the respective criterion.

- Induction programme for freshers – awareness on facilities in the campus
- Inter Library Loan Service – provide access to libraries outside the campus
- Little Library – to improve reading habits
- Smart class room – practice ICT enabled teaching learning
- Online exam – for efficient evaluation process
- Courses of NPTEL – enrichment programmes

- e-learning – interactive learning using virtual lab simulations
- MOODLE – for innovative breakthrough in teaching learning
- Student IQAC – to promote participation of students in quality enhancement programmes
- WWS – holistic development of toppers
- SSP – to support slow learners
- SSS – to support financially backward students
- ASAP – skill development programmes
- Rain water harvesting – to tackle water scarcity during summer

### 7.3 Best Practices

**7.3.1. Elaborate on any two best practices in the given format, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.**

#### Best Practice I

##### 1. Title of the Practice

Inculcating Learner Enthusiasm and Awareness of Democracy – **i LEAD**

##### 2. Goal

As young citizens of our country the students have to be weaned towards loftier democratic concepts, detailed processes and mature practices which would enable them to accept and reciprocate the various themes associated with democracy like free and fearless articulation of ideas, tolerance towards opposition, synthesis of ideas and opinions, consensus building and sensitivity to secular values. There is also the need to acquaint the students with various processes like elections, representation, committee habits, organizing agenda based discussions and maintaining protocols. The students also need to be trained in organizing meetings, functions, competitions and cultural programs. These are the goals of the best practice conceived under the present title.

##### 3. The Context

Our college had a reputation for student unrest during certain specific phases in the past. We used to have agitations, factional clashes and such issues which needed to be addressed not only from a law and order point of view but from the point of view of democratic settlements of disputes and disagreements. Resorting to inclusive democratic practices by giving maximum initiative, leadership opportunities and decision taking and implementing chances to the students was the institutional safeguard developed by the college to overcome this difficulty. The run up to the college union elections often led to factional feuds which had to be toned down by ushering in the spirit of collective decision making and implementations. The representation of girls in the college union had never tallied with their numerical strength in the college. However by introducing parliamentary system instead of the presidential system that had prevailed earlier that disparity was also addressed.

##### 4. The Practice

Fostering the concepts, practices and processes of democracy was achieved through a comprehensive student centered approach where the students were not only allowed to organize activities under the auspices of the college union but also encouraged to come up with opinions and suggestions regarding the general conduct and administration of the college through Students' Affairs Committees. Such committees have representatives of the student organizations and other student forums and have become an avenue for the students to participate in the administrative and academic decision making process in the college. The

College Union elections are conducted in the parliamentary mode where each class elects two representatives of whom one has to be a girl student. Opportunities are provided for healthy and democratic campaigns complying with the University rules and regulations governing elections. Thereafter the elected class representatives join together to elect the major office bearers of the college union. The activities of the College Union are designed and implemented in such a way so that the students are given a lot of space in the decision making and implementing process. They are encouraged to come up with their own ideas and opinions which are then discussed by the College Union. All activities of the Union are carried out through a highly democratic and decentralized mode. Various committees comprising of students are set up for carrying out the activities of the Union. The celebration of anniversaries and other days of national importance are also organized by committees comprising of students and the office bearers of the college union. Care is taken to ensure that teacher interference in such activities is reduced to advisory and guiding functions. Every year the college organizes an elaborate and detailed arts festival under the name "Swaralaya" for selecting students to partake in University level arts competitions. These competitions are scheduled and organized by the Union by drawing volunteers from the students themselves. 'Arangu'-The College Arts Forum is also an ensemble of teachers and students in which utmost care is shown by the teachers to ensure that students are given initiative in each aspect of its activity. Various clubs and forums like the film club, the book club, tourism club, and activities like literary events, sporting events, talks, debates, symposia etc. are also organized under the leadership of the students. The college has taken conscious efforts to dismantle teacher dictated or teacher centered programs and supplant them with student centered programs and activities in each sphere of academic and extra-curricular activity.

### **5. Evidence of Success**

With the introduction of democratic practices and processes student unrest has scaled down to minimal levels. Student involvements in various kinds of activities have gone up and incidents of factional clashes have also come down to a great extent. The College Union and other clubs and forums have now evolved into robust and active bodies which are autonomously managed by the students under the advisory and guiding presence of teachers assigned for the purpose. Exposure to democratic methods of settling disputes through mediations, consultations, collaborative endeavors, evolving consensus and compromises have contributed to the improvement of the general atmosphere prevailing in the college. The relationship between the teaching staff, the administrative staff and the students have become more cordial as well as goal oriented in recent times with the students resorting to legitimate forums to prefer their complaints, grievances and suggestions. The age old schism prevailing between the staff as the ruling power and the students as the ones being ruled over has been overcome to a certain extent. Various competitions within the college are conducted by dividing the student body into four Houses and these House activities are fully scheduled, controlled and regulated by the elected representatives of the students.

### **6. Problems Encountered and Resources Required**

Numerous problems have been encountered along the way while carrying out this practice. Allowing students to voice their demands has always resulted in an escalation of demands, all of which cannot be met with the limited financial resources available in the college. Elections and other such democratic practices have by themselves sometimes given rise to a fresh volley of animosities. The systems of administration prevailing in the institution and the mindset of teachers have not been fully attuned to holistic democratic practices and processes. Sustained democratic practice and student centered decision making processes require a lot of energy, skill and flexibility which is not always willingly contributed by those in power. Numerous committees and sub-committees have to be formed along the way for detailed consultations and consensus building which sometimes becomes unwieldy and

impractical considering the heavy day to day administrative functions that have to be transacted in a time bound manner.

**Contact Details**

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**Best Practice II****1. Title of the Practice**

Initiative for Service, Extension, Reformation and Volunteering in Education i **SERVE**

**2. Goal**

Learning process has to be seamlessly merged with various kinds of service and extension activities both for placing education on firm social grounds and also for inculcating a sense of volunteerism among the students. Often the under graduate curricula and syllabi do not go hand in hand with the immediate social reality from which the student community is drawn. Under such conditions education stands the danger of becoming an esoteric practice leading to learner passivity. Therefore the college has come up with various kinds of activities which would reinforce formal curricular transactions with service, extension and volunteering activities to make the learning process active, inclusive and socially oriented.

**3. The Context**

The students often fail to emotionally involve themselves with the learning process because they fail to see any immediate social relevance to what they are being taught in the classrooms. This has often led to student apathy. In the realm of higher education such direct social ties are not always present. Therefore the college felt the need to orient the students towards voluntary activity aimed at social service and renovation. Curriculum also lacked specific society oriented modules which would have given the students an opportunity to socialize with the communities around the college. Such activities reinforced the knowledge seeking, knowledge disseminating and knowledge applying aspects of higher education thereby giving the students a complete opportunity for personality development. Lack of interest in social problems and public themes was another problem that needed to be addressed by introducing various kinds of activities in which the students could involve themselves by their own free will.

**4. The Practice**

The deficiencies of the curriculum, especially in those areas which calls for extension activities and services, is experienced in the form of a general student apathy towards academic matters. Such apathy affects classroom participation, seminars, assignments and even examinations. Even before the introduction of this practice organizations like NSS and NCC in the college were carrying out the responsibility of promoting the spirit of social service and volunteerism. After detailed discussions in the advisory committees of NSS and among the volunteers themselves innovative practices like adoption of villages, building homes or helping to build homes for less privileged classmates, blood donation forums and conducting socio-economic surveys were added to the already existing itinerary of NSS and



NCC. Thus the voluntary activities which had been the practice of these organizations were given a new direction towards the fulfillment of social needs and thereby instilled with an immediate social commitment. Once this practice began showing results a module consisting of voluntary service was appended to the activities of the various other clubs, forums and associations which were active in the college. These voluntary modules were incorporated after holding consultations with the students who were involved in various clubs and forums. Planting trees, cleaning public places, programs for plastic waste management, conducting socio economic surveys to realize the needs of the people around the college, visit to old age homes, conducting SWAP shops, medical camps and disease detection programs and energy conservation programs were some of the voluntary tasks taken up by the students and teachers belonging to different clubs. Subject centered exhibitions were conducted by various departments which catered to the school students around the locality and were aimed to instill an enthusiasm for higher learning. Awareness classes about various subjects were also arranged as a part of this program. Tutorial meetings and other such forums were used in this process, not only to create awareness about the practice, but also to chalk out action plans with the participation of the students. All the activities of the College Students' Union, which requires a lot of manpower, were successfully carried out with the help of willing volunteers. In the coming years we wish to augment the practice by identifying the specific social service module or activity that is related to the particular curriculum that a student has to follow.

### **5. Evidence of Success**

The first sign of success was the enthusiastic response received from the students. Activities like building houses for underprivileged classmates saw massive and keen participation. Such activities needed a lot of labor, materials and money. All these were made available through voluntary work and charity. The project, which was rather heavy, went on to become a huge success under the supervision of the NSS Programme Officer and the volunteers. Instead of viewing it as an activity of NSS the whole college joined together to make the endeavor a huge success. Once the program succeeded conscious efforts were taken to disseminate the enthusiasm thus generated to other clubs and forums and results began to surface. The College Union, clubs and other forums were able to chart out service oriented activities and they proved to be a huge success with the massive participation of the students.

### **6. Problems Encountered and Resources Required**

Scheduling such activities was a major problem in itself. The curricular schedule was already hectic and the students had to miss out on at least some of their classes to participate in such activities. Raising funds for some activities was the next problem encountered. Providing funds to match student enthusiasm was not always an easy task. Lack of skilled hands among the students was the next problem-because that required the use of supplementary labor, often at a high cost. Maintaining the incentive level in voluntary work by assigning duties and tasks to the students and involving them wholeheartedly in all the activities was also a problem which required careful teacher supervision.

#### **Contact Details**

|                          |  |
|--------------------------|--|
| Name of the Principal:   | Dr. T.L. Remadevi  |
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## EVALUATIVE REPORT OF THE DEPARTMENTS

## Department of Physics

|   |  |   |                       |        |
|---|--|---|-----------------------|--------|
| 1 | Name of the Department   | Department of Physics   |                       |        |
| 2 | Year of Establishment  | 1964  |                       |        |
| 3 | Names of Programmes/Courses Offered  | UG  | B.Sc. Physics (Aided) |        |
|   |  | PG  | -                     |        |
| 4 | Names of Interdisciplinary courses and departments involved                              | Nil   |                       |        |
| 5 | Annual/ Semester/choice based credit system (programme wise)                             | Choice Based Credit and Semester System for UG (6 Semester)   |                       |        |
| 6 | Participation of the department in the courses offered by other departments              | <ul style="list-style-type: none"><li>• Complementary course offered to BSc Mathematics and Chemistry programmes</li><li>• Open course in Physics to all other UG students of V and VI semester</li></ul> |                       |        |
| 7 | Courses in collaboration with other universities, industries, foreign institutions, etc. | Nil   |                       |        |
| 8 | Details of courses/programmes discontinued (if any) with reasons                         | Nil   |                       |        |
| 9 | Number of teaching posts   | Post  | Sanctioned            | Filled |
|   |  | Professors  | -                     | -      |
|   |  | Associate Professors  | -                     | -      |
|   |  | Asst. Professors  | 5                     | 3      |

10. Faculty Profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

| Name                 | Designation | Qualification                       | Specialization                | No. of Years of Experience | No. of PhD Students guided for the last 4 years |
|----------------------|-------------|-------------------------------------|-------------------------------|----------------------------|---|
| Dr T L Remadevi      | Asso.Prof   | MSc, PhD                            | Electronics, Material science | 31                         | 7   |
| Dr. Deepa K          | Asst. Prof  | MSc, BEd, NET, PhD                  | Material Science              | 12                         | -   |
| Dr Biju R K          | Asst. Prof  | MSc, BEd, M Phil, PhD               | Nuclear Physics               | 6                          | -   |
| Dr Amrutha K Adiyodi | Asst. Prof  | MSc, B.Ed, SET, GATE, PhD, Post-Doc | Material Science              | 4                          | -   |

11 List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise by Temporary faculty: (in %)

| Year      | 2012-2013 |    | 2013-2014 |    | 2014-2015 |    | 2015-2016 |    | 2016-17 |    |
|-----------|-----------|----|-----------|----|-----------|----|-----------|----|---------|----|
| Programme | UG        | PG | UG        | PG | UG        | PG | UG        | PG | UG      | PG |



|               |      |   |      |   |      |   |      |   |      |  |
|---------------|------|---|------|---|------|---|------|---|------|--|
| % of Lectures | 11.1 | - | 11.1 | - | 11.1 | - | 33.3 | - | 22.2 |  |
|---------------|------|---|------|---|------|---|------|---|------|--|

13. Student Teacher Ratio (programme wise)

| UG   |               | PG |
|------|---------------|----|
| Core | Complementary |    |
| 24:1 | 59:1          |    |

14. Number of academic support staff (technical) and administrative staff, sanctioned and filled

| Support Staff | Sanctioned | Filled |
|---------------|------------|--------|
| Lab Assistant | 2          | 1      |
| Mechanic      | 1          | 1      |

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

| Number of present faculty members with highest degree |      |       |    |          |
|---|------|-------|----|----------|
| D.Sc/ D.Litt  | Ph.D | MPhil | PG | Post-Doc |
| Nil   | 4    | 1     | 4  | 1        |

16. Number of faculty with ongoing projects from a) National b) International funding agencies

and grants received: Nil

17. Departmental projects funded by DST, DBT, ICSSR, etc. and grants received

| Name             | Agency | Year of sanction | Grant received | Status    |
|------------------|--------|------------------|----------------|-----------|
| Dr. T L Remadevi | UGC    | 2010             | 1282000.00     | Completed |
| Dr. T L Remadevi | UGC    | 2014             | 140000.00      | Completed |
| Dr. R K Biju     | UGC    | 2014             | 80000.00       | Completed |

18. Research Centre/Facility recognized by the University

Approved Research guides

| Name            | Research Centre                                     |
|-----------------|---|
| Dr T L Remadevi | Dept. of Physics, Kannur University                 |
| Dr. R.K Biju    | Dept. of Physics, Govt. Brennen College, Thalassery |

19. Publications:

a) Number of papers published in peer reviewed journals (b1.national / b2.international) by faculty and students

| Faculty              | National  |               | International |               | Total |
|----------------------|-----------|---------------|---------------|---------------|-------|
|                      | 2010-2016 | Prior to 2010 | 2010-2016     | Prior to 2010 |       |
| Dr T L Remadevi      | -         | -             | 29            | 4             | 33    |
| Dr.Deepa K           | -         | -             | 20            | -             | 20    |
| Dr Biju R K          | 1         | -             | 3             | 8             | 12    |
| Dr Amrutha K Adiyodi | -         | -             | 3             | 8             | 11    |

b) Number of publications in seminar/conferences

| Faculty              | National  |               | International |               | Total |
|----------------------|-----------|---------------|---------------|---------------|-------|
|                      | 2010-2016 | Prior to 2010 | 2010-2016     | Prior to 2010 |       |
| Dr T L Remadevi      | 18        | -             | 13            | -             | 31    |
| Dr.Deepa K           | 10        | -             | 13            | -             | 23    |
| Dr Biju R K          | 10        | 8             | 2             | 2             | 22    |
| Dr Amrutha K Adiyodi | -         | 9             | -             | 6             | 15    |

c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): Nil

d) Monographs-Nil

e) Chapter in Books

| Faculty              | No. | Publishers   | ISBN   |
|----------------------|-----|--|--|
| Dr T L Remadevi      | 5   | Macmillan Advanced Research Series<br>Macmillan Advanced Research Series<br>Macmillan Publishers India Ltd.<br>Macmillan Publishers India Ltd. | 10:0230-33200-3-5<br>10:0230-33199-0-8<br>023-033-193-9<br>978-935-059-049-2 |
| Dr. Deepa K          | 3   | Macmillan Advanced Research Series<br>Macmillan Advanced Research Series<br>Macmillan Publishers India Ltd.                                    | 10:0230-33200-3-5<br>10:0230-33199-0-8<br>023-033-193-9                      |
| Dr Amrutha K Adiyodi | 1   | Kannur University UGC-HRDC   | 9788191070615  |

f) Books Edited: Nil

g) Books with ISBN/ISSN numbers with details of publishers: Nil

h) Citation Index: Ref table below

i) SNIP: Nil

j) SJR: Nil

k) Impact factor: Ref table below

l) h-index: Ref table below

| Faculty               | a  | b  | c | d | e | f | g | h   | i | j | k  | l |
|-----------------------|----|----|---|---|---|---|---|-----|---|---|----|---|
| Dr. T L Remadevi      | 33 | 31 | - | - | 5 | - | - | 159 | - | - | <6 | 7 |
| Dr. Deepa. K          | 20 | 23 | - | - | 3 | - | - | 89  | - | - | <6 | 5 |
| Dr. R K Biju          | 12 | 22 | - | - | - | - | - | 234 |   |   | <6 | 9 |
| Dr. Amrutha K Adiyodi | 11 | 15 |   |   | 1 |   |   | 87  |   |   | <6 | 6 |

## 20. Areas of Consultancy and Income Generated:

The department offers free consultancy in the following areas

| Faculty   | Area of consultancy           | No. of PG students/Institutions to which consultancy offered |         |         |         |         |
|---|-------------------------------|--|---------|---------|---------|---------|
|   |                               | 2012-13  | 2013-14 | 2014-15 | 2015-16 | 2016-17 |
| Dr. T L Remadevi  | Experimental Material science | 6/2  | -       | 5/2     | -       | -       |
| Dr. Deepa. K  | Experimental Material science | -  | -       | -       | -       | 3/1     |
| Dr. R K Biju  | Theoretical Nuclear Physics   | -  | -       | 4/1     | 4/2     | -       |
| Resource Person:<br>Content Enrichment programme for Higher Secondary School Teachers in Kerala, Andhra and Telungana organized by NCERT Regional institute Mysore. |                               |  |         |         |         |         |

|                       |                               |   |
|-----------------------|-------------------------------|---|
| Dr. Amrutha K Adiyodi | Experimental Material science | Resource Person:<br>National Seminar on Recent trends in Material Science- Krishna Menon Memorial Govt. Women's College, Kannur.20-01-2012, (Sponsored by Directorate of Collegiate Education).<br>National seminar on Physics innovations- Govt. Brennen College, Dharmadam, 27-10-2014 (Sponsored by Directorate of Collegiate Education) |
|-----------------------|-------------------------------|---|

**21. Faculty as members in a)National committees b)International Committees c)Editorial Boards d)Academic Bodies**

| Faculty               | Membership   | University/Board   | Year         |
|-----------------------|--|--------------------|--------------|
| Dr. T.L Remadevi      | Member UG BOS, Physics                               | Kannur University  | 2010-14      |
|                       | Chairman UG BOS, Physics                             | Kannur University  | 2010-12      |
| Dr. Deepa. K          | Member UG BOS , Electronics                          | Kannur University  | 2011-13      |
| Dr.R.K Biju           | Member BOS(combined) , Instrumentation               | Calicut University | 2011-13      |
|                       | Member UG BOS (combined), Electronics                | Kannur University  | 2013-15      |
|                       | Member UG BOS , Physics                              | Kannur University  | 2015-17      |
| Dr. Amrutha K Adiyodi | Member, Board of Question paper setters (UG Physics) | Kerala University  | 2017 onwards |

**22. Student projects**

|   |      |
|---|------|
| a) Percentage of students who have done in-house projects including inter departmental/programme  | 100% |
| b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies | Nil  |

**23. Awards/ Recognitions received by faculty and students.**

Awards received by teachers; Nil

**Achievements of students**

| Name                 | Achievements in co curricular activities and sports and games   | Year    |
|----------------------|---|---------|
| Aswini C P           | Adjudged as 'Nrithaprabha' Kannur University Arts Fest  | 2011-12 |
| Sandeep G            | III prize in Elocution Sanskrit,<br>I prize Hindi Drama,<br>'Best Actor' Hindi Drama, Kannur University Arts Fest |         |
| Sarath T K           | I prize Hindi Drama ,Kannur University , Arts Fest  |         |
| Sai Swaroop A        | I prize Hindi Drama ,Kannur University , Arts Fest  |         |
| Vipin Kumar K        | I prize Hindi Drama ,Kannur University Arts Fest,<br>Interuniversity Arts Fest                                    |         |
| Syanima K K          | Member of English Drama team which won first prize in Kannur University Arts Fest                                 |         |
| Induja S             | II Prize, Kannur University Arts Fest   |         |
| Priyanka K           | I Prize,Thiruvathira,Kannur University Arts Fest  |         |
| Nijisha              | NSS Volunteer selected for National level adventurous camp at Shimla  |         |
| Anusree Unnikrishnan | I Prize in State level Poem writing in Malayalam competition organized by AKPCTA                                  |         |
| Sijo Chacko          | Best Shooter – National NCC training camp   |         |

|                   |  |         |
|-------------------|--|---------|
| Jithin Uthaman    | Selected for Interuniversity Aquatic Championship.   | 2012-13 |
| Anusree Ravindran | II prize intercollegiate Physics colloquium organized by SAPE at SN College Kannur   | 2013-14 |
| Jishnu K          | II Prize, Theruvunadakam Kannur University Arts Fest   |         |
| Sarang T K        | II Prize, Theruvunadakam Kannur University Arts Fest   |         |
| Jithin Uthaman    | Individual Aquatic Championship, Kannur University, Selected to Kannur University Swimming Team.   |         |
| Jithin Uthaman    | Selected for Interuniversity Aquatic Championship.   |         |
| Amaljith P S      | I place Kannur University intercollegiate Softball Championship. .   | 2014-15 |
| Nayana N V        | I Prize in Folk Dance & II Prize in Kuchipudi in Kannur University Arts Fest   |         |
| Athira Bharathan  | III Prize, group dance Kannur University Arts Fest   | 2015-16 |
| Athira C          | III Prize, group dance, Kannur University Arts Fest  |         |
| Surabhi Raj       | I Prize in Light music, Kannur University Arts Fest  |         |
| Athulya Shaji     | II Prize, Film Criticism, Kannur University Arts Fest  |         |
| Binil T V         | III Prize, Script Writing, Kannur University Arts Fest   |         |
| Amaljith PS       | I Prize, Kannur University intercollegiate Softball Championship.<br>II Prize Kannur University Handball Championship.<br>Selected to kannur University handball Team  |         |
| Vyshakh P         | Appointed as AAC Camp Commander at Thiruvananthapuram  |         |
| Nayana N.V        | II Prize in Kerala Natanam & III Prize in Kuchipudi in Kannur University Arts Fest,  |         |
| Athira Bharathan  | I Prize, Intercollegiate colloquium on ozone day<br>II Prize, group dance, Kannur University Arts Fest   |         |
| Athira C          | II Prize, group dance Kannur University Arts Fest  |         |
| Aiswarya K        | II Prize, group dance Kannur University Arts Fest  | 2016-17 |
| Amrutha Balan T P | II Prize, group dance Kannur University Arts Fest  |         |
| Athulya Shaji     | I prize in intercollegiate quiz competition  |         |
| Amaljith PS       | II Prize Kannur University intercollegiate Softball Championship.<br>III Prize Softball Senior National Championship. Selected for National Games 2017.<br>I prize, Kannur University intercollegiate Handball Championship. |         |
|                   |  |         |

24. List of eminent academicians and scientists/ visitors to the department

| Year    | Name and designation  |
|---------|---|
| 2011-12 | Dr K P Vijayakumar, Professor, Department of Physics, Cochin University of Science and Technology (CUSAT) |
|         | Dr Sudha Kartha, Professor, Department of Physics, Cochin University of Science and Technology (CUSAT)    |
|         | Dr M K Jayaraj, Professor, Department of Physics, Cochin University of Science and Technology (CUSAT)     |
|         | Dr R T Rjaendra Kumar, Professor, Bharathiar University, Tamil Nadu                                       |
|         | Dr. Manjunatha Pattabhi, Professor, Mangalore University, Mangalore                                       |
|         | Dr Elizabeth Alias, Professor National Institute of Technology, Calicut                                   |

|         |  |
|---------|--|
|         | Dr Sony Varghese, Professor, National Institute of Technology, Calicut                     |
| 2012-13 | Sri. C R Neelakantan, KELTRON Deputy Manager, Popular social activist                      |
|         | Dr K M Ajith, Assistant Professor, National Institute of Technology, Surathkal             |
| 2014-15 | Dr V P N Namboori, Emeritus Professor, Cochin University of Science and Technology (CUAST) |
|         | Dr P V Siddharthan (Scientist, ISRO),  |
| 2015-16 | Dr.Reji Philip, Professor, RRI, Bangalore  |
|         | Dr. Murugesan Vadakkematham, Professor, National Technological University, Singapore       |
| 2016-17 | Dr. P. Ajith- ICTS,(Member team LIGO-India), Bangalore                                     |
|         | Dr. Biju. K, Assistant Professor, Central University of Tamilnadu                          |

25. Seminars/ Conferences/Workshops organized & the source of funding

| Item     | Title/Programme  | Funding agency | International/ National/ Regional | Year    |
|----------|--|----------------|-----------------------------------|---------|
| Seminar  | Academic enrichment programme  | PTA            | Regional                          | 2011-12 |
|          | EOSN-National Seminar on emerging trends in solar cell nanomaterials | UGC            | National                          | 2012-13 |
|          | National Science day Celebrations                                    | KSCSTE         | Regional                          | 2012-13 |
|          | Nuclear Energy and Safety Concerns                                   | PTA            | Regional                          | 2012-13 |
|          | National Science Day celebration                                     | KSCSTE         | Regional                          | 2013-14 |
|          | Bohr centenary year celebrations                                     | KSCSTE & APT   | Regional                          | 2014-15 |
|          | Lecture series "Light Insight" on International year of light        | KSCSTE         | Regional                          | 2015-16 |
|          | National seminar on Gravitational waves                              | KSCSTE         | National                          | 2016-17 |
|          | National Science Day celebrations                                    | KSCSTE         | Regional                          | 2016-17 |
| Workshop | Workshop in laboratory Physics for High school students              | PTA            | Regional                          | 2013-14 |
|          | ENSAVE- Energy conservation campaign and energy audit                | UGC, PTA       | Regional                          | 2014-15 |
|          | Workshop on CRO familiarization                                      | -              | Regional                          | 2016-17 |

26. Student profile programme/course wise

| Name of the Course/ programme (refer question no. 4) |               | Applications received | Selected | Enrolled |    | Pass % |
|--|---------------|-----------------------|----------|----------|----|--------|
|  |               |                       |          | *M       | *F |        |
| 2010-11  | B.Sc.Physics  | 987                   | 25       | 5        | 20 | 95.63  |
| 2011-12  | B.Sc. Physics | 979                   | 30       | 9        | 21 | 80     |
|  | Open course   | V SEM                 | 18       | 1        | 17 | 100    |
|  |               | VI SEM                | 19       | 2        | 17 | 100    |
| 2012-13  | B.Sc. Physics | 986                   | 32       | 14       | 18 | 83.33  |
|  | Open course   | V SEM                 | 6        | 0        | 6  | 100    |
|  |               | VI SEM                | 6        | 0        | 6  | 100    |
| 2013-14  | B.Sc. Physics | 1021                  | 29       | 13       | 16 | 62.06  |

|         |               |        |      |    |    |    |       |
|---------|---------------|--------|------|----|----|----|-------|
|         | Open course   | V SEM  | 22   | 22 | 6  | 16 | 100   |
|         |               | VI SEM | 14   | 14 | 0  | 14 | 100   |
| 2014-15 | B.Sc. Physics |        | 1098 | 36 | 17 | 19 | 61.10 |
|         | Open course   | V SEM  | 19   | 19 | 2  | 17 | 100   |
|         |               | VI SEM | 14   | 14 | 1  | 13 | 100   |
|         |               |        |      |    |    |    |       |
| 2015-16 | B.Sc. Physics |        | 2126 | 35 | 13 | 22 | 88.23 |
|         | Open course   | V SEM  | 16   | 16 | 4  | 12 | 100   |
|         |               | VI SEM | 27   | 27 | 3  | 24 | 100   |
|         |               |        |      |    |    |    |       |
| 2016-17 | B.Sc. Physics |        | 2317 | 37 | 15 | 22 |       |
|         | Open course   | V SEM  | 19   | 19 | 9  | 10 | 100   |

\*M = Male \*F = Female

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.

| Year    | NET | SLET | GATE | Civil Services | Defense Services |
|---------|-----|------|------|----------------|------------------|
| 2012-13 |     |      |      |                |                  |
| 2013-14 |     |      |      |                |                  |
| 2014-15 |     |      |      |                |                  |
| 2015-16 |     |      |      |                | 1                |
| 2016-17 |     |      |      |                | 3                |

28. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| B.Sc. Physics      | 100%                              | -                               | -                         |

29. Student progression

| Year    | UG to PG | PG to M.Phil. | PG to Ph.D. | Ph.D. to Post-Doctoral | Employed         |                               | Entrepreneurship/ Self-employment |
|---------|----------|---------------|-------------|------------------------|------------------|-------------------------------|-----------------------------------|
|         |          |               |             |                        | Campus selection | Other than campus recruitment |                                   |
| 2010-11 | 8        |               |             |                        |                  | 1                             |                                   |
| 2011-12 | 9        |               |             |                        |                  |                               |                                   |
| 2012-13 | 4        |               |             |                        |                  |                               |                                   |
| 2013-14 | 5        |               |             |                        | 2                |                               |                                   |
| 2014-15 | 8        |               |             |                        | 5                |                               |                                   |
| 2015-16 | 9        |               |             |                        |                  | 1                             |                                   |
| 2016-17 | -        | -             | -           | -                      |                  | 3                             |                                   |

30. Details of Infrastructural facilities

|   |  |
|---|--|
| a) Library                                    | Department library and book bank with 160 books and 4 journals   |
| b) Internet facilities for staff and students | 4 desk top computers with internet facility  |
| Computer lab                                  | 6 computer systems for students, 2 computers for teachers , 1 photocopier cum laser printer, 1 laser printer |
| Class rooms with ICT                          | LCD Projector mounted in BSc lab   |

| facility     |   |   |
|--------------|---|---|
| Laboratories | 1. One laboratory for B.Sc. students with adequate facilities   |   |
|              | 2. Research laboratory with facilities like :<br><ul style="list-style-type: none"> <li>Automated SILAR thin film coating unit</li> <li>Photo chemical deposition setup</li> <li>Constant temperature Water bath</li> <li>Keithley Source measurement unit</li> <li>Four probe conductivity set up</li> </ul> | <ul style="list-style-type: none"> <li>Muffle Furnace</li> <li>Hot air blower</li> <li>Refluxing unit</li> <li>Distilled water unit</li> <li>Ultra sonic cleaner</li> <li>pH meter</li> <li>High sensitivity digital balance</li> <li>Magnetic stirrer cum hot plate</li> </ul> |

31. Number of students receiving financial assistance from college, University, Government or other agencies:

| Agency     | 2012-2013 | 2013-2014 | 2014-2015 | 2015-16 | 2016-17 |
|------------|-----------|-----------|-----------|---------|---------|
| University | -         | -         | -         | -       | -       |
| Government | 76        | 80        | 71        | 74      | 83      |

32. Details on student enrichment programmes (special lectures/workshops / seminar) with external experts

- Academic enrichment programmes-2011- One day seminar supported by PTA, Resource person- Sri V P Abdullakutty, Asso. Prof, Sir syed college, Taliparamba
- Two day National seminar on EOSN-2012 Sponsored by UGC- Dr K P Vijayakumar, Dr Sudha Kartha, Dr M K Jayaraj (CUSAT), Dr R T Rjaendra Kumar (Bharathiar University), Dr. M. Pattabhi(Mangalore University), Dr Elizabeth Alias, Dr Sony Varghese (NIT, Calicut) are the resource persons
- National Science day celebrations 2012 – sponsored by KSCSTE, Resource person- Sri K Ramachandran and Sri M Vijayakumar(Social activists)
- Nuclear energy safety concerns – Invited talk & Debate conducted in association with NSS- Resource person-Sri C R Neelakantan (Social activist), Dr P V Narayanan Nair (Retd.Scientist, BARC)
- Young Physicist Award, 2013- Resource person- Dr K M Ajith and Sri G Harikrishnan
- Workshop on Experimental Physics for High school students-sponsored by PTA.
- National Science day 2015, Science drama and Science stage show competition – sponsored by KSCSTE, Resource person- Sri M P Narayanan, Head Department of Physics, Sir Syed college, Taliparamba
- ENSAVE- Energy conservation campaign and energy audit- Resource persons- Dr P V Siddarthan (Scientist, ISRO), Sri Babu, Sri Pattom Bhaskaran, Sri U Janardhanan, Sri M Vijayakumar(KSSP)
- Bohr centenary year celebrations 2015 – Sponsored by APT, KSCSTE, Resource persons - Dr V P N Namboori, Emeritus professor (CUSATT) and Sri K B Roy(Govt. College, Pattambi)
- Observation of National energy conservation day on Dec 14 – Poster exhibition on energy conservation, Resource person- Sri Jayaprakash, Asst. Eng., KSEB, Iritty
- Talk on Introduction to Supersymmetry-Resource person-Akhila Mohan(Alumnus)- Research Fellow, BITS Pilani



12. Lecture series “Light Insight” on International year of light, funded by KSCSTE, Lecture I- Resource persons: Dr.Reji Philip(RRI, Bangalore) and Sri Suresh TP (Govt. Brennen College)
13. Lecture series “Light Insight” on International year of light, funded by KSCSTE, LectureII- Resource person: Sri MPC Nambiar(President, Astrokerala)
14. District level essay writing and quiz competitions for higher secondary students in connection with IYL, funded by KSCSTE
15. Lecture series “Light Insight” on International year of light, funded by KSCSTE, Lecture III: Resource person: Dr. Murugesan Vadakkematham (NTU, Singapore)
16. Talk on “Choosing a carrier in Physics”\_Resource person-Dr Sindu. K(Alumnus), Research Fellow IIT Mandi
17. Talk on Emerging research areas in Physics-Resource person-Shibin Krishna(Alumnus)-Research Fellow, National Physical Laboratory, New Delhi
18. National seminar on Gravitational waves – sponsored by KSCSTE, Resource persons: Dr. P. Ajith, (ICTS, TIFR Bangalore) and Dr. Nijo Varghese (Asst. Professor, Sacred Hearts College, Chalakkudy)
19. Talk on Nanotechnology- Resource person-Ragesh T P(Alumnus)-Research Fellow, University of Iceland
20. Academic Enrichment Programme 2017-Talk on Nanoscience by Dr. Joji Kurian, Assistant Professor, Nirmalagiri college
21. National Science day celebrations 2017 – sponsored by KSCSTE  
Resource persons- Dr.Biju K( Assistant Professor, Central university, Tamilnadu) and Dr. K. V. Murali (Assistant Professor, NAS College, Kanhagad)
22. Talk on Career Options in Physics-Resource person- Dr Byju P(Alumnus),Post Doctoral Research fellow, Australia
33. **Teaching methods adopted to improve student learning:**
  - Though mainly conventional lecture method is adopted for teaching, interactive learning, independent learning, collaborative learning promoted for effective learning
  - Use of NPTEL video lectures
  - Students promoted to conduct ICT enabled seminars
  - On-line examinations and open book exam conducted.
  - Projects and assignments done using amrita v- lab and PhET simulations
  - NPTEL online courses by teachers and students
  - Video classes at smart classrooms
  - Effective tutorial system
34. **Participation in Institutional Social Responsibility (ISR) and Extension activities**
  - As an academic extension the department has organized a workshop on experimental Physics for high school students of the district. The final year students were trained to demonstrate and provide hands on training to the school students. The feedback from school teachers and students was highly positive
  - An awareness programme on energy conservation and energy audit in selected ward 26 of Mattannur municipality in collaboration with Kerala Sasthra Sahitya Parishad (NGO), Kerala State Electricity Board (KSEB) and Energy Management Cell (EMC) was taken up by the department. The programme helped the native of our locality to reduce consumption of electrical energy and thus cut short the electricity bills. As a part of social responsibility the awareness campaign and electrical energy auditing

was carried out by the B Sc Physics students. A two day residential workshop has been organized to equip the students for this programme.

- Our extension activities also include science popularization by conducting variety of programmes and competitions for school and college students in connection with National Science day celebrations and other important events declared by UN.

### 35. SWOC analysis of the department and future plans

#### STRENGTHS

- Highly qualified faculty members. All permanent faculty are PhD holders
- 2 recognised research guides- 5 Ph Ds. produced
- 3 minor projects and one major project completed
- Many research publications in peer reviewed journals, national and international conferences
- Collaborations with various institutions
- Consultancy to PG and PhD students of other institutions
- Adequate facility to do projects for PG students in and outside Kerala
- Good communication among teachers, lab assistants, students and parents
- Low dropout rate of students
- Students with multifaceted talents

#### WEAKNESS

- Vacant teaching and non teaching posts
- Majority of students are from economically and socially backward families.
- Low language proficiency of students
- Politically sensitive campus and consequent loss in teaching days
- Lack of ambitious and aspirant students in Physics
- Lack of Post graduate course in Physics, though research is active
- Limited infrastructure facilities and availability of funds

#### OPPORTUNITIES

- Mobilize the resources from various funding agencies
- Collaboration with national research institutes and universities
- Upgradation of the department to PG department and research centre.
- Upgradation of library and lab facilities
- Smart class room for contact classes
- Start add-on vocational courses

#### CHALLENGES

- Lack of well defined curriculum in the university hinders the procurement of necessary graduate attributes
- Low demand for conventional courses in basic sciences due to poor employability as compared to professional and vocational courses results in intake of less competent students
- Reduction in sanctioning of funds to institutions by central sectors will lead development of educational institutions to a stand still
- Increasing rate of distraction among students due to emerging technologies and social media will result in poor academic outcome

#### FUTURE PLAN

- To conduct an International seminar
- To apply for major research projects
- Train students to develop e-contents for conceptual learning
- To start a certificate course as an add-on programme in Physics
- To carry out regular coaching for students to enhance their communications skill
- To upgrade the computer lab by networking to conduct online examinations
- To upgrade final year classrooms to smart classrooms

### Department of Chemistry

|   |  |   |                         |        |
|---|--|---|-------------------------|--------|
| 1 | Name of the Department   | Department of Chemistry and Research Centre   |                         |        |
| 2 | Year of Establishment  | 1964  |                         |        |
| 3 | Names of Programmes/Courses Offered  | UG  | B.Sc. Chemistry (Aided) |        |
|   |  | PG  |                         |        |
| 4 | Names of Interdisciplinary courses and departments involved                              | Nil   |                         |        |
| 5 | Annual/ Semester/choice based credit system (programme wise)                             | Choice Based Credit and Semester System for UG (6 Semester)   |                         |        |
| 6 | Participation of the department in the courses offered by other departments              | <ul style="list-style-type: none"><li>• Complementary course offered to B.Sc. Physics, Zoology and Plant Science Programme</li><li>• Open course in Chemistry in everyday life, Chemistry in service to man, Environmental chemistry offered to all UG students of V semester</li><li>• PhD</li></ul> |                         |        |
| 7 | Courses in collaboration with other universities, industries, foreign institutions, etc. | Nil   |                         |        |
| 8 | Details of courses/programmes discontinued (if any) with reasons                         | Nil   |                         |        |
| 9 | Number of teaching posts   | Post  | Sanctioned              | Filled |
|   |  | Professors  | -                       | -      |
|   |  | Associate Professors  | -                       | -      |
|   |  | Asst. Professors  | 5                       | 4      |

10. Faculty Profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

| Name               | Designation         | Qualification           | Specialization         | No. of Years of Experience            | No. of PhD Students guided |
|--------------------|---------------------|-------------------------|------------------------|---------------------------------------|----------------------------|
| Dr.K.Pradeep Kumar | PhD guide           | MSc,PhD                 | Coordination Chemistry | 33(retired in June 2015 as Principal) | 1                          |
| Dr.Prasanna. M.K   | Assistant Professor | MSc,NET, MTech BEd ,PhD | Coordination Chemistry | 11                                    | -                          |
| Mr.Satheesan.      | Assistant           | MSc,NET,                | Nanochemistry          | 10                                    | -                          |

|               |                     |                      |                        |    |   |
|---------------|---------------------|----------------------|------------------------|----|---|
| M.K           | Professor           | Bed                  |                        |    |   |
| Smt.Reena     | Assistant Professor | MSc,NET, Bed         | Coordination Chemistry | 10 | - |
| Dr.Sreejith.P | Assistant Professor | MSc,NET, SET,BEd,PhD | Polymer Chemistry      | 6  | - |

11. List of senior visiting faculty Nil

12. Percentage of lectures delivered and practical classes handled (Programme wise by Temporary faculty: (in %)

| Year       | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 |
|------------|---------|---------|---------|---------|---------|
| Programme  | UG      | UG      | UG      | UG      | UG      |
| % Theory   | 46.6    | 16      | 34.3    | 25.7    | 31.4    |
| Practicals | 36.4    | 4.2     | 23.1    | 34.6    | 32.7    |

13. Student Teacher Ratio (programme wise)

| UG   |               | PG |
|------|---------------|----|
| Core | Complementary |    |
| 17:1 | 31:1          | -  |

14. Number of academic support staff (technical) and administrative staff ; sanctioned and filled

| Support staff | Sanctioned | Filled |
|---------------|------------|--------|
| Lab Assistant | 1          | 1      |

15. Qualifications of teaching faculty with DSc / D.Litt/ Ph.D/ MPhil / PG.

| Number of present faculty members with highest degree |      |       |    |        |
|---|------|-------|----|--------|
| D.Sc/ D.Litt  | Ph.D | MPhil | PG | M Tech |
| Nil   | 2    | Nil   | 4  | 1      |

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

| Name           | Agency | Year of sanction | Grant received | Status  |
|----------------|--------|------------------|----------------|---------|
| Satheesan .M.K | UGC    | 2014             | 200000/-       | Ongoing |

17. Departmental projects funded by DST, DBT, ICSSR, etc. and grants received

| Name             | Agency | Year of sanction | Grant received | Status    |
|------------------|--------|------------------|----------------|-----------|
| Dr. Prasanna.M.K | UGC    | 2007             | 89,000./-      | Completed |
| Satheesan.M.K    | UGC    | 2011             | 170000/-       | Completed |
| Reena            | UGC    | 2012             | 90000/-        | Completed |
| Satheesan .M.K   | UGC    | 2014             | 200000/        | Ongoing   |

18. Research Centre/Facility recognized by the University

Department of Chemistry is a Recognized research centre of Kannur University. Dr. Pradeep Kumar (Former Principal) is the recognized Research guide at the centre.

19. Publications:

a) Publication per faculty in refereed journal

| Faculty            | National  |               | International |               | Total |
|--------------------|-----------|---------------|---------------|---------------|-------|
|                    | 2010-2016 | Prior to 2010 | 2010-2016     | Prior to 2010 |       |
| Dr K Pradeep Kumar |           |               | 7             | 3             | 10    |
| Dr.Prasanna.M.K    |           |               | 5             | -             | 5     |
| Satheesan .M.K     |           |               | 3             | -             | 3     |
| Dr. Sreejith.P     |           |               | 2             | -             | 2     |

Publication per faculty in conferences

| Faculty         | National conference |               | International conference |               | Total |
|-----------------|---------------------|---------------|--------------------------|---------------|-------|
|                 | 2010-2016           | Prior to 2010 | 2010-2016                | Prior to 2010 |       |
| Dr.Prasanna.M.K | 3                   |               | 1                        |               | 4     |
| Satheesan .M.K  | 4                   |               |                          |               | 4     |
| Reena           | 2                   |               |                          |               | 2     |

b) Number of papers published in peer reviewed journals (b1.national / b2.international) by faculty and students: Ref table below

c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil

d) Monographs: Nil

e) Chapter in Books; Nil

f) Books Edited: Nil

g) Books with ISBN/ISSN numbers with details of publishers: Nil

h) Citation Index: Ref table below

i) SNIP: Nil

j) SJR: Nil

k) Impact factor: Ref table below

l) h-index-

| Faculty            | a  | b1 | b2 | c | d | e | f | g | h | i | j | k       | l |
|--------------------|----|----|----|---|---|---|---|---|---|---|---|---------|---|
| Dr.K.Pradeep Kumar | 10 | 5  | 5  |   |   |   |   |   |   |   |   | 0.5,0.7 |   |
| Dr.Prasanna.M.K    | 5  |    | 5  |   |   |   |   |   |   |   |   | 0.5,0.7 |   |
| Mr.Satheesan.M.K   | 3  |    | 3  | 3 |   |   |   |   | 3 |   |   | 3       |   |
| Dr.Sreejith.P      | 2  |    | 2  |   |   |   |   |   |   |   |   | 2.5     |   |

## 20. Areas of Consultancy and Income Generated

| Faculty         | Area of consultancy    | No. of PG students/Institutions to which consultancy offered   |         |         |         |         |
|-----------------|------------------------|--|---------|---------|---------|---------|
|                 |                        | 2012-13  | 2013-14 | 2014-15 | 2015-16 | 2016-17 |
| Dr.Prasanna.M.K | Coordination Chemistry | -  | -       | 2/1     | 6/2     | -       |
|                 |                        | Resource person in the National seminar on Photonics and Application of Nano sciences organized by dept of Physics Govt .Arts & Science College Kozhikode in |         |         |         |         |

|                     |                           |   |   |   |     |   |
|---------------------|---------------------------|---|---|---|-----|---|
|                     |                           | 2015<br>Resource person at Student's Kerala Science Congress,<br>2016 |   |   |     |   |
| Reena K             | Water quality<br>analysis | Public  |   |   |     |   |
| Mr.Satheesan<br>M.K | Nano<br>Chemistry         | -   | - | - | 2/2 | - |

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards d) Academic Bodies

| Faculty                      | Membership                             | University/board   | Year    |
|------------------------------|--|--------------------|---------|
| Dr. K. Pradeepkumar          | Member, Kannur<br>University Syndicate | Kannur University  | 2010-13 |
|                              | Chairman UG BOS                        | Kannur University  | 2009-11 |
| Mr.Satheesan M.K             | MemberBOS,UG,<br>Chemistry             | Kannur University  | 2010-12 |
| Dr. Mohanakrishnan<br>Kalady | MemberBOS,UG,<br>Chemistry             | Kannur University  | 2013-15 |
| Dr.Sreejith P                | Member BOS, Polymer<br>Chemistry       | Calicut University | 2013-15 |

22. Student projects

|   |      |
|---|------|
| a) Percentage of students who have done in-house projects including inter departmental/programme  | 100% |
| b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies | Nil  |

23. Awards/ Recognitions received by faculty and students.

| Faculty   | Award   | Year |
|-----------|---|------|
| Smt.Reena | Best NSS Programme officer of Kannur University | 2014 |

Achievements of students

| Name           | Achievement in co curricular activities and sports and games  | Year    |
|----------------|---|---------|
| Ashish.C       | II Prize in caricature, Kannur University Arts Fest   | 2014-15 |
| Reshma         | III Prize in Urdu recitation Kannur University Arts Fest  |         |
| Pramith kumar  | II Prize in Sanskrit Poetry writing, Kannur University Arts Fest  |         |
| Ashish.C       | I Prize in caricature, Kannur University Arts Fest<br>II Prize in Urdu recitation Kannur university Arts Fest | 2015-16 |
| Pranav, Sarath | Soft ball I Prize in Kannur University intercollegiate competition  |         |
| Ashish.C       | II Prize in caricature, Kannur University Arts Fest Intercollegiate competition.                              | 2016-17 |
| Vidyavilasini  | soft ball III Prize in Kannur University  | 2016-17 |
| Sruthimol      | Judo II prize in district level competition   |         |

24. List of eminent academicians and scientists/ visitors to the department



| Year    | Name and designation   |
|---------|--|
| 2010-11 | Dr.Vinod Kumar Etacheri, Research Associate, School of Chemical Engineering ,                          |
| 2011-12 | Dr.N.K.Renuka, Assistant Professor of Chemistry, University of Calicut                                 |
|         | Mr.M.P.Sreejith Research scholar ,Calicut University   |
|         | Dr.K.Rajeev, Director, Alnylam Pharmaseuticals, Cambridge  |
| 2012-13 | Dr.Sudheesh, Head ,School of Chemical Sciences, Anandatheertha Campus, Payyanur                        |
| 2013-14 | Dr.Sugunan ,Professor of Chemistry, Cochin University of Science and Technology                        |
|         | Dr.K.T.Satheesh, Associate Professor of Physics, Gvt.Brennen College, Thalassery.                      |
| 2014-15 | Dr.Harikumar, Senior Scientist, CWRDM, Kozhikode   |
|         | Dr.Mukundan Thelakkad , Professor, University of Bayreuth, Germany                                     |
|         | Dr. Dr.N.K.Renuka, Assistant Professor of Chemistry, University of Calicut                             |
|         | Dr.P.Raveendran, Assistant Professor of Chemistry, University of Calicut                               |
| 2015-16 | Dr.Renuka, Assistant Professor of Chemistry, University of Calicut                                     |
|         | Dr.Vinod Kumar Etacheri, Research Associate, School of Chemical Engineering                            |
|         | Dr.Baiju.K. Vijayan, Scientist ,C-MET, Thrissur  |
|         | Dr.Sujith.A, Assistant Professor of Chemistry, NIT, Calicut  |
|         | Mr.Sintu Mathew Iype, Sr.Associate Scientist, Biocon, Bangalore  |
|         | Dr.Sudheesh, Head ,School of Chemical Sciences, Anandatheertha Campus, Payyanur                        |
| 2016-17 | Dr.Baiju.K.Vijayan, Assistant Professor, School of Chemical Sciences, Anandatheertha Campus, Payyanur. |

#### 25. Seminars/ Conferences/Workshops organized & the source of funding

| Item       | Title/Programme                              | Funding agency | International/ National/Regional | Year    |
|------------|--|----------------|----------------------------------|---------|
| Seminar    | National Science Day celebration             | KSCSTE         | Regional                         | 2011-12 |
| Seminar    | National Science Day celebration             | KSCSTE         | Regional                         | 2012-13 |
| Seminar    | Emerging research areas in Materials science | Alumni         | National                         | 2014-15 |
| Conference | Emerging methods in Nano Technology          | UGC            | National                         | 2015-16 |
| Seminar    | Ozone day Celebration                        | KSCSTE         | Regional                         | 2015-16 |
| Workshop   | Micro scale Analysis                         | KSCSTE         | National                         | 2015-16 |
| Seminar    | National Science Day celebration             | KSCSTE         | Regional                         | 2015-16 |
| Seminar    | Nano Science                                 | Dept. fund     | Regional                         | 2016-17 |

#### 26. Student profile programme/course wise

| Name of the Course/ programme (refer question no. 4) |                   | Applications Received | Selected | Enrolled |    | Pass % |
|--|-------------------|-----------------------|----------|----------|----|--------|
|  |                   |                       |          | *M       | *F |        |
| 2010-11  | B.Sc.Chemistry    | 961                   | 27       | 5        | 22 | 96     |
| 2011-12  | B.Sc. Chemistry   | 987                   | 28       | 5        | 23 | 92.3   |
|  | Open course V SEM | 38                    | 23       | 8        | 15 | 100    |

|         |                 |        |      |    |    |    |               |
|---------|-----------------|--------|------|----|----|----|---------------|
|         |                 | VI SEM | 54   | 39 | 3  | 36 | 100           |
| 2012-13 | B.Sc. Chemistry |        | 960  | 28 | 5  | 23 | 88            |
|         |                 | V SEM  | 33   | 33 | 8  | 25 | 100           |
|         | Open course     | VI SEM | 25   | 25 | 2  | 23 | 100           |
| 2013-14 | B.Sc. Chemistry |        | 1011 | 33 | 3  | 30 | 96.7          |
|         |                 | V SEM  | 52   | 21 | 1  | 20 | 100           |
|         | Open course     | VI SEM | 54   | 46 | 8  | 38 | 100           |
| 2014-15 | B.Sc. Chemistry |        | 1078 | 31 | 5  | 26 | 89.67         |
|         |                 | V SEM  | 58   | 43 | 1  | 42 | 100           |
|         | Open course     | VI SEM | 63   | 50 | 2  | 48 | 100           |
| 2015-16 | B.Sc. Chemistry |        | 1978 | 33 | 7  | 26 | 88.7          |
|         | Open course     | V SEM  | 56   | 37 | 4  | 33 | 100           |
|         |                 | VI SEM | 67   | 54 | 7  | 47 | 100           |
| 2016-17 | B.Sc. Chemistry |        | 2176 | 33 | 10 | 23 | Ongoing batch |
|         | Open course     | V SEM  | 45   | 29 | 6  | 23 | 100           |

\*M = Male \*F = Female

27. How many students have cleared national and state competitive examinations such as NET, SET, GATE, Civil services, Defence services, etc.

| Year    | NET | SLET | GATE | Civil Services | Defence Services |
|---------|-----|------|------|----------------|------------------|
| 2010-11 |     |      |      |                | 2                |
| 2011-12 |     |      |      |                | -                |
| 2012-13 |     |      |      |                | -                |
| 2013-14 |     |      |      |                | -                |
| 2014-15 |     |      |      |                | -                |
| 2015-16 |     |      |      |                | -                |
| 2016-17 |     |      |      |                | 1                |

28. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| B.Sc.              | 100%                              | -                               | -                         |

29. Student progression

| Year    | UG to PG | PG to M.Phil. | PG to Ph.D. | Ph.D. to Post-Doctoral | Employed         |                               | Entrepreneurship/ Self employment |
|---------|----------|---------------|-------------|------------------------|------------------|-------------------------------|-----------------------------------|
|         |          |               |             |                        | Campus selection | Other than campus recruitment |                                   |
| 2010-11 | 10       |               |             |                        |                  | 7                             |                                   |
| 2011-12 | 15       |               |             |                        |                  | 3                             |                                   |

|         |    |  |  |  |  |   |  |
|---------|----|--|--|--|--|---|--|
| 2012-13 | 13 |  |  |  |  | 3 |  |
| 2013-14 | 12 |  |  |  |  | 1 |  |
| 2014-15 | 14 |  |  |  |  | - |  |
| 2015-16 | 10 |  |  |  |  | 1 |  |

### 30. Details of Infrastructural facilities

|   |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|
| a) Library                                    | Department library and book bank with 300 books and 4 journals   |  |  |  |  |  |  |
| b) Internet facilities for staff and students | Two desk top computers with internet facility  |  |  |  |  |  |  |
| Class rooms with ICT facility                 | LCD Projector is made available in one class room  |  |  |  |  |  |  |
| Laboratories                                  | <p>3. One core and one complementary laboratory for B.Sc. students</p> <p>4. One research laboratory with facilities like :</p> <ul style="list-style-type: none"> <li>• UV-Visible spectro photometer,</li> <li>• Fume hood</li> <li>• air ovens</li> <li>• magnetic stirrers</li> <li>• microwave ovens</li> <li>• double distillation and single distillation for water purification</li> <li>• electrical balance</li> </ul> <ul style="list-style-type: none"> <li>• muffle furnace</li> <li>• uv lamps</li> <li>• precision water bath</li> <li>• melting point apparatus</li> <li>• pH meters</li> <li>• water quality analyser kit</li> <li>• colorimeter</li> <li>• conductivity meter</li> <li>• Electronic balances with 3digits and 4 digit sensitivity</li> </ul> |  |  |  |  |  |  |

### 31. Number of students receiving financial assistance from college, University, Government or other agencies:

| Agency     | 2012-2013 | 2013-2014 | 2014-2015 | 2015-16 | 2016-17 |
|------------|-----------|-----------|-----------|---------|---------|
| University | -         | -         | -         | -       |         |
| Government | 71        | 76        | 80        | 83      | 94      |

### 32. Details on student enrichment programmes (special lectures/workshops / seminar) with external experts

1. Talk on Environmental pollution by Prof.Sathyan
2. Talk on general awareness on lab works by Prof.Jose.
3. Talk by Prof.Prabhakaran on how to become a good human being.
4. Special lecture by Dr.S. Murugan.
5. A talk by Dr.Balakrishnan, Head of the Department, Plant science on Food safety and pesticide control.
6. Talk on career opportunities by Dr.Nygil, Assistant Professor, Department of chemistry, Nirmalagiri College.
7. Inspirational talk by Dr.Mukundan Thelakkat scientist, University of Bayruth, Germany.
8. Training for bathing soap making with the help of Kerala Sasthra sahithya parishathu was given to students.

**33. Teaching methods adopted to improve student learning:**

- Entry level tests.
- Induction programme.
- ICT enabled teaching.
- Effective tutorial system
- Remedial teaching
- Peer teaching

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities**

- Department take up extension activities of social relevance. During 2015-16 academic year our department conducted a survey in the town ward of Mattannur municipality for studying the quality of natural and manmade water sources in the area.
- Organized science exhibitions for the benefit of school and college students.
- Department organizes activities to promote and popularize science by observing days like world environmental day, ozone day and national science day.
- As a part of bringing awareness among students about their responsibility in keeping the environment clean, the college road was cleaned and waste materials were segregated.
- Soap and soap powder making training given to mothers of economically backward students

**35. SWOC analysis of the department and future plans****STRENGTH**

- Highly experienced and well qualified faculty members-Two PhD holders and two are doing PhD program currently
- Recognized research centre under Kannur university
  - Three scholars currently pursuing research
  - Several minor research projects completed and few are in progress
  - Conducted two national seminars
- Full utilization of capacity (yearly student in take)
- Close interaction between Faculty, students, PTA & Alumni
  - Tutorial programme
  - Active club activities
  - Regular PTA meeting
  - Yearly Alumni meeting
- Best academic performance in the university

**WEAKNESS**

- Majority of students from relatively economically backward families
- Lack of highly meritorious student taking admission in science stream, as general trend is in joining professional courses
- Post graduate courses not available in the institute
- Non availability of advanced lab equipments/instruments and funds to upgrade the existing facilities

**OPPORTUNITIES**

- Recent focus by UGC/Government programmes to support/fund science education
- Education facility for students from relatively backward region in the State
- Collaboration with small scale chemical industries in the surrounding area

#### CHALLENGES

- Down trend in students enrolling for science education compared to professional courses
- Enhanced facilities available in other colleges

#### FUTURE PLAN

1. To get major projects and more number of minor research projects
2. Take up more socially relevant extension activities and outreach programmes.
3. To get upgraded to a PG department
4. Make the department a more active research centre

### Department of Mathematics

|   |  |  |                   |        |
|---|--|--|-------------------|--------|
| 1 | Name of the Department   | Department of Mathematics  |                   |        |
| 2 | Year of Establishment  | 1964   |                   |        |
| 3 | Names of Programmes/Courses Offered  | UG   | B.Sc. Mathematics |        |
|   |  | PG   | MSc Mathematics   |        |
| 4 | Names of Interdisciplinary courses and departments involved                              | Nil  |                   |        |
| 5 | Annual/ Semester/choice based credit system (programme wise)                             | Choice Based Credit and Semester System for UG (6 Semesters)<br>Semester system for MSc (4 Semesters)  |                   |        |
| 6 | Participation of the department in the courses offered by other departments              | <ul style="list-style-type: none"><li>• Complementary course offered to B.Sc. Chemistry &amp; Physics Programmes</li><li>• Open course in Quantitative arithmetic and Reasoning offered to all UG students of V semester, other than BSc Mathematics students.</li></ul> |                   |        |
| 7 | Courses in collaboration with other universities, industries, foreign institutions, etc. | Nil  |                   |        |
| 8 | Details of courses/programmes discontinued (if any) with reasons                         | Nil  |                   |        |
| 9 | Number of teaching posts   | Post   | Sanctioned        | Filled |
|   |  | Professors   | -                 | -      |
|   |  | Associate Professors   | -                 | -      |
|   |  | Asst. Professors   | 3                 | 3      |

10. Faculty Profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

| Name     | Designation         | Qualification                   | Specialization  | No. of years of Experience | No. of PhD Students guided |
|----------|---------------------|---------------------------------|-----------------|----------------------------|----------------------------|
| Usha K K | Assistant Professor | MSc, NET                        | Graph theory    | 12 years                   | -                          |
| Ragi P V | Assistant Professor | MSc, B.Ed. M.Phil, CSIR-JRF,SET | Graph Theory    | 6 years                    | -                          |
| Biju K   | Assistant Professor | MSc, B.Ed. CSIR-JRF,SET         | Operator Theory | 6 years                    | -                          |

11. List of senior visiting faculty Nil

12. Percentage of lectures delivered and practical classes handled (programme wise by

temporary faculty: (in %)

| Year          | 2012-2013 |    | 2013-2014 |    | 2014-2015 |    | 2015-2016 |    |
|---------------|-----------|----|-----------|----|-----------|----|-----------|----|
| Programme     | UG        | PG | UG        | PG | UG        | PG | UG        | PG |
| % of Lectures | 0         | -  | 40        | 0  | 57.5      | 30 | 57.5      | 30 |

13. Student Teacher Ratio (programme wise)

| UG   |               | PG   |
|------|---------------|------|
| Core | Complementary |      |
| 50:1 | 30:1          | 15:2 |

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

| Support Staff | Sanctioned | Filled |
|---------------|------------|--------|
| Lab Assistant | Nil        | N.A    |

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

| Number of present faculty members with highest degree |      |       |    |
|---|------|-------|----|
| D.Sc/ D.Litt  | Ph.D | MPhil | PG |
| Nil   | -    | 1     | 2  |

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received Nil

17. Departmental projects funded by DST, DBT, ICSSR, etc. and grants received

| Name     | Agency | Year of sanction | Grant received | Status  |
|----------|--------|------------------|----------------|---------|
| Ragi P V | UGC    | 2013-14          | 1,00,000       | Ongoing |

18. Research Centre/Facility recognized by the University Nil

19. Publications:

a) Publication per faculty

| Publication per faculty | National  |               | International |               | Total |
|-------------------------|-----------|---------------|---------------|---------------|-------|
|                         | 2010-2016 | Prior to 2010 | 2010-2016     | Prior to 2010 |       |
| Usha K K                | 1         |               | 1             |               | 2     |
| Ragi P V                |           |               | 1             |               | 1     |

b) Number of papers published in peer reviewed journals (b1.national / b2. international) by faculty and students: Ref table below

c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): Nil

d) Monographs: Nil

e) Chapter in Books: Nil

f) Books Edited: Nil

g) Books with ISBN/ISSN numbers with details of publishers: Nil

h) Citation Index

i) SNIP: Nil

j) SJR: Nil

k) Impact factor; Nil

l) h-index; Nil



| Faculty  | a | b            | c | d | e | f | g | h | i | j | k     | l  |
|----------|---|--------------|---|---|---|---|---|---|---|---|-------|----|
| Usha K K | 2 | b1-1<br>b2-1 |   |   |   |   |   |   |   |   | 0.323 | 14 |

## 20. Areas of Consultancy and Income Generated.

| Faculty  | Programme  | Year                                |
|----------|--|-------------------------------------|
| Usha K K | Resource person for 'Orientation class for Mathematics teachers 'at Sree Sankara Vidya Peetam Senior Secondary School  | 2015-16                             |
| Ragi PV  | Resource person for a session on 'Linear Congruences and Chinese Remainder Theorem' at SN College, Kannur.   | 2016-17                             |
| Biju K   | Resource person for a session on <ul style="list-style-type: none"> <li>'Introduction to Three Dimensional Geometry' at Iritty higher secondary school.</li> <li>'Analysis of Simple Algebraic Equations' at Don Bosco College, Angadikadavu.</li> <li>'Applications of Vector Calculus' at College of Engineering Thalassery.</li> <li>'Simple Applications of Mathematics' at SES College Sreekandapuram.</li> </ul> | 2013-14<br>2015-16<br>2016-17<br>.. |

## 21. Faculty as members in a) National committees b) International Committees c) Editorial Boards d) Academic Bodies

| Faculty       | Membership                              | Year    |
|---------------|---|---------|
| Ms. Usha K.K. | Member BOS ,UG Kannur University        | 2013-15 |
|               | Member BOS ,PG Kannur University        | 2015-17 |
|               | Member BOS, UG Hons. Kannur University. | 2015-17 |
| Ms. Ragi P.V. | Member BOS ,UG Kannur University        | 2015-17 |
| Mr. Biju K.   | Member BOS ,UG Kannur University        | 2015-17 |

## 22. Student projects

|   |      |
|---|------|
| a) Percentage of students who have done in-house projects including inter departmental/programme  | 100% |
| b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies | Nil  |

## 23. Awards/ Recognitions received by faculty and students.

| Name                        | Achievement in co curricular activities and sports and games   | Year    |
|-----------------------------|--|---------|
| Salman Farish               | IPrize- Inter Collegiate Soft ball championship-, All India inter university selection                                 | 2014-15 |
| Ambili R K<br>Likhin Nadh P | II quiz competition on 'Tourism' at Kerala Institute of Tourism and Travel Studies ,Thalassery                         |         |
| Likhin Nadh P               | II Prize in Inter Collegiate Science Quiz Contest  | 2015-16 |
| Salman Farish               | 1 Prize :Inter Collegiate Soft ball, All India inter university selection,<br>II Prize-Soft ball south zone national-, |         |

|                    |   |         |
|--------------------|---|---------|
| Hiran E            | I Prize Inter university soft ball -  | 2016-17 |
| Akhil M V          | Directorate senior of Kerala & Lakshadweep NCC Batalian in National trekking camp, at Amarkhandak, Madhyapradesh.               |         |
| Adarsh K<br>Ajil P | III prize in the intercollegiate Mathematics quiz competition   |         |
| Salman Farish      | I place -Hand ball inter collegiate Championship,<br>II Place Soft ball inter collegiate  |         |
| Hiran E            | II Place- Intercollegiate Hand ball Competition<br>II Place -Inter Collegiate Soft ball<br>All India inter university selection |         |
| Noble Thomas       | Attended Republic Day Rally at New Delhi  | 2016-17 |

24. List of eminent academicians and scientists/ visitors to the department

| Year    | Name and designation  |
|---------|---|
| 2010-11 | Dr. Shahul Hameedh ,Associate Prof, Govt. Brennan College, Thalassery |
| 2011-12 | Dr. Eswaran Nambudiri, Asst. Prof Govt. College, Kasargod             |
| 2012-13 | Dr. Sabu Sebastian, Asst. Prof Nirmalagiri College, Kuthuparamba      |
|         | Dr. Aneesh, Asst. Professor, MG College Iritty.                       |
| 2013-14 | Dr. Eswaran Nambudiri Asst. Prof, Govt. College, Kasargod             |
|         | Dr. M S Balasubramani , Professor, Calicut University                 |
|         | Dr. T Thrivikraman , Emeritus Prof. CUSAT                             |
|         | Dr. A R Rajan Professor, Kerala University                            |
|         | Dr. Santhosh George Associate Prof, NIT Surathkal                     |
|         | Dr. Kunhanandan M, Associate Prof ,Goa University                     |
|         | Dr. Kuncham Syamprasad, Assistant Prof ,MIT Manipal                   |
|         | Dr. Kedukkodi Babu Srinivas, Assistant Prof, MIT Manipal              |
|         | Dr. Harikrishnan , Assistant Prof, MIT Manipal                        |
|         | Dr. Kiran Kumar V B, Asst. Prof, Calicut University                   |
| 2014-15 | Dr. Noufal A, Asst. Professor, Govt Brennan College, Thalassery.      |
|         | Dr. Bijumon R, Asst. Professor, MG College Iritty.                    |
| 2015-16 | Dr. Ajitha V , Associate Professor, MG College Iritty                 |
|         | Sri. Rajeesh C, Asst. Professor, GBC, Dharmadam                       |
| 2016-17 | Dr. Shahul Hameed, Associate Professor, GBC, Dharmadam.               |
|         | Dr. Deepesh P K, Asst. Professor, GBC ,Dharmadam.                     |

25. Seminars/ Conferences/Workshops organized & the source of funding

| Item    | Title/Programme                             | Funding agency  | International/ National/Regional | Year    |
|---------|---|-----------------|----------------------------------|---------|
| Seminar | Graph Theory and its applications in Matrix | Department Fund | Regional                         | 2010-11 |
|         | Fourier Series and Harmonic Analysis        | Department Fund | Regional                         | 2011-12 |
|         | Mathematical Analysis & Algebra             | UGC             | National                         | 2013-14 |
|         | 'Groups of Symmetries of a Triangle'        | Department Fund | Regional                         | 2013-14 |
|         | 'Application of Euclidean Algorithm'        | Department Fund | Regional                         | 2013-14 |
|         | 'Career opportunities and higher            | Department      | Regional                         | 2014-15 |

|  |                           |                 |          |         |
|--|---------------------------|-----------------|----------|---------|
|  | education in Mathematics' | Fund            |          |         |
|  | Vedic Mathematics         | Department Fund | Regional | 2015-16 |

26. Student profile programme/course wise

| Name of the Course/ programme (refer question no. 4) |                   |        | Applica-<br>tions<br>received | Selected | Enrolled |    | Pass<br>% |
|--|-------------------|--------|-------------------------------|----------|----------|----|-----------|
|  |                   |        |                               |          | *M       | *F |           |
| 2010-11  | B.Sc. Mathematics |        |                               | 34       | 6        | 28 | 60        |
|  | Open course       | V SEM  | 109                           | 17       | 8        | 9  | 100       |
|  |                   | VI SEM | 103                           | 27       | 9        | 18 | 100       |
| 2011-12  | B.Sc. Mathematics |        |                               | 50       | 12       | 38 | 87.5      |
|  | Open course       | V SEM  | 106                           | 38       | 6        | 32 | 100       |
|  |                   | VI SEM | 111                           | 45       | 9        | 36 | 100       |
| 2012-13  | B.Sc. Mathematics |        |                               | 49       | 15       | 34 | 77.78     |
|  | Open course       | V SEM  | 122                           | 31       | 10       | 21 | 100       |
|  |                   | VI SEM | 108                           | 50       | 14       | 36 | 100       |
| 2013-14  | B.Sc. Mathematics |        |                               | 50       | 17       | 33 | 84.44     |
|  | Open course       | V SEM  | 131                           | 21       | 10       | 11 | 100       |
|  |                   | VI SEM | 102                           | 35       | 10       | 25 | 100       |
| 2014-15  | B.Sc. Mathematics |        |                               | 47       | 13       | 34 | -         |
|  | Open course       | V SEM  | 120                           | 29       | 10       |    | 100       |

\*M = Male \*F = Female

| MSc<br>Mathematics | Applications<br>received | Selected | Enrolled |        | Pass<br>percentage |
|--------------------|--------------------------|----------|----------|--------|--------------------|
|                    |                          |          | Male     | Female |                    |
| 2013-14            | 115                      | 15       | 1        | 14     | 93                 |
| 2014-15            | 130                      | 15       | 1        | 14     | 85.7               |
| 2015-16            | 140                      | 15       | 2        | 13     |                    |
| 2016-17            | 141                      | 15       | 0        | 15     |                    |

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.

| Year    | NET | SET | GATE | Civil Services | Defense<br>Services |
|---------|-----|-----|------|----------------|---------------------|
| 2010-11 |     |     |      |                | 1                   |
| 2011-12 |     |     |      |                | -                   |
| 2012-13 |     |     |      |                | -                   |
| 2013-14 |     |     |      |                | 1                   |
| 2014-15 |     | 1   |      |                |                     |
| 2015-16 |     |     |      |                | 2                   |
| 2016-17 | 1   | 1   |      |                | 2                   |

## 28. Diversity of Students.

| Name of the Course | % of students from the same | % of students from other States | % of students from abroad |
|--------------------|-----------------------------|---------------------------------|---------------------------|
| B.Sc. Mathematics  | 100%                        | -                               | -                         |

## 29. Student progression

| Year    | UG to PG | PG to M.Phil. | PG to Ph.D. | Ph.D. to Post-Doctoral | Employed         |                               | Entrepreneurship/Self-employment |
|---------|----------|---------------|-------------|------------------------|------------------|-------------------------------|----------------------------------|
|         |          |               |             |                        | Campus selection | Other than campus recruitment |                                  |
| 2010-11 | 7        |               |             |                        |                  | 1                             |                                  |
| 2011-12 | 15       |               |             |                        |                  |                               |                                  |
| 2012-13 | 14       |               |             |                        |                  | 1                             |                                  |
| 2013-14 | 13       |               |             |                        |                  | 1                             |                                  |
| 2014-15 | 16       |               |             |                        | 1                |                               |                                  |
| 2015-16 | 16       |               |             |                        |                  | 1                             |                                  |
| 2016-17 |          |               |             |                        |                  | 2                             |                                  |

## 30. Details of Infrastructural facilities

|   |  |
|---|--|
| a) Library                                    | Our department library is enlisted in the complementary book distribution scheme of National Board of higher mathematics –SI No.270/1114.<br>Department library contains 351 books related to the subject area. We got 172 books from central library, 37 from NBHM books distribution scheme, 14 from Pearson Education as complimentary copy and purchased 105 books for minor research project. |
| b) Internet facilities for staff and students | Department provide internet facility for staff and students  |
| Class rooms with ICT facility                 | One LCD projector  |
| Laboratories                                  | Computer lab contains 5 computers  |

## 31. Number of students receiving financial assistance from college, University, Government or other agencies:

| Agency     | 2012-2013 | 2013-2014 | 2014-2015 | 2015-16 | 2016-17 |
|------------|-----------|-----------|-----------|---------|---------|
| University | -         | -         | -         | -       | -       |
| Government | 119       | 125       | 130       | 128     | 132     |

## 32. Details on student enrichment programmes (special lectures/workshops / seminar) with external experts

1. Lecture on 'Graph Theory and its applications in Matrix.' by Dr. Shahul Hameedh, Associate Prof, Govt. Brennan College, Thalassery in connection with Series of Seminars organized by IQAC-2011.
2. A talk on 'Fourier Series and Harmonic Analysis' by Dr. Eswaran Nambudiri, Asst. Prof. Govt. College, Kasargod-2011.
3. Lecture on 'Graph Theory' by Dr. Ajitha V, Associate Professor MG, College, Iritty-2012.
4. A lecture on 'General Mathematics' by Dr. Sabu Sebastian, Asst. Professor, Nirmalagiri College -2012.

5. A lecture on 'Groups of Symmetries of a Triangle' by Dr. Harikrishnan, Asst. Professor, MIT Manipal, College -2012.
6. Talk on 'Career opportunities and higher education in Mathematics' by Dr. Noufal A, Asst. Prof. Govt Brennan College, Thalassery, -2013.
7. Conducted a National seminar on "Mathematical Analysis and Algebra" on September 5, 6 2013
8. Talk on 'Application of Euclidean Algorithm' by Dr. Joseph P.X, Dean, Don Bosco College, Angadikadavu -2014.
9. Talk on 'General Mathematics' by Dr. Bijumon R, Associate Prof., MG College -2015
10. Mathematics exhibition "ELEMENTS" on February 2<sup>nd</sup> and 3<sup>rd</sup> 2015.
11. Talk on 'Vedic Mathematics' by Sri. Rajeesh C, Asst. Professor, GBC, Thalassery -2016
12. A session on Higher Studies in Mathematics was done by Ms. Nithya Muraleedhran, CUSAT, and former student of the Department.
13. Conducted 'Finishing School Programme' for PG students.
33. **Teaching methods adopted to improve student learning:**
  - Entry level tests.
  - Discussions, Student seminars, Assignments.
  - Remedial teaching, Peer teaching and Effective tutorial system
  - Counseling
  - Adopt ICT teaching techniques
34. **Participation in Institutional Social Responsibility (ISR) and Extension activities**
  - Participation in the extension activity, Mathematics exhibition "ELEMENTS" on February 2<sup>nd</sup> and 3<sup>rd</sup>, 2015.
  - Participation in the outreach programme, Mathematics exhibition "ELEMENTS" conducted at Niveditha Vidyalayam, Punnad on 23<sup>rd</sup> February 2015.
35. **SWOC analysis of the department and future plans**

#### STRENGTHS

- UG program offers high quality education in Mathematics with Statistics and Physics as complementary courses.
- Highly qualified faculty – out of the three permanent faculties, one is an M Phil holder, all are doing research.
- One of the faculties is a member of the PG Board of Studies in Kannur University and two are members of UG Board of studies in Kannur University.
- Good communication among faculty and students.
- Curricular changes include a revised core subjects and the addition of Applied Mathematics like Discrete Mathematics, Cryptography, Coding theory etc.
- Computer lab with six desktops and accessories.

#### WEAKNESSES

- Newly sanctioned PG program requires more permanent faculties
- Lack of financial support for the purchase of library books and departmental activities
- Lack of infrastructure in the Department, reading room and computer lab
- Lack of permanent faculty in the Statistics Department
- Absence of a good departmental library
- Insufficient number of computer systems in the department computer lab

### OPPORTUNITIES

- Educational opportunities in the fields of computer science, management, pure and applied Mathematics
- Research and Scientific field
- Opportunity to extend the service to Statistical department
- Students trained in pure mathematics are actively recruited by many financial service companies, research labs of multinational companies and various IT departments

### CHALLENGES

- Students with low Mathematical ability are coming for UG courses.
- Students select the course as third choice.
- Mushrooming of institutions in nearby areas offering attractive courses related to mathematics.
- Reduced funding of higher education.

### FUTURE PLANS

- To attain pass percentage of more than 90 %
- To motivate students to get admission in various prestigious institutions for higher studies.
- To seek financial assistance from UGC to conduct National seminar and for undertaking research projects
- To undertake extension activity.
- Faculty to present/publish at least one research paper every year.
- To apply interdisciplinary Major research project

### Department of Zoology

|   |  |  |                       |        |
|---|--|--|-----------------------|--------|
| 1 | Name of the Department   | Department of Zoology  |                       |        |
| 2 | Year of Establishment  | 1993   |                       |        |
| 3 | Names of Programmes/Courses Offered  | UG   | B.Sc. Zoology (Aided) |        |
|   |  | PG   |                       |        |
| 4 | Names of Interdisciplinary courses and departments involved                              | Nil  |                       |        |
| 5 | Annual/ Semester/choice based credit system (programme wise)                             | Choice Based Credit and Semester System for UG (6 Semester)  |                       |        |
| 6 | Participation of the department in the courses offered by other departments              | <ul style="list-style-type: none"><li>• Complementary course offered to B.Sc. Plant Science Programme</li><li>• Open course in Apiculture and Sericulture offered to all UG students of V semester</li></ul> |                       |        |
| 7 | Courses in collaboration with other universities, industries, foreign institutions, etc. | Nil  |                       |        |
| 8 | Details of courses/programmes discontinued (if any) with reasons                         | Nil  |                       |        |
| 9 | Number of teaching posts   | Post   | Sanctioned            | Filled |
|   |  | Professors   | -                     | -      |
|   |  | Associate Professors   | -                     | -      |
|   |  | Asst. Professors   | 3                     | 3      |

10. Faculty Profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

| Name                    | Designation         | Qualification           | Specialization  | No. of Years of Experience | No. of PhD Students guided |
|-------------------------|---------------------|-------------------------|-----------------|----------------------------|----------------------------|
| Dr.Maheshkumar Madathil | Assistant Professor | MSc, M.Phil, Ph.D       | Entomology      | 13 years                   | -                          |
| Dr. Leena P.T.          | Assistant Professor | MSc, B.Ed. M.Phil, Ph.D | Applied Zoology | 4 years                    | -                          |
| Manjary S               | Assistant Professor | MSc, M.Ed. UGC-CSIR,NET | Applied Zoology | 4 years                    | -                          |

11. List of senior visiting faculty Nil

12. Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty: (in %)

| Year          | 2012-2013 |    | 2013-2014 |    | 2014-2015 |    | 2015-2016 |    | 2016-17 |    |
|---------------|-----------|----|-----------|----|-----------|----|-----------|----|---------|----|
| Programme     | UG        | PG | UG        | PG | UG        | PG | UG        | PG | UG      | PG |
| % of Lectures | 56        |    | 66        |    | 19        |    | 19        |    | 19      |    |



13. Student Teacher Ratio (programme wise)

| UG   |               | PG |
|------|---------------|----|
| Core | Complementary |    |
| 32:1 | 18:1          |    |

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

| Support staff | Sanctioned | Filled |
|---------------|------------|--------|
| Lab Assistant | 1          | -      |

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

| Number of present faculty members with highest degree |      |       |    |
|---|------|-------|----|
| D.Sc/ D.Litt  | Ph.D | MPhil | PG |
| Nil   | 2    | 1     | 1  |

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received Nil

17. Departmental projects funded by DST, DBT, ICSSR, etc. and grants received

| Name                     | Agency | Year of sanction | Grant received | Status    |
|--------------------------|--------|------------------|----------------|-----------|
| Dr. Maheshkumar Madathil | UGC    | 2007             | 75,000.00      | Completed |
| Dr. Maheshkumar Madathil | UGC    | 2013             | 1,30,000.00    | Completed |

18. Research Centre/Facility recognized by the University Nil

19. Publications:

a) Publication per faculty

| Publication per faculty  | National  |               | International |               | Total |
|--------------------------|-----------|---------------|---------------|---------------|-------|
|                          | 2010-2016 | Prior to 2010 | 2010-2016     | Prior to 2010 |       |
| Dr. Maheshkumar Madathil | -         | 3             | -             | -             | 3     |
| Dr. Leena P.T.           | 2         | -             | 1             | -             | 3     |

b) Number of papers published in peer reviewed journals (b1.national / b2.international) by faculty and students

c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): Nil

d) Monographs: Nil

e) Chapter in Books

| No. | Name of the Teacher      | Publications in Books as chapters |
|-----|--------------------------|-----------------------------------|
| 1.  | Dr. Maheshkumar Madathil | 1                                 |
| 2.  | Dr. Leena P.T.           | 2                                 |

f) Books Edited: Nil

g) Books with ISBN/ISSN numbers with details of publishers: Nil

h) Citation Index: Ref table below

i) SNIP: nil

j) SJR: nil

k) Impact factor: Ref table below

l) h-index: Nil

| Faculty                    | a | b | c | d | e | f | g | h | i | j | k         | l |
|----------------------------|---|---|---|---|---|---|---|---|---|---|-----------|---|
| 1.Dr. Maheshkumar Madathil | 3 | 3 |   |   | 1 |   |   |   |   |   |           |   |
| 2.Dr. Leena P.T.           | 3 | 3 |   |   | 2 |   |   | 1 |   |   | 1.45&3.49 |   |

## 20. Areas of Consultancy and Income Generated

| Faculty                  | Programme  | Year           |
|--------------------------|--|----------------|
| Dr. Maheshkumar Madathil | Resource person in 9 day theme specific in service course in Content Analysis – Natural Science at Govt. Brennen College of Teacher Education, Thalassery      | March, 2011    |
| Dr. Leena P. T.          | Resource person for “National Seminar on Biodiversity Conservation with special emphasis to Angiosperm Diversity” at Govt. Brennen College, Thalassery, Kannur | February, 2015 |

## 21. Faculty as members in a) National committees b) International Committees c) Editorial Boards d) Academic bodies:

| Faculty                  | Membership                       | Year    |
|--------------------------|----------------------------------|---------|
| P.Muraleedharan          | Member BOS ,UG Kannur University | 2010-12 |
| Dr. Maheshkumar Madathil | Member BOS ,UG Kannur University | 2010-12 |

## 22. Student projects

|   |      |
|---|------|
| a) Percentage of students who have done in-house projects including inter departmental/programme  | 100% |
| b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies | Nil  |

## 23. Awards/ Recognitions received by faculty and students.

### Academic achievements of students

Neethu K.V- **II Rank (General)** - CAT conducted by CUSAT for admission to M.Sc. Marine Biology, 2015

Divya A.K. -**VIII Rank (ST)** - CAT conducted by CUSAT for admission to M.Sc., 2015

List of students got admission to M.Sc. programmes through Entrance Tests:-

| Name                   | Course                               | Year    |
|------------------------|--------------------------------------|---------|
| Sinoy R                | M.Sc. CUSAT                          | 2010-11 |
| Remisha O              |                                      |         |
| Muhammed Shafi C       |                                      |         |
| Jithin K               | M.Sc. Pondicherry Central University | 2011-12 |
| Vivek Mohan            |                                      |         |
| Lasina V K             |                                      |         |
| Shelna T               |                                      |         |
| Chaithanya K           |                                      |         |
| Reshmitha Ramakrishnan |                                      |         |
| Soorya P               |                                      |         |
| Vijina K               |                                      |         |
| Vidya P V              |                                      |         |
| Rinu Madhu Puthussery  | M.Sc. CUSAT                          |         |
| Sangeetha P            |                                      |         |
| Kavitha Anand          | M.Sc. VIT, Vellore.                  |         |
| Jinesh V M             | M.Sc. Pondicherry Central University | 2012-13 |

|                     |                                      |         |
|---------------------|--------------------------------------|---------|
| Priyanka K          |                                      |         |
| Rakhi P             |                                      |         |
| Aswathi O           | M.Sc. Kerala Central University      |         |
| Gopika N V          |                                      |         |
| Akhila K V          | M.Sc. CUSAT                          |         |
| Chaithanya E P      |                                      |         |
| Jimina KC           |                                      |         |
| K Sruthi            |                                      |         |
| Radhika Viswanath C |                                      |         |
| Sibisha V C         | M.Sc. Kerala Central University      | 2013-14 |
| Amrutha C           | M.Sc. CUSAT                          |         |
| Nusaira P           |                                      |         |
| Athira T K          | M.Sc. Kerala Central University      | 2014-15 |
| Gopika Pavithran    |                                      |         |
| Nithya K            |                                      |         |
| Sneha P S           |                                      |         |
| Swetha K C          | M.Sc. Pondicherry Central University |         |
| Anagha K            | M.Sc. CUSAT                          |         |
| Neethu K V          |                                      |         |
| Vidya R             |                                      |         |
| Anjali T            | M.Sc. Hyderabad Central University   | 2015-16 |
| Shincy M            | M.Sc. Pondicherry Central University |         |
| Varsha M K          |                                      |         |
| Sithun Prakash P K  | M.Sc. CUSAT                          |         |
| Divya A K           |                                      |         |
| Vineethkumar P P    |                                      |         |

| Name               | Achievement in co curricular activities and sports and games | Year    |
|--------------------|--|---------|
| Arathi Raveendran  | Nadanpattu-“A” Grade   | 2014-15 |
|                    | Short Story-Malayalam-“A” Grade                              |         |
| Anjali K.          | Nadanpattu-“A” Grade   |         |
| Aswathi C.V.       | Debate-Malayalam-“A” Grade                                   |         |
| Mithun Chandran P. | Flute-“A” Grade  |         |
| Arathi Raveendran  | Mappilapattu- III place                                      | 2015-16 |
| Anulakshmi P.      | Mappilapattu- III place                                      |         |
| Athira V.          | Group Dance- III place                                       |         |
| Anjali U V.        | Aquatic-Swimming-III Place                                   |         |
| Arathi Raveendran  | Mappilapattu- III place                                      | 2016-17 |
| Anulakshmi P.      | Mappilapattu- III place                                      |         |
| Athira V.          | Group Dance- III place                                       |         |

24. List of eminent academicians and scientists/ visitors to the department

| Year    | Name and designation   |
|---------|--|
| 2010-11 | Dr. K. Rajmohana, Scientist, Western Ghat Regional Centre, Z S I, Kozhikode    |
|         | Dr. Molly Kuruvila, Head, Department of Women’s Studies, University of Calicut |
|         | Sri. C. Sashikumar, Malabar Natural History Society, Kozhikode                 |
|         | Dr.Prof.K.P.Janardhanan,FormerHead, Department of Zoology, University of       |

|         |  |
|---------|--|
|         | Calicut  |
| 2011-12 | Dr. P.S. Easa, Director, Kerala Forest Research Institute, Thrissur  |
|         | Dr. P.M.Sureshan, Director in charge, Western Ghat Regional Centre, ZSI, Kozhikode   |
|         | Dr. Aravind N.A, Scientist, ATREE, Bangalore   |
|         | Dr. Gigi K. Joseph, Asst. Professor, Nirmala College, Muvattupuzha   |
|         | Dr. Muhamed Jaffer Palot, Western Ghat Regional Centre, Z S I, Kozhikode   |
|         | Dr. P. Pramod, Scientist, SACON, Coimbatore  |
| 2012-13 | Dr. Sushanth C.M., Scientist, CWRDM, Kozhikode   |
|         | Dr. E.J Joseph, Scientist, CWRDM, Kozhikode  |
| 2014-15 | Dr. K.Sudha, Asso.Prof., PG and Research Dept. of Zoology, S.N. College, Kannur  |
| 2016-17 | Dr. Sathees C. Raghavan (Shanti Swaroop Bhatnagar Award Winner), Associate Professor, Department of Biochemistry, IISc., Bangalore |

25. Seminars/ Conferences/Workshops organized & the source of funding

| Item            | Title/Programme                         | Funding agency | International/<br>National/Regional | Year    |
|-----------------|---|----------------|-------------------------------------|---------|
| <b>Seminar</b>  | World Environment Day celebration       | KSCSTE & DST   | Regional                            | 2010-11 |
|                 | National Science Day celebration        | KSCSTE & DST   | Regional                            | 2010-11 |
|                 | Faunal Diversity of Kerala              | UGC            | National                            | 2011-12 |
|                 | World Environment Day celebration       | KSCSTE & DST   | Regional                            | 2012-13 |
|                 | National Science Day celebration        | KSCSTE & DST   | Regional                            | 2012-13 |
|                 | World Environment Day celebration       | KSCSTE & DST   | Regional                            | 2013-14 |
|                 | Ozone Day celebration                   | KSCSTE & DST   | Regional                            | 2013-14 |
|                 | National Science Day celebration        | KSCSTE & DST   | Regional                            | 2013-15 |
|                 | National Science Day celebration        | KSCSTE & DST   | Regional                            | 2014-15 |
|                 | Ozone Day celebration                   | KSCSTE & DST   | Regional                            | 2016-17 |
| <b>Workshop</b> | National Environment Awareness Campaign | CED&MoEF       | Regional                            | 2014-15 |
|                 | National Environment Awareness Campaign | CED&MoEF       | Regional                            | 2015-16 |
|                 | Urja Kiran                              | EMC&CED        | Regional                            | 2015-16 |
|                 | Urja Kiran                              | EMC&CED        | Regional                            | 2016-17 |

26. Student profile programme/course wise

| Name of the Course/ programme<br>(refer question no. 4) |              |        | Applications<br>received | Selected | Enrolled |    | Pass<br>% |
|---|--------------|--------|--------------------------|----------|----------|----|-----------|
|   |              |        |                          |          | *M       | *F |           |
| 2010-11   | B.Sc.Zoology |        |                          | 30       | 4        | 20 | 96        |
| 2011-12   | B.Sc.Zoology |        |                          | 30       | 3        | 23 | 100       |
|   | Open course  | V SEM  | 112                      | 47       | 5        | 42 | 100       |
|   |              | VI SEM | 124                      | 51       | 6        | 45 | 100       |
| 2012-13   | B.Sc.Zoology |        |                          | 30       | 3        | 20 | 100       |
|   | Open course  | V SEM  | 109                      | 50       | 4        | 46 | 100       |
|   |              | VI SEM | 103                      | 46       | 7        | 39 | 100       |
| 2013-14   | B.Sc.Zoology |        |                          | 30       | 2        | 21 | 100       |
|   | Open course  | V SEM  | 106                      | 40       | 8        | 32 | 100       |
|   |              | VI SEM | 111                      | 53       | 9        | 44 | 100       |
| 2014-15   | B.Sc.Zoology |        |                          | 30       | 1        | 26 | 93        |
|   | Open course  | V SEM  | 122                      | 50       | 9        | 41 | 100       |
|   |              | VI SEM | 108                      | 53       | 7        | 46 | 100       |
| 2015-16   | B.Sc.Zoology |        |                          | 30       | 3        | 27 | 100       |
|   | Open course  | V SEM  | 131                      | 50       | 10       | 40 | 100       |
|   |              | VI SEM | 102                      | 53       | 13       | 40 | 100       |

\*M = Male \*F = Female

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.-nil

| Year    | NET | SLET | GATE | Civil Services | Defence Services |
|---------|-----|------|------|----------------|------------------|
| 2010-11 |     |      |      |                |                  |
| 2011-12 |     |      |      |                |                  |
| 2012-13 |     |      |      |                |                  |
| 2013-14 |     |      |      |                |                  |
| 2014-15 |     |      |      |                |                  |
| 2015-16 |     |      |      |                |                  |

28. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| B.Sc. Zoology      | 100%                              | -                               | -                         |

29. Student progression

| Year    | UG to PG | PG to M.Phil. | PG to Ph.D. | Ph.D. to Post-Doctoral | Employed         |                               | Entrepreneurship/ Selfemployment - ment |
|---------|----------|---------------|-------------|------------------------|------------------|-------------------------------|---|
|         |          |               |             |                        | Campus selection | Other than campus recruitment |   |
| 2010-11 | 7        |               |             |                        |                  | 4                             |   |
| 2011-12 | 17       |               |             |                        |                  | 3                             |   |
| 2012-13 | 14       |               |             |                        |                  | 1                             |   |

|         |    |  |  |  |  |  |  |
|---------|----|--|--|--|--|--|--|
| 2013-14 | 13 |  |  |  |  |  |  |
| 2014-15 | 16 |  |  |  |  |  |  |
| 2015-16 | 14 |  |  |  |  |  |  |

### 30. Details of Infrastructural facilities

|   |   |  |
|---|---|--|
| a) Library                                    | Department library and book bank with 500 books and 4 journals  |  |
| b) Internet facilities for staff and students | Three desk top computers with internet facility   |  |
| Class rooms with ICT facility                 | LCD Projector is made available in one class room   |  |
| Laboratories                                  | 5. One well equipped laboratory for B.Sc. students  |  |
|   | 6. One research laboratory with facilities like :<br><ul style="list-style-type: none"> <li>• Trinocular Zoom Stereoscopic</li> <li>• Microscopes</li> <li>• Micrometres</li> <li>• Camera Lucida</li> <li>• Micro Centrifuge</li> <li>• Homogenizer</li> <li>• Electrophoretic Units</li> <li>• U V Trans illuminator</li> </ul> | <ul style="list-style-type: none"> <li>• TLC Developing Chambers</li> <li>• Laminar Flow Cabinet</li> <li>• Autoclave</li> <li>• Water Still</li> <li>• Water Bath</li> <li>• Medical Incubator</li> <li>• Digital pH Meter</li> <li>• Analytical Balance</li> <li>• S L R Camera</li> </ul> |

### 31. Number of students receiving financial assistance from college, university, government or other agencies:

| Agency     | 2012-2013 | 2013-2014 | 2014-2015 | 2015-16 | 2016-17 |
|------------|-----------|-----------|-----------|---------|---------|
| University | -         | -         | -         | -       | -       |
| Government | 79        | 72        | 76        | 75      | 69      |

### 32. Details on student enrichment programmes (special lectures/workshops / seminar) with external experts

- Academic Enrichment Programme – one day seminar supported by IQAC of the college – attended by Dr. G. Anilkumar, School of Bioscience and Technology, VIT, Vellore
- Lecture by Prof Dr. K.P. Janardhanan, former Head, Dept. of Zoology, University of Calicut.
- Lecture by Dr. M.V. Vasanthakumar, Head, PG Dept. of Zoology, S.N.College, Kannur.
- Cancer Awareness Programme in association with Health Department.
- A seminar on “Life Skills”, in association with AFRC, Kalpetta.
- Lecture by Dr. K. Sudha, PG Dept. of Zoology, S.N.College, Kannur.
- Extension activities with hands-on training in Organic Farming and Vermicomposting and apiculture for the parents of our students in association with Kerala Agricultural Department and Khadi and Village Industries, Kannur.

- A session on higher study options and career advancement was done by Ms. Kavitha Anand, VIT, Vellore, former student of the Department.
- Talk by Sri. C. Sunilkumar, Seed Co-coordinator and Chief Photographer of Mathrubhumi Daily on importance of biodiversity conservation.
- Talk by Dr. Sathees C. Raghavan, (Bhatnagar Award Winner), Associate Professor, Department of Biochemistry, IISc. Bangalore.

33. Teaching methods adopted to improve student learning:

- Entry level tests.
- Induction programme.
- ICT enabled teaching.
- Effective tutorial system

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- The department tries to develop the spirit of scientific enquiry as well as responsible citizenship in students. Through diverse mechanisms we extend our resources for the benefit of the society. Regular blood donation and blood group detection programmes are conducted by the department in collaboration with various agencies. We keep a blood donors' directory and information is made available to the needy. Such activities are found to be positively influential among students and community.
- Annual departmental study trips to areas of ecological importance aim at developing naturalistic as well as aesthetic qualities in students. With the motto of sustainability and conservation, we maintain a vermin compost tank and a garden. A butterfly garden is also set in the campus.
- The Department prepared a campus biodiversity register with the support of Kerala State Biodiversity Board in 2010-11 and is updating the data every year with the support of our students.
- Our extension activities are focused on dissemination and application of knowledge at different strata of society. Students interacted with school children on conservation of biodiversity and took classes for them. Hand on training in apiculture and vermin culture was given to the students and parents. An extensive programme on conservation of energy was done by the department in three legislative constituencies in Kannur. Planned at three tiers of activity- energy audit, awareness on conservation and feedback- the programme helped us to extend our scientific knowledge for the benefit of society as well as training for students in responsible citizenship.

35. SWOC analysis of the department and future plans

STRENGTHS

- We have proven ability to produce excellent academic outcome- one of the best results among colleges coming under Kannur University.
- Open courses offered by the Department, (Apiculture & Sericulture and Aquaculture vocationally oriented. These courses are widely opted by students.
- Two faculty members of the Department have Ph.D. degree and it adds to our research potential. The ongoing minor research project is funded by UGC.
- The Department is regularly supported by agencies such as KSCSTE, DST, NEAC etc. for conducting co-curricular and extension activities.
- Department has a well equipped audio-visual section with computers, laptop, LCD projectors, DSLR Camera etc. which gives technical back-up for the teaching-learning process.



- A research lab is set up with equipments such as trinocular stereoscopic microscope, centrifuge, electrophoretic unit, colorimeter, incubator, hot air oven and electronic balance.
- We have a strong tutorial system for our students and follow-up regarding the future academic outcome of our students.

#### WEAKNESSES

- Though we set a research lab, it lacks sophisticated equipments and infrastructural facilities.
- Lack of room space for the lab.
- Lack of an animal house
- Lack of permanent technological support in our classroom

#### OPPORTUNITIES

- The Department can offer PG programme in future. This would help to provide affordable quality education to the meritorious as well as less privileged sections of the society.
- Upgrading as a research Department.
- Vocational courses such as Apiculture, Sericulture and Aquaculture etc. can be introduced as short-term certificate courses.
- Offer professional and technological assistance in doing projects by students of other institutions or agencies.
- Department can take up independent projects like impact assessment studies etc. with external funding.
- Act as a medium to disseminate the theoretical as well as practical aspects of the subject in association with governmental and non-governmental agencies.
- So as to make the basic science course more effective, new courses which cater to the requirements of the changing global scenario can be designed and offered by the Department.

#### CHALLENGES

- Professional and vocational courses which attract students due to their higher rate of employability.
- Being stuck to the traditional courses and patterns, lack of academic freedom etc., reduces the chances of exploring the new frontiers of the subject. Inability to readily update according to the changing demands of the society.
- Interdisciplinary approach is not properly adopted due to various constraints. This may prove detrimental in future.
- Shortage in financial aids and funding may hinder the progress of the Department.

#### FUTURE PLAN

- Start PG programme
- Improve research facilities
- Submission of Major research project
- Certificate programme in Aquaculture

## Department of Botany

|   |  |   |                     |        |
|---|--|---|---------------------|--------|
| 1 | Name of the Department   | Department of Botany  |                     |        |
| 2 | Year of Establishment  | 1993  |                     |        |
| 3 | Names of Programmes/Courses Offered  | UG  | B.Sc. Plant Science |        |
|   |  | PG  | Nil                 |        |
| 4 | Names of Interdisciplinary courses and departments involved                              | Nil   |                     |        |
| 5 | Annual/ Semester/choice based credit system (programme wise)                             | Choice Based Credit and Semester System for UG (6 Semester)   |                     |        |
| 6 | Participation of the department in the courses offered by other departments              | <ul style="list-style-type: none"><li>• Complementary course offered to B.Sc. Zoology Programme</li><li>• Open course in Mushroom Cultivation, Biotechnology and Medicinal plants offered to UG students.</li></ul> |                     |        |
| 7 | Courses in collaboration with other universities, industries, foreign institutions, etc. | Nil   |                     |        |
| 8 | Details of courses/programmes discontinued (if any) with reasons                         | Nil   |                     |        |
| 9 | Number of teaching posts   | Post  | Sanctioned          | Filled |
|   |  | Professors  | -                   | -      |
|   |  | Associate Professors  | -                   | -      |
|   |  | Asst. Professors  | 01                  | 01     |

10. Faculty Profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

| Name              | Designation    | Qualification     | Specialization    | No. of Years of Experience | No. of PhD Students guided |
|-------------------|----------------|-------------------|-------------------|----------------------------|----------------------------|
| Dr.Balakrishnan.P | Asst.Professor | MSc MPhil<br>Ph.D | Botany<br>General | 12                         | Nil                        |

11. List of senior visiting faculty Nil

12. Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty: (in %)

| Year          | 2012-2013 |    | 2013-2014 |    | 2014-2015 |    | 2015-2016 |    | 2016-17 |    |
|---------------|-----------|----|-----------|----|-----------|----|-----------|----|---------|----|
| Programme     | UG        | PG | UG        | PG | UG        | PG | UG        | PG | UG      | PG |
| % of Lectures |           |    | 78        |    | 78        |    | 78        |    | 78      |    |

13. Student Teacher Ratio (Programme wise)

| UG   |               | PG |
|------|---------------|----|
| Core | Complementary |    |
| 15:1 | 25:1          |    |

14. Number of academic support staff (technical) and administrative staff ; sanctioned and filled

|               | Sanctioned | Filled |
|---------------|------------|--------|
| Lab Assistant | 1          | Nil    |

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

| Number of present faculty members with highest degree |      |       |    |
|---|------|-------|----|
| D.Sc/ D.Litt  | Ph.D | MPhil | PG |
| Nil   | 1    | -     | -  |

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST, DBT, ICSSR, etc. and grants received

| Name               | Agency | Year of sanction | Grant received | Status    |
|--------------------|--------|------------------|----------------|-----------|
| Dr. Balakrishnan P | UGC    | 2012             | 1,50,000.00    | Completed |

18. Research Centre/Facility recognized by the University Nil

19. a) Publication per faculty

| Publication per faculty | National  |               | International |               | Total |
|-------------------------|-----------|---------------|---------------|---------------|-------|
|                         | 2010-2016 | Prior to 2010 | 2010-2016     | Prior to 2010 |       |
| Dr. Balakrishnan P      | 2         | 8             |               |               | 10    |

b) Number of papers published in peer reviewed journals (b1.national / b2.international) by faculty and students

c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

d) Monographs: Nil

e) Chapter in Books

| Name of the Teacher | Publications in Books as chapters |
|---------------------|-----------------------------------|
| Dr. Balakrishnan P  | 1                                 |

f) Books Edited: Nil

g) Books with ISBN/ISSN numbers with details of publishers: Nil

h) Citation Index-Nil

i) SNIP: Nil

j) SJR: Nil

k) Impact factor- Nil

l) h-index-Nil

| Faculty           | a | b | C | d | E | f | g | h | i | J | k | l |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| Dr.Balakrishnan P | 2 |   |   |   |   |   |   |   |   |   |   |   |

20. Areas of Consultancy and Income Generated:

| Faculty           | Programme/Areas of consultancy  | Year |
|-------------------|---|------|
| Dr.Balakrishnan P | 1.Greenhouse cultivation of vegetables<br>2. Areas of consultancy: Applied Botany, Bio-diversity, Bio-remediation, Mycology including mushroom biology and Pathology. | 2012 |

21. Faculty as members in a) National committees b) International Committees c)Editorial Boards: Nil

22. Student projects

|   |      |
|---|------|
| a) Percentage of students who have done in-house projects including inter departmental/programme  | 100% |
| b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies | Nil  |

23. Awards/ Recognitions received by faculty and students:

| Achievement of Students |   |           |
|-------------------------|---|-----------|
| Name                    | Item  | year      |
| Amrutha.V.S             | Kuchpudi -I prize - Kannur Uty Arts Fest          | 2014-2015 |
|                         | Bharathanattyam III prize Kannur Uty Arts Fest    | 2016-2017 |
|                         | Kuchpudi II prize, Kannur Uty Arts Fest           | 2016-2017 |
| Delvin Joseph           | Silver medal in Kannur Uty Wrestling Championship | 2016-2017 |

24. List of eminent academicians and scientists/ visitors to the department

| Year    | Name and designation                             |
|---------|--|
| 2014-15 | Dr. C. Kunhikannan, Scientist, IFGTB, Coimbatore |
| 2015-16 | Dr. C. Kunhikannan, Scientist, IFGTB, Coimbatore |

25. Seminars/ Conferences/Workshops organized & the source of funding

| Item     | Title/Programme           | Funding agency | International/ National/Regional | Year |
|----------|---------------------------|----------------|----------------------------------|------|
| Seminar  | 1. Mycorrhiza             | College KSCSTE | Regional                         | 2011 |
|          | 2. Bio-divesity of Kannur |                |                                  | 2011 |
| Workshop | 1.Plant propagation       |                | Regional                         | 2016 |

26. Student profile programme/course wise

| Name of the Course/ programme (refer question no. 4) |                     | Applications Received | Selected | Enrolled |    | Pass % |
|--|---------------------|-----------------------|----------|----------|----|--------|
|  |                     |                       |          | *M       | *F |        |
| 2016-17  | B.Sc.Plant Science  | 780                   | 30       | 1        | 29 | -      |
| 2015-16  | B.Sc. Plant Science | 700                   | 24       | 1        | 23 | -      |
|  | Open course         | V SEM                 | 41       |          |    |        |
|  |                     | VI SEM                | 15       |          |    |        |
| 2014-15  | B.Sc. Plant Science | 500                   | 24       | 3        | 20 | -      |
| 2013-14  | B.Sc. Plant Science | 200                   | 24       | 4        | 20 | 100    |

\*M = Male \*F = Female

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc. Nil

28. Diversity of Students

| Name of the Course  | % of students from the same state | % of students from other States | % of students from abroad |
|---------------------|-----------------------------------|---------------------------------|---------------------------|
| B.Sc. Plant Science | 100%                              | -                               | -                         |

29. Student progression

| Year    | UG to PG | PG to M.Phil. | PG to Ph.D. | Ph.D. to Post-Doctoral | Employed         |                               | Entrepreneurship/ Self-employment |
|---------|----------|---------------|-------------|------------------------|------------------|-------------------------------|-----------------------------------|
|         |          |               |             |                        | Campus selection | Other than campus recruitment |                                   |
| 2015-16 | 3        |               |             |                        |                  | 1                             | 1                                 |

30. Details of Infrastructural facilities

|   |   |
|---|---|
| a) Library                                    | Nil   |
| b) Internet facilities for staff and students | Available                                       |
| Class rooms with ICT facility                 | LCD Projector is made available for common use. |

|              |   |
|--------------|---|
| Laboratories | One well equipped laboratory for B.Sc. students   |
|              | <ul style="list-style-type: none"> <li>• Research laboratory with facilities like :</li> <li>• Laminar Air flow Chamber</li> <li>• Binocular Microscopes</li> <li>• Autoclave</li> <li>• Digital pH Meter</li> <li>• Digital balance</li> </ul> |

31. Number of students receiving financial assistance from college, University, Government or other agencies

| Agency     | 2012-2013 | 2013-2014 | 2014-2015 | 2015-16 | 2016-2017 |
|------------|-----------|-----------|-----------|---------|-----------|
| University | -         | -         | -         | -       | -         |
| Government | -         | 13        | 26        | 32      | 37        |

32. Details on student enrichment programmes (special lectures/workshops / seminar) with external experts

1. One day seminar on Bioresources-Dr. C. Kunhikannan, Scientist, IFGTB (ICAR), Coimbatore.
2. Special lecture on Bryophyte diversity-Dr. Anpin Raja, Nirmalagiri College, Koothuparamba, kannur.
3. Special lecture on Biodiversity of midland hills of Kerala-Dr. C Pramod, Govt. Brennen College, Tellicherry, Kannur.
4. One day seminar on Medicinal Plants-Dr. C. Kunhikannan, IFGTB (ICAR), Coimbatore.
5. Workshop on Plant propagation.
6. Field study at University of Calicut Botanic garden.
7. Visit to R & D institutions- KFRI, Department of Botany, University of Calicut.

33. Teaching methods adopted to improve student learning:

- Entry level aptitude tests.
- College level induction programme
- ICT enabled teaching
- Field oriented studies
- Motivation integrated classes.

34. Participation in Institutional Social Responsibility **ISR**

Biodiversity conservation-the department maintains a collection of traditional varieties of mango

Food security-the department promotes organic farming and green living

Traditional medicine-the department promotes traditional healthcare and conservation of medicinal plants.

**Extension activities**

The department conducted two extension activities in the last 3 years

1. Vegetable cultivation and seed distribution in collaboration with VFPC.
2. Mushroom cultivation
3. Plant propagation

35. **SWOC** analysis of the department and future plans

**STRENGTHS**

- Promising academic outcome-the first batch passed out in 100%.
- One faculty member has Ph. Ds and is involved in research.
- Excellent teacher-student relationship and participation in institutional programmes.

- Social responsibility programmes.

#### WEAKNESSES

- Insufficient space & infrastructure
- Insufficient Permanent faculties
- Shortage of fund

#### OPPORTUNITIES

- Very high demand for the course
- Potential for development and diversification

#### CHALLENGES

- Nil

#### FUTURE PLAN

- Strengthening of faculty
- Development of infrastructure.
  1. Space
  2. Library and reading room.
  3. Existing UG lab up gradation
  4. Up gradation of research lab.
  5. Development of Botanic garden, herbal garden and field laboratory.
  6. Strengthening of research and social responsibility programmes

### Department of History

|   |  |  |                      |        |
|---|--|--|----------------------|--------|
| 1 | Name of the Department   | Department of History  |                      |        |
| 2 | Year of Establishment  | 1995   |                      |        |
| 3 | Names of Programmes/Courses Offered  | UG   | B.A. History (Aided) |        |
|   |  | PG   |                      |        |
| 4 | Names of Interdisciplinary courses and departments involved                              | Nil  |                      |        |
| 5 | Annual/ Semester/choice based credit system (programme wise)                             | Choice Based Credit and Semester System for UG (6 Semester)  |                      |        |
| 6 | Participation of the department in the courses offered by other departments              | <ul style="list-style-type: none"><li>Open course in socio reform movements offered to all UG students of V semester</li></ul> |                      |        |
| 7 | Courses in collaboration with other universities, industries, foreign institutions, etc. | Nil  |                      |        |
| 8 | Details of courses/programmes discontinued (if any) with reasons                         | Nil  |                      |        |
| 9 | Number of teaching posts   | Post   | Sanctioned           | Filled |
|   |  | Professors   | -                    | -      |
|   |  | Associate Professors   | -                    | -      |
|   |  | Asst. Professors   | 3                    | 2      |

10. Faculty Profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M. Phil. etc.)

| Name                   | Designation         | Qualification  | Specialization            | No. of Years of Experience | No. of PhD Students guided |
|------------------------|---------------------|----------------|---------------------------|----------------------------|----------------------------|
| Dr.Radhamani. C.P      | Assistant Professor | M.A,M.Phil,PhD | Ancient India             | 7                          | Nil                        |
| Dr.Samyuktha Sasikumar | Assistant Professor | M.A, PhD       | Ancient India Archaeology | 3                          | Nil                        |

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty: (in %)

| Year          | 2012-2013 |      | 2013-2014 |      | 2014-2015 |      | 2015-2016 |      | 2016-17 |    |
|---------------|-----------|------|-----------|------|-----------|------|-----------|------|---------|----|
| Programme     | UG        | PG   | UG        | PG   | UG        | PG   | UG        | PG   | UG      | PG |
| % of Lectures | 100       | ---- | Nil       | ---- | 67        | ---- | 67        | ---- | 34      |    |

13. Student Teacher Ratio (programme wise)

| UG   |               | PG    |
|------|---------------|-------|
| Core | Complementary |       |
| 1:60 | 1:60          | ----- |



14. Number of academic support staff (technical) and administrative staff ; sanctioned and filled

| Support staff | Sanctioned | Filled |
|---------------|------------|--------|
| Nil           | Nil        | Nil    |

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

| Number of present faculty members with highest degree |      |       |    |
|---|------|-------|----|
| D.Sc/ D.Litt  | Ph.D | MPhil | PG |
| Nil   | 2    | 1     | -  |

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received Nil

17. Departmental projects funded by DST, DBT, ICSSR, etc. and grants received: Nil.

18. Research Centre/Facility recognized by the University: Nil

19. Publications:

a) Publication per faculty

b) Number of papers published in peer reviewed journals (b1.national / b2.international) by faculty and students:

c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

d) Monographs

e) Chapter in Books

f) Books Edited

g) Books with ISBN/ISSN numbers with details of publishers

h) Citation Index

i) SNIP

j) SJR

k) Impact factor

l) h-index

| Faculty          | a | b | c | d | e | f | g | h | i | J | k | l |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| Dr.Radhamani.C.P |   | 1 |   |   |   |   |   |   |   |   |   |   |

20. Areas of Consultancy and Income Generated Nil

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards:

| Faculty          | Membership                               | Year         |
|------------------|--|--------------|
| Dr.Radhamani.C.P | Annual member in Indian History Congress | 2013 onwards |
|                  | Annual membership in ASWS                | “            |

22. Student projects

|   |      |
|---|------|
| a) Percentage of students who have done in-house projects including inter departmental/programme  | 100% |
| b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies | Nil  |

23. Awards/ Recognitions received by faculty and students:

| Name of Student | Award/Recognition                               |
|-----------------|---|
| Sijish.P        | Theruvu natakam winner in University Kalolsavam |

|               |   |
|---------------|---|
| Robin Francis | Triple Jump I prize 2011,2012,Kannur University   |
| Jamshad .K    | III prize Kannur University ShotPut Championship.                                       |
| Mubaseer.K.P  | Represented Kannur Dist in the Kerala Youth and Senior Volleyball championship in 2014. |
| Rahul U       | Participated in the All India Softball Championship in 2014.                            |

24. List of eminent academicians and scientists/ visitors to the department

| Year    | Name and designation   |
|---------|--|
| 2010-11 | M.R Raghava Varrier, eminent Historian   |
| 2011-12 | M.R. Manmadan, Eminent historian Associate Professor, Feroke College   |
| 2013-14 | Padmasree Sri Mattannur Sankaran Kutty, famous artist  |
| 2014-15 | Dr.K K N Kurup , eminent Historian and former Vice Chancellor of Calicut University  |
| 2015-16 | Dr.K.N.Ganesh eminent Historian, HOD of History, Calicut University  |
| 2016-17 | Dr,P.J.Vincent, Press Secretary to the Honourable Speaker, Kerala legislative Assembly and Assistant Professor, Govt Arts and Science College, Kozhikode |

25. Seminars/ Conferences/Workshops organized & the source of funding

| Item     | Title/Programme                               | Funding agency | International/<br>National/Regional | Year    |
|----------|---|----------------|-------------------------------------|---------|
| Seminar  | Historical Significance of Pazhassi Rebellion | Dept. fund     | Regional                            | 2010-11 |
|          | Megalithic Culture in Kerala                  | Dept. fund     | Regional                            | 2010-11 |
|          | Agrarian relations in medieval Kerala society | Dept. fund     | Regional                            | 2014-15 |
|          | Role of temples in medieval kerala            | Dept. fund     | Regional                            | 2014-15 |
|          | Oral tradition and local history              | Dept. fund     | Regional                            | 2014-15 |
| Workshop | Archival Studies                              | Dept. fund     | Regional                            | 2012-13 |

26. Student profile programme/course wise

| Name of the Course/ programme<br>(refer question no. 4) |             |        | Applications<br>Received | Selected | Enrolled |    | Pass<br>% |
|---|-------------|--------|--------------------------|----------|----------|----|-----------|
|   |             |        |                          |          | *M       | *F |           |
| 2010-11   | B.A.History |        | 563                      | 60       | 12       | 48 | 76        |
| 2011-12   | B.A.History |        | 765                      | 60       | 14       | 46 | 88.88     |
|   | Open course | V SEM  | 19                       | 19       | 04       | 15 | 100       |
| 2012-13   | B.A.History |        | 880                      | 60       | 15       | 45 | 81.63     |
|   | Open course | V SEM  | 55                       | 50       | 16       | 34 | 96        |
|   |             | VI SEM | 52                       | 50       | 14       | 36 | 98        |
| 2013-14   | B.A.History |        | 925                      | 60       | 14       | 46 | 77        |
|   | Open course | V SEM  | 65                       | 50       | 14       | 36 | 100       |
|   |             | VI SEM | 78                       | 50       | 15       | 35 | 100       |
| 2014-15   | B.A.History |        | 1102                     | 60       | 14       | 46 | 72.55     |
|   | Open course | V SEM  | 70                       | 50       | 8        | 42 | 100       |
|   |             | VI SEM | 62                       | 50       | 12       | 38 | 98        |

|         |             |        |      |    |    |    |       |
|---------|-------------|--------|------|----|----|----|-------|
| 2015-16 | B.A.History |        | 1543 | 60 | 15 | 45 | 88.67 |
|         | Open course | V SEM  | 83   | 60 | 19 | 41 | 97    |
|         |             | VI SEM | 80   | 59 | 18 | 41 | 98    |
| 2016-17 | B.A.History |        | 1736 | 60 | 14 | 46 |       |
|         | Open course | V SEM  | 67   | 50 | 13 | 37 | 100   |

\*M = Male \*F = Female

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc. Nil

28. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| BA History         | 100%                              | -                               | -                         |

29. Student progression

| Year    | UG to PG | PG to M.Phil. | PG to Ph.D | Ph.D. to Post-Doctoral | Employed         |                               | Entrepreneurship/ Self-employment |
|---------|----------|---------------|------------|------------------------|------------------|-------------------------------|-----------------------------------|
|         |          |               |            |                        | Campus selection | Other than campus recruitment |                                   |
| 2010-11 | 09       |               |            |                        |                  |                               |                                   |
| 2011-12 | 14       |               |            |                        |                  |                               |                                   |
| 2012-13 | 12       |               |            |                        |                  |                               |                                   |
| 2013-14 | 18       |               |            |                        |                  |                               |                                   |
| 2014-15 | 19       |               |            |                        |                  |                               |                                   |
| 2015-16 | 17       |               |            |                        |                  |                               |                                   |

31. Details of Infrastructural facilities

|   |  |
|---|--|
| a) Library                                    | Department library and book bank with 113        |
| b) Internet facilities for staff and students | one desk top computers with internet facility    |
| Class rooms with ICT facility                 | LCD Projector is made available in one classroom |
| Laboratories                                  | Nil  |
| Pazhassi Archives                             | 1  |

32. Number of students receiving financial assistance from college, University, Government or other agencies:

| Agency     | 2012-2013 | 2013-2014 | 2014-2015 | 2015-16 | 2016-17 |
|------------|-----------|-----------|-----------|---------|---------|
| University | Nil       | Nil       | Nil       | Nil     | Nil     |
| Government | 108       | 119       | 132       | 165     | 162     |

33. Details on student enrichment programmes (special lectures/workshops / seminar) with external experts

| Year    | Name and designation   |
|---------|--|
| 2010-11 | M.R Raghava Varier, Eminent Historian on 30 November 2010.   |
|         | Dr.Jayasree Nair, Associate Professor, NAS College, Kanhangad  |
|         | M.R.Manmadan, Associate Professor, Feroke College  |
| 2012-13 | Sri. Eswaran Puthiyillam, Lecturer and course coordinator of Centre for Heritage Studies, Tripunithura |
| 2014-15 | Dr.K K N Kurup , eminent Historian and former Vice Chancellor of Calicut                               |

|         |   |
|---------|---|
|         | University on 27-11-2014.   |
|         | Dr. V Dineshan, Assistant professor ,Brennan College                          |
|         | Dr.K.N.Ganesh eminent Historian, HOD of History, Calicut University           |
| 2015-16 | Dr.Abdul Assis,Principal,Sir Syed College on 01-11-2016                       |
|         | Dr. Joy Varkey, Associate Professor, NAM College Kallikandy                   |
|         | Dr,P.J.Vincent, Press Secretary Honorable Speaker Kerala Legislature Assembly |

### 34. Teaching methods adopted to improve student learning:

- ICT enabled learning.
- Effective tutorial system
- Remedial coaching and Peer teaching
- Assignments seminars and discussions
- Personal attention

### 35. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Mattannur Municipality organized a local history writing programme, in association with the department, in which students along with the public in large number, also participated.
- The department has conducted classes' interactive programmes, quiz competition etc., in various schools.
- Active participation of students in NCC/ NSS etc
- Students from nearby schools and public do visit the Pazhassi museum of the Department.

### 36. SWOC analysis of the department and future plans

#### STRENGTH

- We offer an affordable and value based education.
- We have three full time faculties out of which two are PhD degree holders.
- We offer an advanced and updated syllabus.
- Good track record in both academic and non-academic activities
- Maintains Pazhassi archives and museum.
- Remedial and tutorial systems are very strong.

#### WEAKNESS

- Pazassi archives needs renovation and more infrastructure.
- Need of smart class room, adequate computers, reading room etc.
- Not a post graduate department.
- Funding and fund raising is very difficult as majority of the students are from rural areas.
- No adequate research facilities.
- The progression of SC /ST students is low

#### OPPORTUNITIES

- Job opportunities in the computer field.
- Certificate courses can be conducted in indigenous heritage tourism.
- Can conduct diploma course in archival studies.

#### CHALLENGES

- Students are attracted to technical courses and job oriented courses.

- The poor infrastructure facilities.
- Community's disengagement and complacency.
- Fund shortage.
- Economic backwardness distracts some of the students.

**FUTURE PLANS:**

- To improve the academic quality and understanding of the subject
- To create achieve result of hundred percent pass of the students
- Implementation of new methods in teaching
- Begin PG course in History.
- Renovation of museum with co-operation of public, students, alumni and social organizations

**Department of Economics**

|   |  |  |                       |        |
|---|--|--|-----------------------|--------|
| 1 | Name of the Department   | Department of Economics  |                       |        |
| 2 | Year of Establishment  | 1964:Pre-degree Course in Economics<br>1967:Degree Course in double main(Economics& History)<br>1995:Bifurcation of double main into single main                                     |                       |        |
| 3 | Names of Programmes/Courses Offered  | UG   | B.A Economics (Aided) |        |
|   |  | PG   |                       |        |
| 4 | Names of Interdisciplinary courses and departments involved                              | Nil  |                       |        |
| 5 | Annual/ Semester/choice based credit system (programme wise)                             | Choice Based Credit and Semester System for UG (6 Semesters)   |                       |        |
| 6 | Participation of the department in the courses offered by other departments              | <ul style="list-style-type: none"><li>Complementary course offered to B.A History Programme</li><li>Students of V Semester choose open course offered by other departments</li></ul> |                       |        |
| 7 | Courses in collaboration with other universities, industries, foreign institutions, etc. | Nil  |                       |        |
| 8 | Details of courses/programmes discontinued (if any) with reasons                         | Nil  |                       |        |
| 9 | Number of teaching posts   | Post   | Sanctioned            | Filled |
|   |  | Professors   | -                     | -      |
|   |  | Asso. Professors   | 1                     | 1      |
|   |  | Asst. Professors   | 2                     | 2      |

**10. Faculty Profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D. / M.Phil .etc.)**

| Name                 | Designation           | Qualification       | Specialization                                | No. of Years of Experience | No. of PhD Students guided |
|----------------------|-----------------------|---------------------|---|----------------------------|----------------------------|
| Dr K B Vidhya        | MA,B Ed, M Phil, Ph.D | Associate Professor | Development Economics, Agricultural Economics | 30 years                   | Nil                        |
| Arathy S Nair        | MA, NET-JRF           | Assistant Professor | Environmental Economics, Gender Economics     | 3years                     | Nil                        |
| Dr Praveed Ninkileri | MA,B Ed, Ph D,NET-    | Assistant Professor | Industrial Economics,                         | 3 years                    | Nil                        |

|  |     |  |                |  |  |
|--|-----|--|----------------|--|--|
|  | JRF |  | Public Finance |  |  |
|--|-----|--|----------------|--|--|

11. List of senior visiting faculty Nil

12. Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty: (in %)

| Year          | 2012-2013 |    | 2013-2014 |    | 2014-2015 |    | 2015-2016 |    | 2016-17 |    |
|---------------|-----------|----|-----------|----|-----------|----|-----------|----|---------|----|
| Programme     | UG        | PG | UG        | PG | UG        | PG | UG        | PG | UG      | PG |
| % of Lectures | 17        |    | 17        |    | 17        |    | 17        |    | 17      |    |

13. Student Teacher Ratio (programme wise)

| UG   |               | PG |
|------|---------------|----|
| Core | Complementary |    |
| 60:1 | 60:1          |    |

14. Number of academic support staff(technical) and administrative staff ;sanctioned and filled

| Support staff | Sanctioned | Filled |
|---------------|------------|--------|
| Lab Assistant | Nil        | Nil    |

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

| Number of present faculty members with highest degree |      |       |    |
|---|------|-------|----|
| D.Sc/ D.Litt  | Ph.D | MPhil | PG |
| Nil   | 2    | Nil   | 1  |

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

| Name          | Agency | Year of sanction | Grant received | Status    |
|---------------|--------|------------------|----------------|-----------|
| Dr K B Vidhya | UGC    | 2013             | 57,000.00      | Completed |
| Arathy S Nair | UGC    | 2016             | 50000.00       | Ongoing   |

17. Departmental projects funded by DST, DBT, ICSSR, etc. and grants received: Nil

18. Research Centre/Facility recognized by the University Nil

19. Publications:

a) Publication per faculty

| Publication per faculty | National  |               | International |               | Total |
|-------------------------|-----------|---------------|---------------|---------------|-------|
|                         | 2010-2016 | Prior to 2010 | 2010-2016     | Prior to 2010 |       |
| Arathy S Nair           | 1         |               |               |               | 1     |

b) Number of papers published in peer reviewed journals (b1.national /b2.international) by faculty and students

c) Number of publications listed in International Database (For Eg: Web Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.)

d) Monographs

e) Chapter in Books

| Name of the Teacher  | Publications in Books as chapters  |
|----------------------|--|
| Dr Praveed Ninkileri | 'The role of Handloom industry in Kannur district', 'Multitude' published by UGC- HRDC, Kannur university as a part of Orientation course XXV, February 2016 |



|               |   |
|---------------|---|
| Arathy S Nair | Economic Empowerment of Women Through Credit: A Case Study of KSWDC Self Employment Loan Scheme”, Women in Business, Ed. By Dr. P Geetha, ISBN- 978-81-92144-3-8 2014 |
|---------------|---|

f) Books Edited

g) Books with ISBN/ISSN numbers with details of publishers

h) Citation Index

i) SNIP

j) SJR

k) Impact factor

l) h-index

| Faculty              | a | b | c | d | e | f | g | h | i | j | k | l |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| Arathy S Nair        |   | 1 |   |   | 1 |   |   |   |   |   |   |   |
| Dr Praveed Ninkileri |   |   |   |   | 1 |   |   |   |   |   |   |   |

20. Areas of Consultancy and Income Generated Nil

21. Faculty as members in Committee/ Editorial Board/ Academic bodies

| Name of the faculty | Name of the Committee/ Editorial board | University/ National/ International | Period  |
|---------------------|--|-------------------------------------|---------|
| Dr K B Vidhya       | UG Board of Studies Member             | Kannur University                   | 2013-17 |
|                     | Chairperson UG BOE, Economics          | Kannur University                   | 2014-16 |

22. Student Projects

|   |      |
|---|------|
| a) Percentage of students who have done in-house projects including inter departmental/programme  | 100% |
| b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies | Nil  |

23. Awards/ Recognitions received by faculty and students.

Achievements of students

| Name                          | Achievement in co curricular activities and sports and games  | Year    |
|-------------------------------|---|---------|
| Sugesh M                      | Best NSS Student Volunteer in Kannur University and in Kerala state   | 2012-13 |
| Shinju C                      | II place in Essay competition conducted by Central University of Kerala, Kazaragod in connection with Human Rights Day celebrations | 2013-14 |
| Gokul Raj E                   | Third Place in Swimming Competition, Kannur University  | 2014-15 |
| Rahul A P                     | Best Actor (Theruvu Nadakam) in Kannur University Arts Festival   | 2015-16 |
| Gokul Raj E<br>Nidhin Kumar M | Third Place in Swimming Competition, Kannur University  |         |
| Bhavya P K                    | Participated in the Republic Day Training Camp and Prime Minister's Rally ,New Delhi, January                                       | 2016-17 |

**Outstanding Academic achievement-Vineetha K C** –First Rank in BA Economics Degree Exam, Kannur University, May 2011

24. List of eminent academicians and scientists/ visitors to the department

| Year    | Name and designation   |
|---------|--|
| 2011-12 | Dr. P K Michael Tharakan, Vice Chancellor of Kannur University (Eminent Economist)                               |
| 2013-14 | Dr S Pradeep Kumar, Controller of Examinations, Kannur University  |
|         | Smt M V Mridula, Sub Judge & Secretary, District Legal Services Authority, Thalassery                            |
|         | Dr M D Devasia, Associate Professor & Head, PG Department of Economics, Nirmalagiri College, Kuthuparamba        |
|         | Prof K A Sarala, President, District Panchayath, Kannur  |
|         | Sri Abdul Sathar, Family Court Judge, Thalassery   |
|         | Sri T P Premarajan, DYSP, Crime Branch, Kannur   |
|         | Dr Venkatesh B Athreya, (Eminent Economist), Advisor, Food Security, MS Swaminathan Research Foundation, Chennai |
|         | Dr S Harikumar, Professor, Department of Applied Economics, CUSAT  |
|         | Sri T P Kunhikannan, (Environmentalist), Professor, Malayalam University, Tirur                                  |
|         | Dr Syam Prasad, Assistant Professor, Central University of Kerala, Kazaragod                                     |
|         | Smt Maya, Educational Consultant, SB Global, Kannur  |

25. Seminars/ Conferences/Workshops organized & the source of funding

| Item    | Title/Programme  | Funding agency | International/ National/ Regional | Year    |
|---------|--|----------------|-----------------------------------|---------|
| Seminar | Human Rights Education   | UGC            | Regional                          | 2012-13 |
|         | Human Rights Education   | UGC            | Regional                          | 2013-14 |
|         | World Human Rights Day   | UGC            | Regional                          | 2014-15 |
|         | 'Poverty and Social Exclusion in India- Need for a Policy Framework Towards Inclusive Development' | UGC            | National                          | 2015-16 |
|         | Legal Awareness Campaign   | UGC            | Regional                          | 2015-16 |
|         | Demonetisation: A Move Towards Cashless Economy  | PTA            | Regional                          | 2016-17 |

26. Student profile programme/course wise

| Name of the Course/ programme (refer question no. 4) |               |        | Applications received | Selected | Enrolled |    | Pass % |
|--|---------------|--------|-----------------------|----------|----------|----|--------|
|  |               |        |                       |          | *M       | *F |        |
| 2010-11  | B A Economics |        | 1912                  | 60       | 12       | 48 | 86     |
| 2011-12  | B A Economics |        | 2010                  | 60       | 16       | 44 | 75     |
|  | Open course   | V Sem  | 77                    | 43       | 0        | 43 | 100    |
|  |               | VI Sem | 73                    | 43       | 0        | 43 | 100    |
| 2012-13  | B A Economics |        | 2108                  | 60       | 15       | 45 | 77.55  |
|  | Open course   | V SEM  | 86                    | 50       | 11       | 39 | 100    |
|  |               | VI SEM | 89                    | 50       | 9        | 41 | 100    |
| 2013-14  | B A Economics |        | 2352                  | 60       | 14       | 46 | 72.55  |
|  | Open course   | V SEM  | 50                    | 48       | 15       | 33 | 100    |

|         |               |        |      |    |    |    |       |
|---------|---------------|--------|------|----|----|----|-------|
|         |               | VI SEM | 56   | 46 | 10 | 36 | 100   |
| 2014-15 | B A Economics |        | 2563 | 60 | 19 | 41 | 94.23 |
|         | Open course   | V SEM  | 83   | 49 | 8  | 41 | 100   |
|         |               | VI SEM | 67   | 51 | 11 | 40 | 100   |
| 2015-16 | B A Economics |        | 2773 | 60 | 15 | 45 | 79.25 |
|         | Open course   | V SEM  | 71   | 50 | 12 | 38 | 100   |
|         |               | VI SEM | 56   | 50 | 12 | 38 | 100   |
| 2016-17 | B A Economics |        | 3274 | 60 | 15 | 45 | -     |
|         | Open course   | V SEM  | 79   | 50 | 5  | 45 | 100   |

\*M=Male \*F=Female

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.: Nil

28. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| B.A Economics      | 100%                              | -                               | -                         |

29. Student progression

| Year    | UG To PG | PG To M.Phil. | PG To Ph. D. | Ph.D.to Post-Doctoral | Employed         |                               | Entrepreneurship/Self-employment |
|---------|----------|---------------|--------------|-----------------------|------------------|-------------------------------|----------------------------------|
|         |          |               |              |                       | Campus selection | Other than campus recruitment |                                  |
| 2010-11 | 10       |               |              |                       |                  |                               |                                  |
| 2011-12 | 14       |               |              |                       |                  | 1                             |                                  |
| 2012-13 | 12       |               |              |                       |                  |                               |                                  |
| 2013-14 | 13       |               |              |                       |                  |                               |                                  |
| 2014-15 | 18       |               |              |                       |                  | 1                             |                                  |
| 2015-16 | 20       |               |              |                       |                  | 2                             | 02                               |

30. Details of Infrastructural facilities

|   |  |
|---|--|
| a) Library                                    | Department library and book bank with 133 books in Economics and 162 books in Human Rights |
| b) Internet facilities for staff and students | Two desk top computers with internet facility  |
| Class rooms with ICT facility                 | Nil  |

31. Number of students receiving financial assistance from college, University, Government or other agencies:

| Agency     | 2012-2013 | 2013-2014 | 2014-2015 | 2015-2016 | 2016-17 |
|------------|-----------|-----------|-----------|-----------|---------|
| University | nil       | nil       | nil       | nil       | nil     |
| Government | 148       | 149       | 106       | 154       | 169     |

32. Details on student enrichment programmes (special lectures/workshops / seminar) with external experts

| Name of Expert    | Programme                 | Academic Year |
|-------------------|---------------------------|---------------|
| Dr. T K Sebastian | Department level Seminar  | 2012 -13      |
| Adv. Omana P      | Legal Awareness Programme | 2012 -13      |

|  |   |                       |
|--|---|-----------------------|
| Sri Subairu P P                        | Talk on Union Budget  | 2013-14               |
| Smt. Sunitha Joseph                    | Motivation Class<br>Group and Personal Counselling                    | 2013 -14 &<br>2016-17 |
| Sri Pradeep Maloth                     | Talk on Life Skills Development                                       | 2013 -14              |
| M V Mrudula                            | Legal Awareness Programme   | 2013-14               |
| Sri Narayanan P                        | Talk on 'Career Opportunities in Economics'                           | 2014-15               |
| Prof. K A Sarala                       | Talk on Human Rights  | 2014-15               |
| Sri Ranchan V                          | Talk on 'Welfare Programmes' implemented in<br>Mattannur Municipality | 2014-15               |
| Sri Abdul Sathar                       | Legal Awareness Programme   | 2014-15               |
| Dr M D Devasia                         | Department level Seminar  | 2014-15               |
| Sri Sajeevan A P                       | Department level Seminar  | 2015-16               |
| Sri Mukundan K                         | Legal Awareness Programme   | 2015-16               |
| Smt Maya                               | Personality Development & Soft skills                                 | 2016-17               |
| Sri Justin Joseph                      | Academic Enrichment Programme   | 2016-17               |
| Dr A V Hemalatha &<br>Dr C Padmanabhan | Inter-collegiate Paper Presentation Contest                           | 2016-17               |

### 33. Teaching methods adopted to improve student learning:

- Student centric teaching methods
- Personal attention & counseling
- Classroom lectures supplemented with question answer sessions, class tests, home assignments
- Discussions, Seminars& Assignments
- Remedial teaching & Peer teaching
- Suggestion of reference books and websites to enable further reading for advanced learners

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- 'Women Empowerment Programme'- Legal Literacy to Kudumbasree members of Mattannur municipality (13/02/2015)
- Visit to Sachithanantha Balamandhiram, Mattannur by faculty and students (11/07/2015) spent a day with the inmates and contributed Rs 4000/- to the institution

### 35. SWOC analysis of the department and future plans

#### STRENGTHS

- Efficient faculty -2 PhD holders and 1 pursuing PhD
- Active participation of the students in curricular, co-curricular and extra-curricular activities.
- Steady increase in the number of students going for higher studies
- Certificate course of three months duration in '**Foundation Course in Human Rights Education**' sponsored by UGC and approved by Kannur University for 5 years (2011-12 to 2015-16)

#### WEAKNESSES

- Lack of smart classrooms
- High teacher-student ratio

- Poor socio-economic background of the students
- No PG course

#### OPPORTUNITIES

- Take initiative in starting PG course in Economics
- To mobilize maximum funds from funding agencies to make the classrooms smart
- To seek financial assistance from UGC to conduct National Seminar and for undertaking research projects
- To undertake one extension activity every year

#### CHALLENGES

- Starting of autonomous and self-financing colleges in the state
- Funding reductions by government agencies
- Lack of interest on the part of students
- Lack of employment opportunities for graduated students

#### FUTURE PLAN

- To attain a consistent pass percentage of more than 90%
- At least 50% students get admission in University centres/regular colleges for pursuing higher studies
- At least 20% students get admission in University centres for pursuing higher studies
- To apply for starting PG course in Economics
- To adopt ICT in teaching –learning process
- To seek financial assistance from UGC/funding agencies to conduct National Seminar and for undertaking research projects
- Faculty to present/publish at least one research paper every year
- To undertake extension/social responsibility activities
- To strengthen collaborations

### Department of Commerce

|   |  |   |                            |        |
|---|--|---|----------------------------|--------|
| 1 | Name of the Department   | Department of COMMERCE  |                            |        |
| 2 | Year of Establishment  | 1966  |                            |        |
| 3 | Names of Programmes/Courses Offered  | UG  | BCom (with Finance option) |        |
|   |  | PG  | MCom (with Finance option) |        |
| 4 | Names of Interdisciplinary courses and departments involved                              | Economics, Mathematics, Zoology, Chemistry, Plant Science, English and Hindi  |                            |        |
| 5 | Annual/ Semester/choice based credit system (programme wise)                             | Choice Based Credit and Semester System for UG (6 Semester)   |                            |        |
| 6 | Participation of the department in the courses offered by other departments              | B Com students participate in the open courses offered by the department of Mathematics, English, Economics, Chemistry and Physical Education.<br>Faculty members engaged sessions on Entrepreneurship for the First Year students of BSc Plant Science.(2013-14) |                            |        |
| 7 | Courses in collaboration with other universities, industries, foreign institutions, etc. | NIL   |                            |        |
| 8 | Details of courses/programmes discontinued (if any) with reasons                         | NIL   |                            |        |
| 9 | Number of teaching posts   | Post  | Sanctioned                 | Filled |
|   |  | Professors  | -                          | -      |
|   |  | Associate Professors  | 2                          | 2      |
|   |  | Asst. Professors  | 6                          | 6      |
|   |  | Part time law lecturer  | 1                          | 1      |

10. Faculty Profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

| Name               | Designation         | Qualification   | Specialization       | No. of Years of Experience | No. of PhD Students guided |
|--------------------|---------------------|-----------------|----------------------|----------------------------|----------------------------|
| Dr.A.V.Hemalatha   | Asso.Prof. and Head | MCom, PhD       | Financial Management | 29                         | 8                          |
| Dr.Abraham George  | Asso. Prof.         | MCom, MPhil,PhD | Financial Management | 28                         | -                          |
| Mr.Shaji. E.V      | Asst. Prof.         | MCom            | Financial Management | 6                          |                            |
| Mrs.Jayanthi.K.C   | Asst. Prof.         | MCom,MPhil      | Financial Management | 6                          |                            |
| Mr.Anil Chandran   | Asst. Prof.         | MCom            | Financial Management | 6                          |                            |
| Mrs.Aparnadevi.M   | Asst. Prof.         | MCom            | Financial Management | 4                          |                            |
| Mr.Tushar Soubhari | Asst. Prof.         | MCom            | Financial Management | 1                          |                            |

|                |             |      |                      |   |  |
|----------------|-------------|------|----------------------|---|--|
| Mrs.Anjana.P.K | Asst. Prof. | MCom | Financial Management | 1 |  |
|----------------|-------------|------|----------------------|---|--|

11. List of senior visiting faculty Nil

12. Percentage of lectures delivered and practical classes handled ( programme wise by temporary faculty: (in %)

| Year          | 2010-2011 |    | 2011-2012 |    | 2012-2013 |    | 2014-2015 |    | 2015-2016 |    | 2016-17 |    |
|---------------|-----------|----|-----------|----|-----------|----|-----------|----|-----------|----|---------|----|
| Programme     | UG        | PG | UG        | PG | UG        | PG | UG        | PG | UG        | PG | UG      | PG |
| % of Lectures | 11.7      | -  | 11.7      | -  | 11.7      | -  | 23.5      | -  | 11.7      | -  | 11.7    | -  |

13. Student Teacher Ratio (programme wise)

| UG     | PG     |
|--------|--------|
| 60 : 1 | 15 : 1 |

14. Number of academic support staff (technical) and administrative staff ; sanctioned and filled-Nil

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

| Number of present faculty members with highest degree |      |       |    |
|---|------|-------|----|
| D.Sc/ D.Litt  | Ph.D | MPhil | PG |
|   | 2    | 2     | 8  |

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received Nil

17. Departmental projects funded by DST, DBT, ICSSR, etc. and grants received

| Name            | Agency | Year of sanction | Grant received | Status    |
|-----------------|--------|------------------|----------------|-----------|
| Mahima.C.V      | UGC    | 2013             | 110000         | COMPLETED |
| Anil Chandran.S | UGC    | 2015             | 105000         | COMPLETED |

18. Research Centre/Facility recognized by the University: NIL

19. Publications:

a) Publication per faculty

| Faculty           | National |               | International |               | Total |
|-------------------|----------|---------------|---------------|---------------|-------|
|                   | 2010-16  | Prior to 2010 | 2010-16       | Prior to 2010 |       |
| Dr. Hemalatha A V | 7        |               | 5             |               | 12    |
| Anil Chandran     |          |               | 1             |               | 1     |
| Shaji E V         | 1        |               |               |               |       |
| Tushar Soubhari   | 8        |               | 8             |               | 16    |

b) Number of papers published in peer reviewed journals (b1.national / b2.international) by faculty and students

c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

Faculty : Tushar Soubhari -6

d) Monographs

e) Chapter in Books

| Name of the Teacher | Publications in Books as chapters |
|---------------------|-----------------------------------|
| Hemalatha.A.V       | 2                                 |

f) Books Edited

g) Books with ISBN/ISSN numbers with details of publishers

h) Citation Index



- i) SNIP
- j) SJR
- k) Impact factor
- l) h-index

| Faculty           | a  | b  | c | d | e | F | g | h | i | j | k  | l |
|-------------------|----|----|---|---|---|---|---|---|---|---|----|---|
| Dr. Hemalatha A V | 12 | 12 |   |   | 2 |   |   |   |   |   |    |   |
| Shaji E.V         | 2  |    |   |   |   |   |   |   |   |   |    |   |
| Anil Chandran     | 1  | 1  |   |   |   |   |   |   |   |   |    |   |
| Tushar Soubhari   | 16 | 16 | 6 |   |   |   |   |   |   |   | <6 |   |

## 20. Areas of Consultancy and Income Generated

| Faculty            | Consultancy offered  |
|--------------------|--|
| Dr. A.V Hemalatha  | <ul style="list-style-type: none"> <li>Chair person of the Board of adjudicators of PhD Thesis for conducting the open defence and viva voce examination in Mahatma Gandhi University.</li> <li>Adjudicator of PhD Thesis in Mahatma Gandhi University.</li> <li>Member of the selection committee for selection of Course Coordinator of MCom under Distance education in Kannur University.</li> <li>Subject expert in the selection Committee for promotion/placement of Assistant Professor in the department of Commerce, Sree Narayana College, Kannur.</li> <li>Member of the Inspection commission to verify the facilities for granting affiliation to BCom and MCom course in self financing colleges.</li> <li>Resource person in a National Seminar conducted by Govt.Brennen College, Thalassery.</li> <li>Consultancy in Research methodology for the research students and faculty members of other colleges</li> </ul> |
| Dr. Abraham George | <ul style="list-style-type: none"> <li>Personal Income Tax calculations and E filing are done for the faculty members of the college and for the school teachers.</li> <li>Consultancy in Research methodology for the research students and faculty members of other colleges</li> </ul>  |

## 21. Faculty as members in a) National committees b) International Committees c) Editorial Boards d) Academic bodies

| Name of the faculty | Name of the Committee/ Editorial board  | University/ National/ International    | Period                  |
|---------------------|---|--|-------------------------|
| Dr. P.P.Lakshmanan  | Member of Board of Studies (UG)   | Kannur University                      | 2010-12                 |
| K.N.Vijayalakshmi   | Member of PG( M Com) Board of Studies   | Kannur University                      | 2011-15                 |
| M.Vijayan           | Member of PG( M Com) Board of Studies   | Kannur University                      | 2011-13                 |
| Dr.Hemalatha.A.V    | Chair person, Board of Studies UG (BCom)<br>Member of PG( M Com) Board of Studies | Kannur University<br>Kannur University | 2015-17<br>2013 onwards |

|                   |                                       |                   |              |
|-------------------|---------------------------------------|-------------------|--------------|
|                   | Member of faculty of Commerce         | Kannur University | 2013 onwards |
| Dr.Abraham George | Member of Board of Studies (UG)       | Kannur University | 2013-15      |
|                   | Member of PG( M Com) Board of Studies | Kannur University | 2015-17      |

## 22. Student projects

|   |  |
|---|--|
| a) Percentage of students who have done in-house projects including inter departmental/programme  | 100% B Com and M Com students do projects as part of their programme, on a topic relating to Commerce - Finance, Marketing , HRM, and Entrepreneurship   |
| b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies | 33.33% of M Com students have involved in an International Collaborative Research on Transnational Recruitment Industry in the Asia GCC Corridor, during 2015-16. The study was sponsored by IOM (International Organisation for Migration) and anchored by IIM Ahmedabad and Marthoma College of Management and Technology (MCMAT) Perumbavoor. |

## 23. Awards/ Recognitions received by faculty and students.

### Academic Achievements of students

| Name   | Academic Achievement   | Year    |
|--|--|---------|
| Anjana.P.K   | II rank in M Com degree examination of Kannur University     | 2012-13 |
| Jincy .M   | III Rank in M Com degree examination of Kannur University    | 2012-13 |
| Rarish.P   | III Rank in in M Com degree examination of Kannur University | 2013-14 |
| <b>Achievements in co-curricular activities and sports and games</b> |  |         |
| Rinsha N.C   | KavithalapanamII Prize                                       | 2010-11 |
| Sreya Harisree   | Thiruvathirakkaly - I Prize                                  | 2010-11 |
| Shameem.P. M   | Mappilappattu - I Prize                                      | 2010-11 |
| Abhinav Valsan   | NadodinrithamIII prize                                       | 2011-12 |
| Athul.A.K  | Best Actor in English Drama                                  | 2011-12 |
| Abhinav Valsan.M   | Nadodinritham -II prize                                      | 2012-13 |
| Theertha Premaraj  | Bharatha Natyam- II Prize.                                   | 2012-13 |
| Vishnu.K   | Caricature - IInd prize                                      | 2012-13 |
| Athul A.K.   | Screenplay and Documentary- English - I Prize                | 2012-13 |
| Amruthanand  | Thabala I Prize  | 2013-14 |
| Theertha Premaraj  | Kerala Nadanam - II prize and Folk Dance - III Prize         | 2013-14 |
| Theertha Premaraj  | Kerala Nadanam - II prize                                    | 2014-15 |
| Nandana.   | Group dance III prize  | 2015-16 |
| Nandana.R  | Group dance -III Prize                                       | 2016-17 |
| Pallavi.N  | Mappilappattu - II Prize                                     | 2016-17 |
| Aswanth.P  | Volley ball -I prize   | 2014-15 |
| Rinju Chandroth  | Soft ball - I Prize  | 2014-15 |
| Rinju Chandroth  | Soft ball - I Prize  | 2015-16 |
| Rinju Chandroth  | Hand ball - III Prize  | 2015-16 |

|                 |                       |         |
|-----------------|-----------------------|---------|
| Aswanth.P       | Volley ball- I Prize  | 2016-17 |
| Rinju Chandroth | Hand ball - II Prize  | 2016-17 |
| Aswanth.P       | Soft ball - II Prize  | 2016-17 |
| Rinju Chandroth | Soft ball - II Prize  | 2016-17 |
| Arun.M          | Soft ball - II Prize  | 2016-17 |
| Swathi.K        | Soft ball - III Prize | 2016-17 |

24. List of eminent academicians and scientists/ visitors to the department

| Year    | Name and designation   |
|---------|--|
| 2011-12 | Najeesh.M,dist.educational Programme Instructor, Geojit BNP Paribas  |
|         | Jyothish Sukumaran, faculty Head, College level courses, TIME,Kannur   |
| 2011-12 | Dr.Francis Cherunilam, Director, SMS, CUSAT  |
|         | Dr.T.Asokan,Prof. and Head, DMS, Palayad, Kannur University.   |
|         | Dr.G.Raju, Dept. of Commerce,Govt.College, Tripunithara.   |
|         | Sri.U.Mohanan, CA,Kannur.  |
|         | Dr.V.K.Vijayakumar, Investment strategist, Geojith, Pariba.  |
|         | Dr.Mallikarjunappa, Professor, Dept. of Business Administration, Mangalore University.                         |
|         | Dr.P.Mohan,Prof.,(nowProViceChancellor,CalicutUniversity)DCMS,Univer<br>sityof Calicut.                        |
| 2012-13 | Sri.Sajinkumar, Territory Manager, ING Vyshya,Kannur branch  |
|         | Prof.Richard Hay Retd.Principal, Govt.College, Koyilandy.now Member of<br>parliament                           |
|         | Vinay.N, Director, Corporate Relations, NITE,Bangalore   |
| 2013-14 | Dr.G.Simon Thattil, Professor, Department of Commerce and School of<br>Business management, Kerala University. |
|         | Mr.Shanil.E.V., Development officer, LIC of India.   |
|         | Sri.Muhammed Sharief, Coordinator, academy for professional studies,<br>Kannur.                                |
| 2014-15 | P. Dinesh, Assistant General Manager, NABARD, Kannur   |
|         | Dr.ZakkirHussine,Coordinator,MBA,InstituteofCooperativeManagement,Par<br>assinikkadavu.                        |
| 2015-16 | Prof.A.Vinod, Retired Professor , Govt College, Madapally  |
|         | Dr.T.P.Raveendran, Registrar, Sanskrit University, Kalady  |
|         | Dr. T.P. Sasikumar, (Retd)bScientist, ISRO.  |
| 2016-17 | Sri.Suresh Namboodiri, Practising Chartered Accountant   |

25. Seminars/ Conferences/Workshops organized & the source of funding

| Item    | Title/Programme                                  | Funding agency | International/<br>National/<br>Regional | Year    |
|---------|--|----------------|---|---------|
| Seminar | Seminar on capital markets and share trading     | PTA            | Regional                                | 2010-11 |
|         | Seminar on Hardware Networking                   | Dept.          | Regional                                | 2010-11 |
|         | Financial Literacy                               | Dept.          | Regional                                | 2011-12 |
|         | Indian capital market in the Globalised Scenario | UGC & PTA      | National                                | 2011-12 |
|         | Emerging Trends in Indian banking sector         | Dept.          | Regional                                | 2013-14 |
|         | Workshop on Research Methodology                 | Dept.          | Regional                                | 2013-14 |

|                 |  |       |          |         |
|-----------------|--|-------|----------|---------|
| <b>Workshop</b> | Orientation Programme on Financial Inclusion     | Dept. | Regional | 2014-15 |
|                 | Workshop on Employability and Personal Interview | Dept. | Regional | 2013-14 |
|                 | ACCA awareness                                   | Dept. | Regional | 2015-16 |

26. Student profile programme/course wise

| Name of the Course/ programme (refer question no. 4) |             |        | Applications received | Selected | Enrolled |    | Pass % |
|--|-------------|--------|-----------------------|----------|----------|----|--------|
|  |             |        |                       |          | *M       | *F |        |
| 2011-12  | B.Com       |        | 326                   | 60       | 22       | 35 | 90.21  |
|  | Open Course | V SEM  | 38                    | 33       | 3        | 30 | 100    |
| 2012-13  |             | VI SEM | 20                    | 17       | -        | 17 | 100    |
|  | M. Com      |        | 136                   | 11       | 5        | 10 | 100    |
|  | B.Com       |        | 345                   | 60       | 29       | 30 | 98.21  |
|  | Open Course | V SEM  | 42                    | 28       | 3        | 25 | 100    |
| 2013-14  |             | VI SEM | 23                    | 19       | 3        | 16 | 100    |
|  | M. Com      |        | 128                   | 15       | 3        | 12 | 85.71  |
|  | B.Com       |        | 359                   | 60       | 22       | 35 | 98.25  |
|  | Open Course | V SEM  | 55                    | 48       | 12       | 26 | 100    |
| 2014-15  |             | VI SEM | 15                    | 13       | 3        | 10 | 100    |
|  | M. Com      |        | 146                   | 15       | 2        | 13 | 80     |
|  | B.Com       |        | 378                   | 60       | 20       | 39 | 86.44  |
|  | Open Course | V SEM  | 55                    | 42       | 8        | 34 | 100    |
| 2015-16  |             | VI SEM | 15                    | 13       | 2        | 11 | 100    |
|  | M. Com      |        | 154                   | 15       | 2        | 13 | 83.33  |
|  | B.Com       |        | 432                   | 60       | 24       | 32 | 87.6   |
|  | Open Course | V SEM  | 50                    | 41       | 9        | 32 | 100    |
| 2016-17  |             | VI SEM | 40                    | 32       | 3        | 29 | 100    |
|  | M. Com      |        | 184                   | 15       | 3        | 12 | 76.92  |
|  | B.Com       |        | 190                   | 60       | 18       | 42 |        |
|  |             | V SEM  | 50                    | 45       | 7        | 38 |        |
|  |             | M. Com | 72                    | 15       | 3        | 12 |        |

\*M = Male \*F = Female

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.

| Year    | NET | SLET | GATE | Civil Services | Defence Services |
|---------|-----|------|------|----------------|------------------|
| 2012-13 | 2   |      |      |                | 4                |
| 2013-14 | 2   |      |      |                |                  |
| 2014-15 | 1   |      |      |                |                  |
| 2015-16 | 1   |      |      |                |                  |
| 2016-17 | 3   |      |      |                |                  |

28. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| BCom               | 100                               | Nil                             | Nil                       |
| MCom               | 100                               | Nil                             | Nil                       |

### 29. Student progression

| Year    | UG to PG | PG to M.Phil. | PG to Ph.D | Ph.D. to Post-Doctoral | Employed         |                               | Entrepreneurship / Self-employment |
|---------|----------|---------------|------------|------------------------|------------------|-------------------------------|------------------------------------|
|         |          |               |            |                        | Campus selection | Other than campus recruitment |                                    |
|         |          |               |            |                        |                  | UG PG                         |                                    |
| 2010-11 | 20%      |               |            |                        |                  | 68.9% 83.3%                   |                                    |
| 2011-12 | 20 %     | 1             |            |                        |                  | 89.2% 72.7%                   | 20%                                |
| 2012-13 | 15%      |               |            |                        |                  | 71.2% 60%                     | 18%                                |
| 2013-14 | 30%      |               |            |                        |                  | 66.7% 60%                     | 10%                                |
| 2014-15 | 20%      |               |            |                        |                  | - 76.9%                       | 9%                                 |
| 2015-16 | 30%      |               |            |                        |                  | - -                           | 15%                                |

### 30. Details of Infrastructural facilities:

|   |   |
|---|---|
| a) Library                                    | Department Library  |
| b) Internet facilities for staff and students | Department has two computers with internet connectivity for the use of Teachers and PG Students |
| Class rooms with ICT facility                 | Final Year M. Com Class Room has projector facility   |
| Laboratories                                  | A computer lab with 5 computers for use of faculty and PG students                              |

### 31. Number of students receiving financial assistance from college, University, Government or other agencies

| Agency     | 2012-2013 | 2013-2014 | 2014-2015 | 2015-16 | 2016-17 |
|------------|-----------|-----------|-----------|---------|---------|
| University | -         | -         | -         | -       | -       |
| Government | 108       | 127       | 130       | 125     | 138     |

### 32. Details on student enrichment programmes (special lectures/workshops / seminar) with External experts

| Year    | Topic /Session                                   | Resource persons  |
|---------|--|---|
| 2010-11 | TUNE 20-20, Soft Skill Development Programme     | Sri.K.V.Raveendran, Sri.K.Baburaj., Sri.SareeshPayyambally, V.M.Mahesh(Trainers, JCI) |
| 2011-12 | Session on “MBA as a Career Option”              | Jyothish Sukumaran, Faculty Head, TIME, Kannur  |
| 2012-13 | Campus Interview Training                        | Sri.Sajinkumar, Territory Manager, ING Vyshya   |
|         | Career planning and Career options               | Vinay.N, Director, Corporate Relations, NITE  |
| 2013-14 | Class on Personality Development                 | Mr.Shanil.E.V., Development officer, LIC  |
|         | Company Secretary Course - Awareness seminar     | Sri.Muhammed Sharief, Coordinator, Academy for Professional Studies, Kannur.          |
| 2014-15 | Class on Soft skill development                  | Sri.K.V.Raveendran, Development Officer, LIC  |
|         | Session on Environment protection                | Dr.Joselette Mathew, Principal, NGC, Ktba.  |
|         | Talk on Cyber laws                               | Sri.M.K.Hariprasad, S I of Police   |
| 2015-16 | Class on Skill development and Stress Management | Sri.T.Prakash, Asst.Administrative Officer, National Insurance Company, Mattannur.    |

|         |  |  |
|---------|--|--|
|         | Two day Induction camp -Training for personality development                                       | Sri.Jyothish paul , National Trainer of JCI<br>Dr.T.P.Sasikumar, Retd. Scientist,ISRO, |
|         | Life skill development and Employability   | Thiruvananthapuram<br>Sri.P.P.Suresh, JCI trainer.                                     |
|         | A talk on Stress management<br>A session on Employability, group discussion and personal interview | Sri.Kishore Jaleel, Campus connect Office of Corporate Relations.                      |
| 2016-17 | Film direction   | Sri.Thomas Devassia, Film Director.  |
|         | Class on Goods and Service Tax   | Sri.Suresh Namboodiri, practising C A, Thalassery.                                     |

### 33. Teaching methods adopted to improve student learning:

- Remedial coaching for weak students
- Seminar presentation and case-study discussions
- Discussions and peer teaching method.
- Activity-based learning methods
- web-learning, online-tests & assignments
- video-lecturing
- Debates and problem-solving techniques.
- Entry level tests.
- Induction programme.
- ICT enabled teaching.
- Effective tutorial system

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Extension activities:

- The department undertook a survey on financial inclusion among the households of one ward in Keezhallur panchayath, a nearby area of our college, by engaging B Com and M Com students, with the support from NABARD, Kannur.
- Conducted Inter collegiate Colloquium Competition with the participation of students from other colleges under Kannur University.
- Organised Inter collegiate Quiz Competition with the participation of students from other colleges under Kannur University.
- Organised Commerce Exhibition for College and Higher secondary school students in Kannur district, covering various spheres like, Banking, Marketing, E-Commerce, Entrepreneurial Development and Organizational Behaviour and is expected to unveil the recent phenomenon taking place in the spectrum of manufacture, trade and service.
- Involvement of faculties in various college level clubs and committees

### 35. SWOC analysis of the department and future plans

STRENGTH:

- Well qualified and dedicated faculty members with decades of teaching experience ;
- High degree of accessibility maintained by teachers towards students.
- Unity and harmony in planning and executing department activities.
- Membership of teachers in the academic bodies like Board of studies and Faculty of the University.

- A separate department library with latest edition books
- Periodic meetings with parents.
- Existence of peer teaching mechanism
- Remedial teaching mechanism.
- Effective tutorial system.
- Formal and Informal feedback system from students and parents
- Reading room facility and Computers with Internet facility.

#### WEAKNESS:

- Moderate infrastructure facilities in the department.
- Absence of support staff for the department.
- Students hailing from poor socio economic background.
- Lack of well equipped computer lab attached to the department, obstructing students' accessibility to internet and power point presentations.

#### OPPORTUNITY:

- Scope for higher education and better career opportunities for students.
- Stepping stone for Professional courses like CA, ICWA,CS and MBA
- Scope for maintaining a good link with the society and to involve in social issues.
- Scope for setting up a research centre in Commerce.
- Certificate or Add on courses for the benefit of students.
- Taking up extension activities by involving students.

#### CHALLENGES

- Lower level of achievement motivation in the minds of students
- Inability to organize academic conferences, symposiums with good frequency due to the shortage of funds.
- Absence of tie up with private employer to absorb the passing out students of the department
- Lack of a research department despite having faculties with Doctorate and research guide ship.

#### FUTURE PLAN

- Up gradation of the department to a Research centre.
- Intensive coaching and improvement programmes for academically weak students.
- A computer laboratory for commerce students.
- Facility of a Smart classroom in the commerce wing.
- Start certificate course or Add on courses in topics that give exposure to the students.



### Department of English

|   |  |   |  |        |
|---|--|---|--|--------|
| 1 | Name of the Department   | Department of English   |  |        |
| 2 | Year of Establishment  | 1998  |  |        |
| 3 | Names of Programmes/Courses Offered  | UG  | B.A. English Language and Literature (Aided) |        |
|   |  | PG  |  |        |
| 4 | Names of Interdisciplinary courses and departments involved                              | Nil   |  |        |
| 5 | Annual/ Semester/choice based credit system (programme wise)                             | Choice Based Credit and Semester System for UG (6 Semesters)  |  |        |
| 6 | Participation of the department in the courses offered by other departments              | <ul style="list-style-type: none"><li>• Common course offered to all Programmes in I,II,III&amp;IV semesters</li><li>• Open course –English for Competitive Examinations offered to V semester students of all programmes</li></ul> |  |        |
| 7 | Courses in collaboration with other universities, industries, foreign institutions, etc. | Nil   |  |        |
| 8 | Details of courses/programmes discontinued (if any) with reasons                         | Nil   |  |        |
| 9 | Number of teaching posts   | Post  | Sanctioned                                   | Filled |
|   |  | Professors  | -  | -      |
|   |  | Associate Professors  | -  | 2      |
|   |  | Asst. Professors  | 5  | 5      |

#### 10. Faculty Profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

| Name                 | Designation         | Qualification                       | Specialization                 | No. of Years of Experience | No. of PhD Students guided |
|----------------------|---------------------|-------------------------------------|--------------------------------|----------------------------|----------------------------|
| Dr. A Sugatha Kumari | Associate Professor | M.A, B.Ed, Ph.D                     | Postmodern Studies             | 27                         | ----                       |
| Dr.C.Padmanabhan     | Associate Professor | M.A, M.Phil. Ph.D<br>NET,CIC,PGCT E | Film Studies                   | 22                         |                            |
| Dr.Rakhi Raghavan    | Assistant Professor | M.A, B.Ed, SET, M.Phil, Ph.D        | Cultural Studies               | 6                          |                            |
| Ms.Shobha S.Nair     | Assistant Professor | M.A,NET-JRF                         | Cultural Studies               | 6                          |                            |
| Mr.Ravikrishnan T    | Assistant Professor | M.A, M.Ed, M.Phil, NET, PGDTE.      | ELT, Indian Writing in English | 3                          |                            |

|              |                     |                  |              |   |  |
|--------------|---------------------|------------------|--------------|---|--|
|              |                     | PGD in Yoga      |              |   |  |
| Ms.Remya P   | Assistant Professor | M.A,M.Ed,NET     | ELT          | 3 |  |
| Ms.Lekshmi S | Assistant Professor | M.A, M.Phil, NET | Eco feminism | 3 |  |

11. List of senior visiting faculty Nil

12. Percentage of lectures delivered and practical classes handled ( programme wise by Temporary faculty: (in %)

| Year          | 2012-2013 |    | 2013-2014 |    | 2014-2015 |    | 2015-2016 |    | 2015-2016 |    |
|---------------|-----------|----|-----------|----|-----------|----|-----------|----|-----------|----|
| Programme     | UG        | PG | UG        | PG | UG        | PG | UG        | PG | UG        | PG |
| % of Lectures | -         |    | -         |    | 14        |    | 14        |    | 14        |    |

13. Student Teacher Ratio (programme wise)

| UG   |        | PG |
|------|--------|----|
| Core | Common |    |
| 14:1 | 110:1  |    |

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

|     | Sanctioned | Filled |
|-----|------------|--------|
| NIL | -          | -      |

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

| Number of present faculty members with highest degree |      |       |    |
|---|------|-------|----|
| D.Sc/ D.Litt  | Ph.D | MPhil | PG |
| Nil   | 3    | 4     | -  |

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received Nil

17. Departmental projects funded by DST, DBT, ICSSR, etc. and grants received: Nil

18. Research Centre/Facility recognized by the University Nil

19. Publications:

a) Publication per faculty

b) Number of papers published in peer reviewed journals (b1.national /b2.international) by faculty and students

c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

d) Monographs

e) Chapter in Books

f) Books Edited

g) Books with ISBN/ISSN numbers with details of publishers

h) Citation Index

i) SNIP

j) SJR

k) Impact factor

l) h-index

| Faculty              | a | b   |     | C | d | e | f | g | h | I | j | k | L |
|----------------------|---|-----|-----|---|---|---|---|---|---|---|---|---|---|
|                      |   | b 1 | b 2 |   |   |   |   |   |   |   |   |   |   |
| Dr. A Sugatha Kumari |   | 1   |     |   |   | 1 |   |   |   |   |   |   |   |

|                   |   |   |   |   |  |   |  |  |  |  |  |  |  |
|-------------------|---|---|---|---|--|---|--|--|--|--|--|--|--|
| Mr.C.Padmanabhan  | 5 | 4 | 2 | 2 |  | 2 |  |  |  |  |  |  |  |
| Dr.Rakhi Raghavan | 2 |   | 1 |   |  | 1 |  |  |  |  |  |  |  |
| Ms.Remya P        |   |   |   |   |  | 1 |  |  |  |  |  |  |  |

## 20. Areas of Consultancy and Income Generated

| Faculty           | Programme                                  | Year(Academic)    |
|-------------------|--|-------------------|
| Dr.C.Padmanabhan  | Resource person<br>Kerala Literacy Mission | 2016-17           |
|                   | Resource Person –UGC<br>HRD                | 2016-17           |
| Dr.Sugatha Kumari | Resource Person-ASAP                       | 2012-13 & 2013-14 |
| Dr.Rakhi Raghavan | Resource Person-ASAP                       | 2012-13 & 2013-14 |
|                   | Resource Person-AIR                        | 2014-15 & 2015-16 |
| Ravikrishnan T    | Resource Person-ASAP                       | 2013-14           |
|                   | Yoga Trainer                               | 2015-16           |

## 21. Faculty as members in a)National committees b)International Committees c)Editorial Boards d)Academic bodies

| Name of the faculty  | Name of the Committee/ Board                          | University/ National/International | Period  |
|----------------------|---|------------------------------------|---------|
| Ms. Meena Shankar    | BOS,UG  | Kannur University                  | 2010-12 |
| Dr.C.Padmanabhan     | Sub-committee for<br>Amending University<br>Ordinance | Kannur University                  | 2016-17 |
| Dr. Sugathakumari A. | BOS ,PG   | Kannur University                  | 2015-17 |
|                      | Member,Faculty of<br>Language and Literature          | Kannur University                  | 2012-13 |
|                      | BOS,UG  | Kannur University                  | 2013-15 |
| Dr. Rakhi Raghavan   | BOS,UG  | Kannur University                  | 2015-17 |

## 22. Student projects

|   |      |
|---|------|
| a) Percentage of students who have done in-house projects including inter departmental/programme  | 100% |
| b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies | Nil  |

## 23. Awards/ Recognitions received by faculty and students:

### Achievement of students

| Name       | Achievement in co curricular activities and sports and games     | Year    |
|------------|--|---------|
| Aparna R   | I Place in Intercollegiate and Inter District Chess Championship | 2010-11 |
| Navya P.K  | I Place–Script Writing-Hindi                                     |         |
| Athira K.R | I Place –Script Writing –English                                 |         |
|            | II Place –Script Writing –Malayalam                              |         |
| Ameya M.R  | II Place –Versification-Malayalam                                | 2011-12 |
| Navya P.K  | I Place–Script Writing-Hindi                                     |         |
| Ameya M.R  | A Grade –Versification-Malayalam<br>Script writing Malayalam     |         |

|                   |   |         |
|-------------------|---|---------|
| Sneha Chandran    | II Place-Thiruvathira   |         |
| Anjuna            | A Grade –Kathaprasangam   |         |
| Bhavitha TP       | A Grade Clay modeling   |         |
| Athira K R        | I Place English Drama   |         |
| Navya P.K         | I Place English Drama   |         |
| Remya V.R         | I Place English Drama   |         |
| Prathisha K.P     | I Place Hindi Drama, Best Actress   |         |
| Abdul Jaleel      | Kannur Uty Winners-Softball   |         |
| Sneha Chandran    | II Place-Thiruvathira   | 2012-13 |
| Aswathi R         | RDC 2012  |         |
| Prathisha K.P     | I Place Hindi Drama<br>III Place Hindi Drama Inter Uty  |         |
| Amal Bhaskar      | Represented Kannur Uty in South Zone Volleyball Tournament  |         |
| Amal Bhaskar      | Kannur Uty Volley Ball team Member  | 2013-14 |
| Shijila K         | II Place Street play  |         |
| Naveen P          | II Place Street play  |         |
| Naveen P          | A Grade Street play   | 2014-15 |
| Jithin M          | A Grade –Street Play  |         |
| Jithin M.         | attended Prime Minister's Rally)<br>(Best NCC national games football 2014  |         |
| Muhammed Faiz     | Kannur Uty Soft Ball team Member  |         |
| Akhil P           | Kannur Uty Volley Ball team Member  |         |
| Divek Thomas      | Represented Kannur Uty in All India Inter University Swimming Champonship   |         |
| Anila Anandan     | Attended NCC camp held in Malappuram<br>II Place in Caption writing and Slogan writing in the Intercollegiate competition held at ST Joseph's college Pilathara |         |
| Sangeeth Chandran | II Place- Folk Dance  | 2015-16 |
| Ranjitha C.K      | III Place Aksharaslokam   |         |
| Anila Anandan     | A Grade in English Debate   |         |
| Pranav O. N       | Selection to ALC and Special National Integration Camp  |         |
| Amal Mathew       | Volley Ball Uty Winners   |         |
| Jishnu Gireesh    | Volley Ball Uty Winners Member Kannur Uty Volleyball Team   |         |
| Vipin P.K         | Soft Ball Uty Winners   |         |
| Vibin             | Soft Ball Uty Winners   |         |
| Muhammed Faiz     | Soft Ball Uty Winners   |         |
| Manu K            | Attended Thal Sainik Camp in Delhi.<br>Attended Army Attachment Camp at Trivandrum  |         |
| Rahul C           | Attended Army Attachment Camp at Trivandrum   |         |
| Sangeeth Chandran | Folk Dance II Place   | 2016-17 |

|                     |   |  |
|---------------------|---|--|
| Ranjitha C.K        | A Grade in Aksharaslokam  |  |
| Amal Mathew         | Kannur Uty Volleyball Championship Winners<br>Member Kannur Uty Volleyball Team |  |
| Jishnu Gireesh      | Kannur Uty Volleyball Championship Winners<br>Member Kannur Uty Volleyball Team |  |
| Jyothish P.K        | Kannur Uty Volleyball Championship Winners                                      |  |
| Abdul Junaid P      | Kannur Uty Volleyball Championship Winners                                      |  |
| Adarsh C.J          | Kannur Uty Volleyball Championship Winners                                      |  |
| Muhammed Subair T.P | Kannur Uty Volleyball Championship Winners                                      |  |
| Arun M.S            | Kannur Uty Volleyball Championship Winners                                      |  |
| Shijin S            | Kannur Uty Volleyball Championship Winners                                      |  |
| Vipin P.K           | Kannur Uty Softball Championship Winners  |  |
| Muhammed Faiz       | Kannur Uty Softball Championship Winners  |  |

24. List of eminent academicians and scientists/ visitors to the department

| Year    | Name and designation  |
|---------|---|
| 2010-11 | Dr.Francis Karakkat, HoD Department of Journalism, Don Bosco Arts and Science College, Angadikadavu             |
|         | Dr.K.C.Muraleedharan, HoD Department of English, Payyanur College, Payyanur                                     |
|         | Mathukutty, Senior Correspondent, Mathrubhumi, Kannur.  |
| 2011-12 | Dr.Ravindran Nambiar, Former Professor, Cochin College  |
|         | Anil Nambiar, Television Journalist.  |
| 2012-13 | Roopesh Kumar, Department of Media Studies, HELP University, Malaysia   |
| 2013-14 | Sherry Govindan, National Award winning Film Director and Script writer   |
| 2014-15 | Harish C. Menon, Assistant News Editor, Editorial, Times of India, Mumbai                                       |
| 2015-16 | Radhakrishnan Pattanur, Senior Sub Editor, Mathrubhumi, Kannur.   |
|         | Dr. James Paul, Actor, Script writer and director, HoD, Department of Hindi, Nirmalagiri College, Kuthuparamba. |
| 2015-16 | Dr.Vipin C, Associate Professor, Department of English, English and Foreign Languages University, Lucknow       |
| 2016-17 | K.K.Marar, Folklore Researcher, Historian, Former member, Lalitha Kala Academy                                  |
|         | Dr.N.Sajan, Associate Professor & Head of the PG Department of English, S.N College, Kannur                     |

25. Seminars/ Conferences/Workshops organized & the source of funding

| Item    | Title/Programme                | Funding agency | International/ National/Regional | Year    |
|---------|--------------------------------|----------------|----------------------------------|---------|
| Seminar | Current Trends in Journalism   | Dept Fund      | Regional                         | 2011-12 |
|         | Literature and Cinema          | Dept Fund      | Regional                         | 2012-13 |
|         | Indian Cinema-Past and Present | Dept Fund      | Regional                         | 2013-14 |
|         | Media Ethics                   | Dept Fund      | Regional                         | 2014-15 |

|                 |  |                |          |                   |
|-----------------|--|----------------|----------|-------------------|
|                 | Translation: Theory and Practice   | Dept Fund      | Regional | 2015-16           |
|                 | Renaissance Art and Evolution of Photography                                 | Dept Fund      | Regional | 2016-17           |
| <b>Workshop</b> | 21 Day Residential Camp of Additional Skill Acquisition Programme            | Govt of Kerala | Regional | 2012-13 & 2013-14 |
|                 | Workshop on Techniques of Teaching English for Upper Primary School Teachers | College PTA    | Regional | 2014-15           |

26. Student profile programme/course wise

| Name of the Course/ programme (refer question no. 4) |             |        | Applications received | Selected | Enrolled |    | Pass % |
|--|-------------|--------|-----------------------|----------|----------|----|--------|
|  |             |        |                       |          | *M       | *F |        |
| 2010-11  | B.A English |        |                       | 21       | 5        | 16 | 90.5   |
| 2011-12  | B.A English |        |                       | 25       | 2        | 23 | 96.6   |
|  | Open course | V SEM  | 46                    | 33       | 8        | 25 | 98     |
|  |             | VI SEM | 33                    | 25       | 13       | 12 | 100    |
| 2012-13  | B.A English |        |                       | 24       | 5        | 19 | 77     |
|  | Open course | V SEM  | 21                    | 20       | 4        | 16 | 100    |
|  |             | VI SEM | 26                    | 22       | 09       | 13 | 100%   |
| 2013-14  | B.A English |        |                       | 27       | 05       | 22 | 100    |
|  | Open course | V SEM  | 36                    | 23       | 17       | 06 | 100    |
|  |             | VI SEM | 28                    | 24       | 19       | 05 | 100    |
| 2014-15  | B.A English |        |                       | 27       | 05       | 22 | 77.8   |
|  | Open course | V SEM  | 22                    | 14       | 05       | 09 | 100    |
|  |             | VI SEM | 29                    | 14       | 08       | 06 | 100    |
| 2015-16  | B.A English |        |                       | 29       | 10       | 19 | 80     |
|  | Open course | V SEM  | 14                    | 14       | 05       | 09 | 100    |
|  |             | VI SEM | 12                    | 12       | 07       | 05 | 100    |
| 2016-17  | B.A English |        |                       |          |          |    |        |
|  | Open course | V SEM  | 9                     | 9        | 02       | 07 | 100    |

\*M = Male \*F = Female

27. How many students have cleared national and state competitive examinations such as NET,

SLET, GATE, Civil services, Defense services, etc.

| Year    | NET | SLET | GATE | Civil Services | Defense Services |
|---------|-----|------|------|----------------|------------------|
| 2010-11 |     |      |      |                |                  |
| 2011-12 |     |      |      |                | 1                |
| 2012-13 |     |      |      |                | 1                |
| 2013-14 |     |      |      |                | 1                |
| 2014-15 |     |      |      |                | 2                |

|         |  |  |  |  |  |
|---------|--|--|--|--|--|
| 2015-16 |  |  |  |  |  |
|---------|--|--|--|--|--|

## 28. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| B.A English        | 100%                              | -                               | -                         |

## 29. Student progression

| Year    | U<br>G<br>to<br>PG | PG<br>to<br>M.Phil. | PG<br>to<br>Ph.D | Ph.D.<br>to<br>Post-<br>Doctoral | Employed            |                                     | Entrepreneur<br>ship/Self-<br>employment |
|---------|--------------------|---------------------|------------------|----------------------------------|---------------------|-------------------------------------|--|
|         |                    |                     |                  |                                  | Campus<br>selection | Other than<br>campus<br>recruitment |  |
| 2010-11 | 5                  |                     |                  |                                  |                     | 10                                  |  |
| 2011-12 | 8                  |                     |                  |                                  | 1                   | 4                                   |  |
| 2012-13 | 5                  |                     |                  |                                  | 1                   | 8                                   |  |
| 2013-14 | 11                 |                     |                  |                                  |                     | 9                                   |  |
| 2014-15 | 8                  |                     |                  |                                  |                     | 3                                   | 1  |
| 2015-16 | 6                  |                     |                  |                                  |                     | 2                                   | 1  |

## 30. Details of Infrastructural facilities

|  |  |
|--|--|
| Library                                    | Department library   |
| Internet facilities for staff and students | Two desk top computers with internet facility  |
| Class rooms with ICT facility              | LCD Projector is made available in one class room  |
| Other Facilities                           | <ol style="list-style-type: none"> <li>1. Camera</li> <li>2. Video Camera</li> <li>3. DVD Player</li> <li>4. Television</li> </ol> |

## 31. Number of students receiving financial assistance from college, University, Government or other agencies:

| Agency     | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 |
|------------|---------|---------|---------|---------|---------|
| University | -       | -       | -       | -       | -       |
| Government | 58      | 60      | 72      | 73      | 68      |

## 32. Details on student enrichment programmes (special lectures/workshops / seminar) with external experts

- Academic Enrichment Programme –Talk on *Bob Dylan and his Songs* by Dr N.Sajan (Head, Dept. of English, SN College, Kannur)
- Outreach programme by the students of the department to impart communicative skills to upper primary students.
- A session on higher study options and career advancement in Journalism was given by Sree K.M (reporter - Hindustan Times) a former student of the Department.
- Talk by Sri. K.K. Marar, eminent folklore researcher, historian and artist on *Renaissance Art and History of Photography*
- Workshop on the Planning and Layout of newspaper by Mr.Mathukutty, Mathrubhumi.
- Talk by Dr. James Paul, Actor, Script writer and director on *Theatre as Resistance*.
- Lecture on *Translation Theory and Practice* by Dr.Vipin
- Talk on Indian Cinema by Sherry Govindan, eminent director.



- Lecture on Current Trends in Journalism by Dr.Francis Karakat
- Talk on Media Ethics by Harish C Menon.
- Demonstration of the elements of Rasa Theory by Dr.Sumitha Nair

### 33. Teaching methods adopted to improve student learning:

- Entry level tests
- Induction programme
- Screening of Films
- Assignments on the technical aspects of film making
- Publishing News papers and organizing mock TV shows to give the students hands on training in Journalism

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- The department organized a workshop on Techniques of Teaching English for school teachers. The teaching faculty of the department imparted knowledge about the new trends in the teaching learning process of English language to high school teachers of the locality.
- The final year students of the department conducted classes on communicative skills for students of the Mattannur U.P School.
- Twenty one Day Residential Training Camp as part of the Additional Skill Acquisition Programme of the Higher Education Department was coordinated by the Department of English in 2013 and 2014. The teachers of the department who were trained as master trainers handled the classes in Communicative skills. The Head of the Department of English was the coordinator of the programme.

### 35. SWOC analysis of the department and future plans

#### STRENGTHS:

- Highly qualified faculty – out of the eight faculty members, three are PhD holders, three are pursuing research, two have additional PG degree in education, one has PG Certificate in Teaching of English and one has PG Diploma in Teaching of English
- Full-time faculty to teach most classes, and there is a high level of interaction between faculty and students
- Steady increase in the number of students seeking admission to the course
- Offers a much sought after course –Journalism- as complementary course, and Film Studies as core course
- Faculty members are present in the various academic bodies at the University level

#### WEAKNESSES:

- Lack of financial support for departmental activities
- Lack of infrastructure – including physical, financial and human resources
- Difficulty in doing justice to courses like Journalism and Film studies due to lack of infrastructure
- Lack of PG Programme
- Shortage of scholarly journals and books in departmental library
- Poor entry level proficiency in English
- Most of the students who join the course are spillouts from other courses

#### OPPORTUNITIES:

- Opportunity to offer a different undergraduate experience for rural students using the best practices from throughout the state

- Educational opportunities related to Communication and Journalism
- Opportunity to extend service to the socially backward through outreach programmes
- The Open course offered by the department grants opportunity to improve the soft skills of students which provide them better chances in the job market
- The Certificate Course in Photography offered by the department has been planned to introduce the students to Photo Journalism and its numerous opportunities

#### CHALLENGES

- Reduced funding of higher education
- Growing competition from nearby colleges with better infrastructure facilities
- Risk of losing students who are genuinely interested in the subject

#### FUTURE PLAN

- The department is taking efforts to get sanction for a PG Course.
- The department plans to begin certificate course in Film Making.
- The department envisages the setting up of a full-fledged reading room with internet connectivity.
- Journals of national and international acclaim will be made available in the department library.
- Language lab facility will be made available to students.

## Department of Hindi

|   |   |  |             |        |
|---|---|--|-------------|--------|
| 1 | Name of the Department  | Department of Hindi  |             |        |
| 2 | Year of Establishment   | 1966   |             |        |
| 3 | Names of Programmes/Courses Offered   | UG   | B.A.Hindi   |        |
|   |   | PG   | -           |        |
| 4 | Names of Interdisciplinary courses and departments involved                       | Nil  |             |        |
| 5 | Annual/ Semester/choice based credit system (programme wise)                      | Choice Based Credit and Semester System for UG (6 Semester)  |             |        |
| 6 | Participation of the department in the courses offered by other departments       | Open course in EnviornmentalStudies,Folklore and Filmstudiesoffered to all UG students of V semester |             |        |
| 7 | Coursesin collaborationwithotheruniversities,industries,foreigninstitutions, etc. | Nil  |             |        |
| 8 | Detailsofcourses/programmes discontinued(ifany)withreasons                        | Nil  |             |        |
| 9 | Number of teaching posts  | Post   | Sancti oned | Filled |
|   |   | Professors   | -           | -      |
|   |   | Associate Professors   | -           | -      |
|   |   | Asst. Professors   | 5           | 5      |

## 10. Faculty Profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil.etc.)

| Name           | Designation         | Qualification               | Specialization | No. of Years of Experience | No. of PhD Students guided |
|----------------|---------------------|-----------------------------|----------------|----------------------------|----------------------------|
| Dr.Lekha.P     | Assistant Professor | MA,BEd,SLET, SET,Ph.D       | Literature     | 12                         | -                          |
| Dr.Sumith.P.V  | Assistant Professor | MA,M.Phil, Ph.D             | Translation    | 2.5                        | -                          |
| Dr.Lekshmy.S.S | Assistant Professor | M.A,M.Ed,NET in Edn,SET,PhD | Literature     | 2.5                        | -                          |
| Dr.Renu.S      | Assistant Professor | MA,Bed,M.Phil, Ph.D         | Literature     | 2.5                        | -                          |
| Dr.Sreekala.U  | Assistant Professor | MA,BEd, Ph.D                | Literature     | 2.5                        | -                          |

## 11. List of senior visiting faculty Nil

12. Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty: (in %)

| Year          | 2012-2013 |    | 2013-2014 |    | 2014-2015 |    | 2015-2016 |    | 2016-17 |    |
|---------------|-----------|----|-----------|----|-----------|----|-----------|----|---------|----|
| Programme     | UG        | PG | UG        | PG | UG        | PG | UG        | PG | UG      | PG |
| % of Lectures | 56        |    | 66        |    | 19        |    | 19        |    | Nil     |    |

13. Student Teacher Ratio (programme wise)

| UG   |               | PG |
|------|---------------|----|
| Core | Complementary |    |
| 40:1 | 40:1          |    |

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

|               | Sanctioned | Filled |
|---------------|------------|--------|
| Lab Assistant | Nil        | -      |

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

| Number of present faculty members with highest degree |      |       |    |
|---|------|-------|----|
| D.Sc/ D.Litt  | Ph.D | MPhil | PG |
| Nil   | 5    | 2     | 5  |

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received Nil

17. Departmental projects funded by DST, DBT, ICSSR, etc. and grants received

| Name              | Agency | Year of sanction | Grant received | Status    |
|-------------------|--------|------------------|----------------|-----------|
| Dr. Lekha.P       | UGC    | 2011             | 85,000.00      | Completed |
| Dr. Smitha.R.Nair | UGC    | 2013             | 1,30,000.00    | Completed |

18. Research Centre/Facility recognized by the University Nil

19. Publications: a) Publication per faculty

| Publication per faculty | National  |               | International |               | Total |
|-------------------------|-----------|---------------|---------------|---------------|-------|
|                         | 2010-2016 | Prior to 2010 | 2010-2016     | Prior to 2010 |       |
| Dr.Lekha.P              | 2         | 2             | 1             |               | 5     |
| Dr.Sumith.P.V           | 23        | 18            |               |               | 41    |
| Dr.Lekshmy.S.S          | 8         | -             |               |               | 8     |
| Dr.Renu.S               | 2         | 3             |               |               | 5     |
| Dr.Sreekala.U           | 2         | 3             |               |               | 5     |

b) Number of papers published in peer reviewed journals (b1.national /b2.international) by faculty and students: Ref table below

c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCOhost, etc.)

d) Monographs:

e) Chapter in Books

| No. | Name of the Teacher | Publications in Books as chapters |
|-----|---------------------|-----------------------------------|
| 1.  | Dr Sumith PV        | 3                                 |

f) Books Edited

g) Books with ISBN/ISSN numbers with details of publishers

| Name of the Faculty | Name of the Book                                     | ISBN No.                     | Year |
|---------------------|--|------------------------------|------|
| Dr. Sumith PV       | Samkaleen hindi kavita; paridrishya aur pariprekshya | ISBN 978-93-5207-358-0       | 2017 |
|                     | Random lokam   | ISBN 978-81-925111-2-2       | 2016 |
|                     | Sikhron se sakshatkar                                | ISBN 978-93-84404-00-0       | 2014 |
| Dr. Lekshmy S S     | ISBN 978-81-8111-341-2                               | Jawahar Pusthakalay, Madhura | 2015 |

h) Citation Index

i) SNIP

j) SJR

k) Impact factor

l) h-index

| Faculty        | a  | b | c | d | e | f               | g | h | I | j | k | l |
|----------------|----|---|---|---|---|-----------------|---|---|---|---|---|---|
| Dr.Lekha.P     | 4  | - | - | - |   | 3 (proceedings) | - | - | - | - | - | - |
| Dr..Sumith.P.V | 10 | 6 | - | - | 3 | 1               | 7 | - | - | - | - | - |
| Dr.Lekshmy.S.S | 8  | - | - | - |   | 1               | 1 | - | - | - | - | - |
| Dr.Renu.S      | 5  | - | - | - |   | -               | - | - | - | - | - | - |
| Dr.Sreekala.U  | 5  | - | - | - |   | 1               | - | - | - | - | - | - |

20. Areas of Consultancy and Income Generated: Free consultancy offered

| Faculty       | Programme/Area of consultancy   | Year                                     |
|---------------|---|--|
| Dr.Lekha.P    | Resource person for Hindi Fortnight Programme<br>S.S.V.P.School,Mattannur<br>Resource person for Womens' Cell Programme, ZIBGA College<br>Resource person in National Seminars conducted by Govt. Arts and Science College, Kozhikode, Govt. Brennen College, Thalassery and Sir Syed College, Taliparamba.   | 2011<br>2017                             |
| Dr.Sumith.P.V | Resource person <ul style="list-style-type: none"> <li>National Seminar on Samkaleen Kavita; Naye Vimarsh,</li> <li>National Seminar on Sathottar Hindi Mahila Upanyaskaron ki Shyli</li> <li>NationalSeminaron Aaj ki Hindi Kavita aur uski Pravritiyyaan</li> <li>National Seminar Admi ke Vastukaran Mein Sahitya ki Jawabdehi</li> <li>National Workshop on ICT for Teaching and Learning Hindi Language &amp; Literature</li> <li>Hiindi Chetana Maas Programme on Official Language Hindi</li> <li>National seminar on Samkaleen Paridrishya aurRajesh Joshi ki</li> <li>National Seminar on Ummeed Nahi Chodti Kavitaayen</li> </ul> | 2017<br>2015<br><br><br><br><br><br>2014 |

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards d) Academic Bodies

| Faculty      | Membership   | University        | Year         |
|--------------|--|-------------------|--------------|
| Dr. Lekha P. | Member, BOS UG   | Kannur University | 2010-12      |
|              | Member, BOS PG   | Kannur University | 2014 onwards |
|              | ChairPerson UG-Board Examination                               | Kannur University | 2016 onwards |
| Dr Sumith PV | Editorial Board Member, Ispatika Bi Annual Literature Magazine | Jharkhand         | 2014 onwards |

22. Student projects-

|   |      |
|---|------|
| a) Percentage of students who have done in-house projects including inter departmental/programme  | 100% |
| b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies | Nil  |

23. Awards/ Recognitions received by faculty and students

| Faculty       | Award  | Year    |
|---------------|--|---------|
| Dr.Sumith.P.V | YUVA PURASKAR 2014 Bharatheey BhashaParishad, Kolkatta   | 2013-14 |
|               | SRIJANLOK BHASHANTAR SAMMAN 2015   | 2014-15 |
|               | ISHITHA SMRITIBAAL SAHITHYA RATNA SAMMAN 2016, Baal Sahithya Research Institute, Khattima, Utharakhand | 2015-16 |

**Achievement of students**

| Name              | Achievement in co curricular activities and sports and games   | Year    |
|-------------------|--|---------|
| Abhinav T         | Junior state representation                                    | 2012-13 |
| Athul K P         | Youth state representation                                     | 2012-13 |
| Dhanjith C P      | Selected to Kannur University Softball team                    | 2012-13 |
| Abhinav T         | Represented Palakkad Dist in the State Youth Championship      | 2013-14 |
| Basheer U         | Represented Kannur University softball Team                    | 2014-15 |
| Rinci Manu        | III Hindi Speech Competition, Kannur University, Arts Fest     | 2014-15 |
| Rijil PK          | Kannur University Intercollegiate Handball team member 2016-17 |         |
| Athul Prakash     | Kannur University Intercollegiate Handball team member         | 2016-17 |
| Athul Prakash     | Kannur University Intercollegiate Softball team member         | 2016-17 |
| Theertha Satheesh | Kannur University Intercollegiate Softball team member         | 2016-17 |
| Nithya V V        | Kannur University Intercollegiate Softball team member         | 2016-17 |
| Asraya.K          | Only Girl NCC Cadet selected for Thal Synik Camp, Delhi        | 2016-17 |

24. List of eminent academicians and scientists/ visitors to the department

| Year    | Name and designation   |
|---------|--|
| 2010-11 | Dr.Herman, Asso.Prof.of Hindi, Calicut University  |
| 2011-12 | Dr.Manu. Asso Prof Hindi, Sanskrit University, Payyanur Branch   |
| 2012-13 | Dr.Muralidharan, Principal, S.E.S.College, Sreekantapuram  |
| 2013-14 | Dr.Rajam, Asso.Prof of Hindi Mumbai University.<br>Dr.Prameela.K, Asso.Prof. of Hindi, Sanskrit University Kalady<br>Dr.Vanaja. Asso.Prof of Hindi, CUSAAT |

|         |  |
|---------|--|
|         | Dr.Sudha.B.Asso.Prof of Hindi, Calicut University<br>Dr.PramodKovvuptath.Asso.Prof of Hindi, Calicut University<br>Dr.RajuNarayanan,Asso.Prof.ofHindi,KarnatakaDakshinBharat<br>Pracharsabha,Ernakulam<br>Dr.Sunitha.Asso Pro. Of Hindi,Karnataka University   |
| 2014-15 | Dr.G.KumaranNair,Former Principal & HOD of PRNSS College,Mattannur.<br>Dr.V.Kumaran,Asso Prof of Hindi Govt.Brennen College, Thalassery.   |
| 2015-16 | Dr.JayasankarBabu.K, Asst.Prof.of Hindi,Pondichery University.<br>Dr.K.V.Muraleedhara.,Former Reader,Govt.BrennenCollege,Thalassery<br>Prof.VimaleshTripathi,LinguisticExpert.Culcutta<br>Dr.Balasubrahmanyam.Asso.Prof of Hindi,Govt. Victoria College,Palakkad<br>Dr.A.Aravindakshan, Principal (Rtd), International Hindi University, Wardha.<br>Dr.Padmapriya, Asso.prof of Hindi, Pondichery University.<br>Dr.UmaHegde, Asso.Prof.of Hindi.Kuvembu University<br>Dr.Chandrika.KAsso.Prof.of Hindi GovtCollege,Yanam,Andhrapradesh<br>Dr.Shylajavadi, Asso.Prof.of Hindi, Govt. College, Mahe.<br>Dr.SanalKrishnan, Pariyaram Ayurveda Medical College, Kannur.<br>Dr.Muralidharan.P Former Principal of S.E.S.college,Sreekandapuram |

25. Seminars/ Conferences/Workshops organized & the source of funding

| Item       | Title/Programme                                    | Funding agency   | International/<br>National/<br>Regional | Year |
|------------|--|--|---|------|
| Seminar    | Hindi Day celebration                              | Nehru Yuva   | Regional                                | 2010 |
|            | Hindi day Celebration                              | Nehru Yuva Kendra                                      | Regional                                | 2011 |
|            | Hindi day Celebration                              | Nehru Yuva Kendra                                      | Regional                                | 2012 |
|            | Different Aspects of Contemporary Hindi Literature | UGC  | National                                | 2013 |
|            | Hindi day Celebration                              | Nehru Yuva Kendra &Mini Arts & Sports Club             | Regional                                | 2013 |
|            | Hindi day Celebration                              | Nehru Yuva Kendra                                      | Regional                                | 2014 |
|            | Hindi day Celebration and Guruvandanam             | Nehru Yuva Kendra & Mini Arts & Sports Club            | Regional                                | 2015 |
|            | Different Dimensions of Modern Hindi Literature    | Collaborated with M.G.College,Irity                    | National                                | 2016 |
|            | Hindi Natak:Vividh Ayaam                           | Collaborated with Govt.Arts& Science College,Kozhikode | National                                | 2016 |
|            | Kamaleswar-a Study                                 | IQAC   | Regional                                | 2017 |
| Workshop   | Career and Hindi Language Learning                 | UGC  | National                                | 2015 |
| Conference | Conference of National Hindi Poets`.               | Collaboration with Govt.College,Chalakkudy             | National                                | 2016 |



## 26. Student profile programme/course wise

| Nameof the Course/programme |             |        | Applications Received | Selected | Enrolled |    | Pass % |
|-----------------------------|-------------|--------|-----------------------|----------|----------|----|--------|
|                             |             |        |                       |          | *M       | *F |        |
| 2010-11                     | BA Hindi    |        | 397                   | 40       | 4        | 23 | 90.32  |
| 2011-12                     |             |        | 450                   | 40       | 4        | 27 | 96.29  |
|                             | Open course | V SEM  | 21                    | 21       | 7        | 14 | 100    |
|                             |             | VI SEM | 21                    | 21       | 7        | 14 | 100    |
| 2012-13                     |             |        | 438                   | 40       | 26       | 3  | 100    |
|                             | Open course | V SEM  | 11                    | 11       | 1        | 10 | 100    |
|                             |             | VI SEM | 11                    | 11       | 1        | 10 | 100    |
| 2013-14                     |             |        | 567                   | 40       | 21       | 2  | 92     |
|                             | Open course | V SEM  | 3                     | 3        | -        | 3  | 100    |
|                             |             | VI SEM | 3                     | 3        | -        | 3  | 100    |
| 2014-15                     |             |        | 644                   | 40       | 32       | 4  | 77     |
|                             | Open course | V SEM  | 8                     | 8        | 1        | 7  | 100    |
|                             |             | VI SEM | 8                     | 8        | 1        | 7  | 100    |
| 2015-16                     |             |        | 738                   | 40       | 31       | 5  | 87     |
|                             | Open course | V SEM  | 6                     | 6        | 2        | 4  | 100    |
|                             |             | VI SEM | 6                     | 6        | 2        | 4  | 100    |
| 2016-17                     |             |        | 820                   | 50       | 39       | 10 | -      |
|                             | Open course | V SEM  |                       |          |          |    | 78.26  |

\*M=Male \*F=Female

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. Nil

## 28. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| BA Hindi           | 100%                              | -                               | -                         |

## 29. Student progression

| Year    | UG to PG | UG/PG To M.Phil. (B.Ed) | PG To Ph.D. | Ph.D. to Post-Doctoral | Employed         |                               | Entrepreneur ship/ Self-employment |
|---------|----------|-------------------------|-------------|------------------------|------------------|-------------------------------|------------------------------------|
|         |          |                         |             |                        | Campus selection | Other than campus recruitment |                                    |
| 2010-11 | 50%      | 4%                      |             |                        |                  | 7.14%                         | 2%                                 |
| 2011-12 | 53%      | 6%                      |             |                        |                  | 6%                            | 2%                                 |
| 2012-13 | 66%      | 6.2%                    |             |                        |                  | 6.2%                          | -                                  |
| 2013-14 | 77%      | nil                     |             |                        |                  | 8%                            | 3%                                 |
| 2014-15 | 70%      | 3%                      |             |                        |                  | 13.3%                         | -                                  |
| 2015-16 | 60%      | 8%                      |             |                        |                  |                               | -                                  |

## 30. Details of Infrastructural facilities

|   |  |
|---|--|
| a) Library books                              | Department library and book bank with 800 books and 4 journals |
| b) Internet facilities for staff and students | Three desk top computers with internet facility                |

|                                 |   |
|---------------------------------|---|
| c)Class rooms with ICT facility | LCD Projector is made available in one class room |
|---------------------------------|---|

31. Number of students receiving financial assistance from college, University, Government or other agencies:

| Agency     | 2012-2013 | 2013-2014 | 2014-2015 | 2015-16 | 2016-17 |
|------------|-----------|-----------|-----------|---------|---------|
| University | -         | -         | -         | -       | -       |
| Government | 55        | 58        | 64        | 66      | 72      |

32. Details on student enrichment programmes (special lectures/workshops / seminar) with external experts

1. Academic Enrichment Programme-2011 – one day seminar – Lecture by Dr. Janardhanan, Asso. Prof. of Hindi, Payyannur College.
2. Lecture by Prof Dr. Herman, Asst. Prof of Hindi, Dept of Hindi, Calicut University 2011
3. Lecture by Dr. Omana Pankan, Asso. Prof of Hindi, Govt Women's College, Kannur, 2012
4. Lecture by Dr. Manu, Asso Dept of Hindi Sanskrit University,
5. Interdisciplinary Reading Day Observation, Dr. Mohan Krishnan Kalady, Asst. Prof. of Chemistry, NSS College, Ottappalam.
6. Hindi Month Inauguration with Exhibition – an Extension Programme Inaugurated by Dr. G. Kumaran Nair, Former Principal, PRNSS College, 2014
7. International Hindi Exhibition organized with Cheruvathur Kaliyattam (All India Exhibition Committee,) Cheruvathur, Kasargod – An Extension Programme
8. Lecture in connection with Ramayana month by Dr. G. Kumaran Nair, Former Principal of PRNSS College, Mattannur
9. Lecture by Dr. Muralidharan. P former principal of SES College, Sreekanthapuram, 2017
10. Lecture talk by Dr. Ashok. B, Dept. of Hindi, Govt. Brennan College, Thalassery., 2014
11. Lecture talk in connection with Legal Awareness Class for Boys by Adv. Abhaya Kumar, Kannur Bar., 2015
12. Lecture talk in connection with Hindi Club inauguration by Dr. Meera. M, Asso. Prof. of Hindi, M. G. College, Iritty. (2011)

33. Teaching methods adopted to improve student learning:

- Induction programme.
- ICT enabled teaching.
- Effective tutorial system
- Remedial Coaching, Peer teaching and Special class for slow learners & failed students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- The Department always tries to reach out to the community through following activities:
- Teaching spoken Hindi in Kolari Sachidananda Bala Bhavan orphanage.
- Organized Exhibitions on Hindi language and literature and Folklore for school, College and public.
- Celebrated Hindi Month with Hindi exhibition. 500 school students and 200 college students participated.
- Hindi exhibition we arranged outside the Campus ie Cheruvathur, Kasargod District
- Observed 'Reading Week' and conducted many competitions.
- Guruvandanam Programme for honoring the former teachers and Alumni of Hindi department was conducted

- Exhibition organized on Ramayana Mahakavya for the public
- Conducted a Conference of National Hindi Poets which helped to carve out and instigate the creativity of the students as well as the public.

### 35. SWOT analysis

#### STRENGTHS

- Hindi department is functioning with teachers of good academic back ground. All the faculties are PhD holders.
- Good academic results.
- Majority of our students are girls.
- Minor research programmes are also undergoing.
- There is a high level of interaction between faculty and students
- Faculty members present in the academic bodies at the University level
- Good communication with students and parents.
- Good contact with Alumni
- Department have good Library

#### WEAKNESSES

- Lack of PG Programs in Hindi and Translation may enrich the academic activities.
- Lack of reference journals.
- Lack of smart class rooms, language labs.
- Lack of computer oriented education

#### OPPORTUNITIES

- PG programmes may equip the students for various posts like Translator, Journalist, Teacher, Director, Critic, Hindi officer etc.
- Various certificate courses may also enhance their employability.
- Opportunity to offer a different undergraduate experience for rural students using Hindi language.
- After taking degree many of the students are interested to serve our nation.(ie Army ,Air force and police)

#### THREATS

- Lack of necessary funding,
- competition from nearby institutions with better infrastructure facilities
- Lack of good students who are genuinely interested in the subject

#### FUTURE PLAN

- Start PG programme
- Improve research facilities
- Minor & Major research project
- Hindi Language Lab and Govt. Certified course (ie. Human rights department., Central Hindi Directorate etc)

### Department of Malayalam

|   |  |  |                               |        |
|---|--|--|-------------------------------|--------|
| 1 | Name of the Department   | Department of Malayalam  |                               |        |
| 2 | Year of Establishment  | 1964   |                               |        |
| 3 | Names of Programmes/Courses Offered  | UG   | Second Language Common Course |        |
|   |  | PG   |                               |        |
| 4 | Names of Interdisciplinary courses and departments involved                              | Nil  |                               |        |
| 5 | Annual/ Semester/choice based credit system (programme wise)                             | Choice Based Credit and Semester System for UG (4 Semester) Second Language  |                               |        |
| 6 | Participation of the department in the courses offered by other departments              | <ul style="list-style-type: none"><li>Common Course offered 1<sup>st</sup> and 2<sup>nd</sup> DC BA, B Sc and Bcom classes</li></ul> |                               |        |
| 7 | Courses in collaboration with other universities, industries, foreign institutions, etc. | Nil  |                               |        |
| 8 | Details of courses/programmes discontinued (if any) with reasons                         | Nil  |                               |        |
| 9 | Number of teaching posts   | Post   | Sanctioned                    | Filled |
|   |  | Professors   | -                             | -      |
|   |  | Associate Professors   | -                             | -      |
|   |  | Asst. Professors   | 2                             | 1      |

10. Faculty Profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

| Name              | Designation         | Qualification | Specialization               | No. of Years of Experience | No. of PhD Students guided |
|-------------------|---------------------|---------------|------------------------------|----------------------------|----------------------------|
| Dr.Sumitha Nair N | Assistant Professor | MA, Ph.D      | Criticism and Kerala Culture | 7 years                    | -                          |

11. List of senior visiting faculty Nil

12. Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty:

| Year          | 2012-2013 |    | 2013-2014 |    | 2014-2015 |    | 2015-2016 |    | 2016-17 |    |
|---------------|-----------|----|-----------|----|-----------|----|-----------|----|---------|----|
| Programme     | UG        | PG | UG        | PG | UG        | PG | UG        | PG | UG      | PG |
| % of Lectures | 55        |    | 55        |    | 55        |    | 55        |    | 55      |    |

13. Student Teacher Ratio (programme wise)

| UG   |               | PG |
|------|---------------|----|
| Core | Common course |    |
| -    | 80:1          | -  |

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

|               | Sanctioned | Filled |
|---------------|------------|--------|
| Lab Assistant | -          | -      |

## 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

| Number of present faculty members with highest degree |      |       |    |
|---|------|-------|----|
| D.Sc/ D.Litt  | Ph.D | MPhil | PG |
| Nil   | 1    | 1     | 1  |

## 16. Number of faculty with ongoing projects from a) National b) International funding agencies

and grants received Nil

## 17. Departmental projects funded by DST, DBT, ICSSR, etc. and grants received: Nil

## 18. Research Centre/Facility recognized by the University Nil

## 19. Publications: a) Publication per faculty

| Publication per faculty | National  |               | Regional  |               | Total |
|-------------------------|-----------|---------------|-----------|---------------|-------|
|                         | 2010-2016 | Prior to 2010 | 2010-2016 | Prior to 2010 |       |
| Dr. Sumitha Nair N      |           |               | 7         |               | 7     |

b) Number of papers published in peer reviewed journals (b1.national / b2.international) by faculty and students

c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)Nil

d) Monographs: Nil

e) Chapter in Books: Nil

f) Books Edited : Nil

g) Books with ISBN/ISSN numbers with details of publishers

| Faculty           | Book Published                                       | ISBN/Publishers      | Year    |
|-------------------|--|----------------------|---------|
| Dr.Sumitha Nair N | Bharathiya Natya<br>Parambaryavum<br>Mohiniyattavum' | Kairali Books Kannur | 2009-10 |

h) Citation Index

i) SNIP

j) SJR

k) Impact factor

l) h-index

| Faculty          | a | b | c | d | e | f | g | h | i | J | k | l |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.Sumitha Nair.N | 7 |   |   |   |   |   | 1 |   |   |   |   |   |

## 20. Areas of Consultancy and Income Generated Nil

| Faculty           | Area of Cosultancy   |
|-------------------|--|
| Dr.Sumitha Nair R | Classical dances-Performance and demonstration   |
|                   | Resource person AIR  |
|                   | Contemporary interpretation of Pazhasiraja through Mohniyattam   |
|                   | Indian Aesthetics  |
|                   | Resource person at a programme at Music Therapy Foundation, Calicut<br>Resource person, national seminar on Body Performance and Culture |

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards d) Academic bodies

| Faculty          | Membership                            | University        | Year    |
|------------------|---------------------------------------|-------------------|---------|
| Dr. Sumitha Nair | Chairman-UG&PG BOS for Dance Combined | Kannur University | 2010-12 |

22. Student projects

|   |     |
|---|-----|
| a) Percentage of students who have done in-house projects including inter departmental/programme  | NA  |
| b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies | Nil |

23. Awards/ Recognitions received by faculty and students.

| Faculty           | Award   | Year |
|-------------------|---|------|
| Dr.Sumitha Nair N | Natya Ratna Award for excellence in classical dance | 2000 |
|                   | Rangasree Puraskaram for excellence in Mohiniyattam | 2015 |
|                   | Streeshakthi Puraskaram for excellence in Academics | 2017 |

24. List of eminent academicians and scientists/ visitors to the department

| Year    | Name and designation   |
|---------|--|
| 2010-11 | Sri K K Marar, Historian and Artist , Thalassery, Kannur Dist              |
|         | Dr. Kumaran Vayaleri, Folklorist, Retd. Professor , Calicut University     |
|         | Prof.Narendran .K,Retd.Prof,Govt.Brennen College, Thalasseri               |
| 2011-12 | K K Gopala Krishnan, Journalist , Thrissur                                 |
| 2012-13 | Sri.Kunhappa Pattannur poet , Kannur Dist                                  |
|         | V T Murali, Music Director. Vadakara                                       |
| 2013-14 | Sri Sreejith Vocalist , Teacher Kuthuparamba High School                   |
|         | V T Murali, Music Director. Vadakara                                       |
| 2014-15 | Unni Varier – Co- ordinator Spicmacay, Palakkad                            |
| 2015-16 | Unni Varier – Co- ordinator Spicmacay, Palakkad                            |
|         | Dr. Sathya Narayanan , Associate Professor, Department of Malayalam        |
| 2016-17 | Dr.Abdul Azees, Principal, Sir Syed College, Thaliparamba                  |
|         | Sri. Pramod Vellachal, Assistant Professor, Mahatma Gandhi College Iritty. |
|         | Sri.Baburaj Ayyallur, Writer   |

25. Seminars/ Conferences/Workshops organized & the source of funding Nil

26. Student profile programme/course wise: Not Applicable

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: Not applicable

28. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| Common Course      | 100%                              | -                               | -                         |

29. Student progression: Not Applicable

30. Details of Infrastructural facilities

|   |                       |
|---|-----------------------|
| a) Library                                    | -                     |
| b) Internet facilities for staff and students | One desk top computer |

31. Number of students receiving financial assistance from college, University, Government or other agencies: NA

### 32. Details on student enrichment programmes (special lectures/workshops / seminar) with external experts

1. Prof.Narendran .K, Retd.Prof, Govt.Brennen College, Thalasseri, delivered a talk on “Malayala Bhashayum sahithyavum”
2. Dr.Kumaran vayaleri, Folklorist delivered a lecture on Folk art and culture
3. K K Gopala Krishnan, Journalist, Thrissur delivered a speech on Koodiyattam
4. Lecture by Sri K K Marar famous artist on Art forms and literature.
5. Lecture by Sri.Kunhappa Pattannur poet, Kannur Dist, on Poetry and society.
6. Sri Sreejith Vocalist, Teacher Kuthuparamba High School, delivered a speech on Attakatha Sahithyam
7. Lecture by V T Murali, Music Director. Vadakara on Music and Life
8. Unni Varier – Co- ordinator Spicmacay, Palakkad delivered a speech on Kadhakali Sahithyam.
9. Dr. Sathya Narayanan, Associate Professor, Department of Malayalam, delivered a lecture on Importance of reading culture.
10. Dr.Abdul Azees, Principal, Sir Syed College, Thaliparamba, delivered a speech on “Malayala Bhashayum samskaravum”.
11. Academic Enrichment Programme 2017, Sri Pramod Vallachal Asst Professor MG College Iritty, delivered a speech on “Haritha niroopanam Malayalakavithayil”
12. Sri BabuRaj Ayallur Novelist and Health Inspector delivered a commemoration speech on O N V Kurup – O N V Anusmaranam

### 33. Teaching methods adopted to improve student learning:

- Assignment
- ICT

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

#### Extension activities

The department of Malayalam in association with Vidhyarangam kala sahithyavedi mattannur sub district organized a programme entitled the malayalam language pedagogy and intimation of Kerala dance performance on 6<sup>th</sup> February at mahadeva hall mattannur . The programme intended to inculcate a passionate awareness in the minds of the new generation about our language and art Dr. Sumitha Nair presented a demonstration of mohiniattam and sumesh a delivered a talk on language pedagogy.

#### Department publications

Manuscript magazines were published in order to encourage the literary pursuits of the students.

1. Manuscript magazine “THAPASYA” 2014-15.
2. Manuscript magazine “JALAKAM ” 2015-16.
3. Manuscript magazine “ DRISYAM ” 2016-17
4. Published work by Jithin “Pranaya Kavithakal” 2016

The Department took due initiative in publishing the collected poems of Jithin (student of English Department), a differently abled student. The department gave financial support to Jithin for the same as a token sign to encourage such students.

### 35 .SWOC ANALYSIS

Malayalam department of P.R.N.S.S College has been functioning so meticulously in both the curricular and co curricular realms, catering to the demands and satisfaction of the students. The department likes to record here its self esteem for being for often the part and parcel of the entire institutional activities.



**STRENGTH:**

- Dr. Sumitha Nair, HOD Malayalam has been granted a Minor Research Project for studying the cultural politics of the major festivals
- Dr. Sumitha Nair. Ph.D in language and Literature for the in-depth study on the Indian dance form called 'MOHINIYATTAM' is both a theoretician and performer of the said art form. In the various cultural programmes within the colleges and Universities she acts as the major source of inspiration and training to the students.
- Certificate course in Dance being conducted for the students provides opportunities for the talented students to pursue learning both academic and extracurricular education simultaneously.

**WEAKNESS**

- The department has only one permanent lecturer
- The department is not having a library.

**OPPORTUNITIES**

- Start a UG programme in Malayalam
- Initializing an open course Malayalam
- Collaborations.

**CHALLENGES**

- Decrease in the number of enrolling students to learn Malayalam as the second language.

**FUTURE PLANS**

- To start degree courses in the department
- To set up the departmental library
- To strengthen the literary club activities

### Department of Physical Education

|   |  |   |            |        |
|---|--|---|------------|--------|
| 1 | Name of the Department   | Department of Physical education  |            |        |
| 2 | Year of Establishment  | 1965  |            |        |
| 3 | Names of Programmes/Courses Offered  | UG  | Nil        |        |
|   |  | PG  | Nil        |        |
| 4 | Names of Interdisciplinary courses and departments involved                              | Open course- History, Economics, English, Maths, Physics, Hindi and Bcom. |            |        |
| 5 | Annual/ Semester/choice based credit system (programme wise)                             | Open Course in ‘Health and Fitness Education.’                            |            |        |
| 6 | Participation of the department in the courses offered by other departments              | Nil   |            |        |
| 7 | Courses in collaboration with other universities, industries, foreign institutions, etc. | Nil   |            |        |
| 8 | Details of courses/programmes discontinued (if any) with reasons                         | Nil   |            |        |
| 9 | Number of teaching posts   | Post  | Sanctioned | Filled |
|   |  | Professors  | -          | -      |
|   |  | Associate Professors  | 1          | 1      |
|   |  | Asst. Professors  | -          | -      |

10. Faculty Profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil.etc.)

| Name             | Designation         | Qualification    | Specialization  | No. of Years of Experience | No. of PhD Students guided |
|------------------|---------------------|------------------|---|----------------------------|----------------------------|
| Muralidharan.P.T | Associate Professor | MA, MP Ed, PGDCA | Theory:<br>Exercise Physiology<br>Game:<br>Volleyball | 25                         | Nil                        |

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty: (in %) NA

| Year          | 2010-2011 |    | 2011-2012 |    | 2012-2013 |    | 2013-2014 |    | 2014-2015 |    | 2015-2016 |    |
|---------------|-----------|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|----|
| Programme     | UG        | PG | UG        | PG | UG        | PG | UG        | PG | UG        | PG | UG        | PG |
| % of Lectures |           |    |           |    |           |    |           |    |           |    |           |    |

13. Student Teacher Ratio (Programmewise)

| UG&PG  |
|--------|
| 1000:1 |

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

|                  | Sanctioned | Filled |
|------------------|------------|--------|
| Full time Marker | 1          | 1      |

## 15. Qualifications of teaching faculty with D.Sc/D.Litt/Ph.D/MPhil/PG.

| Number of present faculty members with highest degree |      |       |    |
|---|------|-------|----|
| D.Sc/ D.Litt  | Ph.D | MPhil | PG |
|   |      |       | 1  |

## 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

## 17. Departmental projects funded by DST, DBT, ICSSR, etc. and grants received

| Name | Agency | Year of sanction | Grant received | Status |
|------|--------|------------------|----------------|--------|
| Nil  |        |                  |                |        |

## 18. Research Centre/Facility recognized by the University Nil

## 19. Publications: a) Publication per faculty

| Publication per faculty | National |               | International |               | Total |
|-------------------------|----------|---------------|---------------|---------------|-------|
|                         | 2010-16  | Prior to 2010 | 2010-2016     | Prior to 2010 |       |
| Muralidharan P T        |          | 1             |               |               | 1     |

b) Number of papers published in peer reviewed journals (b1.national / b2.international) by faculty and students

c) Number of publications listed in International Database (Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCOhost, etc.)

d) Monographs

e) Chapter in Books

f) Books Edited

g) Books with ISBN/ISSN numbers with details of publishers

h) Citation Index

i) SNIP

j) SJR

k) Impact factor l) h-index

## 20. Areas of Consultancy and Income Generated: No income generated.

| Faculty                   | Programme   | Year            |
|---------------------------|---|-----------------|
| Physical training         | For Military, Paramilitary and Police force aspirants | 2010-17         |
| Aerobics training         | Public  | 2014-15         |
| Coaching in various games | School students                                       | During holidays |

## 21. Faculty as members in a) National committees b) International Committees c) Editorial Boards:

| Name of the faculty | Name of the Committee/ Editorial board                                     | University/ National/ International | Period     |
|---------------------|--|-------------------------------------|------------|
| Muralidharan PT     | Life Member, National Association of Physical Education and Sports Science | National                            | Since 2009 |
|                     | Life Member Sports Psychology Association of India                         | National                            | Since 2011 |
|                     | Life Member International Association Sports and Computer Science          | International                       | Since 2011 |

|  |  |          |            |
|--|--|----------|------------|
|  | Accreditation committee 16 <sup>th</sup> National Games    | National | 2014-15    |
|  | National Amateur Radio License holder (call sign: VU3 MPT) | National | Since 2013 |

## 22. Student projects

|  |     |
|--|-----|
| a) Percentage of students who have done in-house projects including inter departmental/programme   |     |
| b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/ Industry/ other agencies | Nil |

## 23. Awards/ Recognitions received by faculty and students:

### Sports Achievements 2011-2012

| Name                      | Event         | Achievement   |
|---------------------------|---------------|---|
| College team              | Softball      | Secured II place in the Kannur University Softball championship                                     |
| College team              | Volleyball    | IV place in the Kannur University Intercollegiate Volleyball championship                           |
| Mr. Robin Francis         | Athletics     | Secured I place in Triple jump and second place in long jump in the Kannur University Athletic meet |
| Nibin P.M                 | Best Physique | Secured II place in the Kannur University Best Physique Competition.                                |
| Mr. Amalbhasker           | Volleyball    | Represented Kerala state youth volleyball championship.   |
| Mr. Ashamil Shaz Mohammed | Volleyball    | Selected to Kannur University Volleyball team to represent south zone volleyball tournament.        |
| Mr. Jubair,               | Softball      | Selected to Kannur University Softball team to represent for the Intervarsity tournaments.          |
| Mr. Subin Kumar P.S       | Softball      | Selected to Kannur University Softball team to represent for the Intervarsity tournaments.          |
| Mr. Sibi George           | Softball      | Selected to Kannur University Softball team to represent for the Intervarsity tournaments           |
| Arun Mohan                | Softball      | Selected to Kannur University Softball team to represent for the Intervarsity tournaments           |

### Sports Achievements 2012-2013

| Name        | Event      | Achievement   |
|-------------|------------|---|
| Amalbhasker | Volleyball | Selected to Kannur University Volleyball team to represent south zone volleyball tournament |
| Vipindas V  | Volleyball | Selected to Kannur University Volleyball team to represent south zone volleyball tournament |
| Abhinav T   | Volleyball | Junior state representation   |
| Arun M      | Volleyball | Junior state representation   |
| Vipindas    | Volleyball | Junior state representation   |
| Athul KP    | Volleyball | Youth state representation  |

|               |            |   |
|---------------|------------|---|
| Abdul basith  | Volleyball | Youth state representation                  |
| Shijil Raj    | Softball   | Selected to Kannur University Softball team |
| Dhanjith CP   | Softball   | Selected to Kannur University Softball team |
| Jubair        | Softball   | Selected to Kannur University Softball team |
| Sibi George   | Softball   | Selected to Kannur University Softball team |
| JithinUthaman | Swimming   | Selected to Kannur University Swimming team |
| Ashraf K C    | Softball   | Selected to Kannur University Softball team |

### Sports Achievements 2013-14

| Name          | Event      | Achivement   |
|---------------|------------|--|
| AmalBhaskar   | Volleyball | Represented Kannur University 2012- 2013.<br>Represented WayanadDist in the Sr State Volleyball Championship 2013-14.                |
| Abdul Basith  | Volleyball | Represented Kannur Dist in the State Youth Volleyball championship 2012-13, 2013-14.   |
| Prajeesh KV   | Volleyball | Represented Kannur university Volleyball Team 2013-14<br>Represented Kannur Dist in the State youth Volleyball Championship 2013-14. |
| Abhinav T     | Volleyball | Represented Palakkad Dist in the State Youth Championship 2013-14.   |
| Sujith MV     | Volleyball | Represented Kannur Dist in the State Jr Volleyball Championship 2013-14.   |
| Jamshad K     | Softball   | Selected to Kannur University Softball team 2013-14.   |
| JithinUthaman | Swimming   | Selected to Kannur University Swimming team 2013-14.   |

### Sports Achievements 2014-15

| Name          | Event      | Achivement  |
|---------------|------------|---|
| Mubasheer KP  | Volleyball | Represented Kannur university Volleyball Team 2014-15                       |
| Akhil M       | Volleyball | Represented Kannur university Volleyball Team 2014-15                       |
| Mubasheer KP  | Volleyball | Represented Kannur Dist in the State Youth Championship 2014-15             |
| Vijesh PP     | Volleyball | Represented Kannur Dist in the State Youth Championship 2014-15             |
| Abhijith Raju | Volleyball | Represented Kannur Dist in the senior State volleyball Championship 2014-15 |
| Abhinav T     | Volleyball | Represented Kannur Dist in the senior State volleyball Championship 2014-15 |
| Basheer U     | Softball   | Represented Kannur university softball Team 2014-15                         |
| Rahul U       | Softball   | Represented Kannur university softball Team 2014-15                         |
| Salman Farish | Softball   | Represented Kannur university softball                                      |

|                   |          |   |
|-------------------|----------|---|
|                   |          | Team 2014-15  |
| Amaljith PS       | Softball | Represented Kannur university softball Team 2014-15 |
| Muhammed Fayis KP | Softball | Represented Kannur university softball Team 2014-15 |
| JithinUthaman     | Swimming | Selected to Kannur University Swimming team 2014-15 |
| Divek Thomas      | Swimming | Selected to Kannur University Swimming team 2014-15 |

### Sports Achievements 2015-16

| Name           | Event      | Achivement   |
|----------------|------------|--|
| Mubasheer KP   | Volleyball | Represented Kannur university Volleyball Team 2015-16  |
| Vijesh K       | Volleyball | Represented Kannur university Volleyball Team 2015-16  |
| JishnuGireesh  | Volleyball | Represented Kannur university Volleyball Team 2015-16  |
| Aswanth P      | Volleyball | Represented Kannur university Volleyball Team 2015-16  |
| Salman Farish  | Softball   | Represented Kannur university softball Team 2015-16    |
| Amaljith PS    | Softball   | Represented Kannur university softball Team 2015-16    |
| Jimith PK      | Softball   | Represented Kannur university softball Team 2015-16    |
| Basheer U      | Softball   | Represented Kannur university softball Team 2015-16    |
| RinjuChandroth | Softball   | Represented Kannur university softball Team 2015-16    |
| Basheer U      | Handball   | Selected to Kannur University Handball team 2015-16    |
| Amaljith PS    | Handball   | Selected to Kannur University Handball team 2015-16    |
| Mubasheer KP   | Volleyball | Selected to Kannur Dist. Youth Volleyball team 2015-16 |
| Rashid M       | Volleyball | Selected to Kannur Dist. Youth Volleyball team 2015-16 |
| Aswanth        | Volleyball | Selected to Kannur Dist. Youth Volleyball team 2015-16 |
| Amal Mathew    | Volleyball | Selected to Kannur Dist. Youth Volleyball team 2015-16 |
| Mubasheer KP   | Volleyball | Selected to Kannur District Senior Volleyball team     |
| Vijesh K       | Volleyball | Selected to Kannur District Senior Volleyball team     |

**Sports Achievements National Level 2016-2017**

| Name           | Event    | Achivement  |
|----------------|----------|---|
| Salman Farish  | Softball | Participated in the Softball IPL tournament held at Delhi. Secured second place in the South Zone National Softball tournament held at Hyderabad. |
| RinjuChandroth | Softball | Participated in the Softball IPL tournament held at Delhi.  |
| Amaljith PS    | Softball | Participated in the Softball Senior National Championship held at Chennai. Also selected for National Games 2017-2018 at Goa.                     |

**Sports Achievements 2016-2017**

**Volleyball**

| Name            | Event      | Achivement   |
|-----------------|------------|--|
| JishnuGireesh   | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Amal Mathew     | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Jyothish PK     | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Aswanth K       | Volleyball | Kannur University Intercollegiate Volleyball team member |
| ShijinShaji     | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Muhammed Subair | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Arun MS         | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Abdul Junaid    | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Akhil P         | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Adarsh CJ       | Volleyball | Kannur University Intercollegiate Volleyball team member |
| AnanduChandran  | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Akhil V         | Volleyball | Kannur University Intercollegiate Volleyball team member |
| Amal Mathew     | Volleyball | Selected to Kannur university Volleyball Team 2016-17    |
| JishnuGireesh   | Volleyball | Selected to Kannur university Volleyball Team 2016-17    |
| Aswanth P       | Volleyball | Selected to Kannur university Volleyball Team 2016-17    |



### Hand ball - 2016-2017

| Name           | Event    | Achivement   |
|----------------|----------|--|
| Fayis KP       | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Rinjuchandroth | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Amaljith PS    | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Salman Farish  | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Jimith PK      | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Hiran E        | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| AmalBabu       | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| ArunBabu       | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Akhil K        | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Athul Prakash  | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Arun           | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Rijil PK       | Handball | Kannur University Intercollegiate Handball team member 2016-17 |
| Fayis KP       | Handball | Selected to Kannur University Handball team 2016-17            |
| Rinjuchandroth | Handball | Selected to Kannur University Handball team 2016-17            |

### Chess, Wrestling & Judo 2016-2017

| Name          | Event     | Achivement   |
|---------------|-----------|--|
| Salman Farish | Chess     | Selected to Kannur University Chess team 2016-17.  |
| Delvin Joseph | Wrestling | Secured Silver medal in the Kannur Uty Intercollegiate wrestling 65 kg category                  |
| Sruthimol     | Judo      | Secured silver medal in the Kannur dist. Judo Championship. Represented State Judo championship. |

### The following players selected to Kannur Dist. Youth Volleyball Team 2016-17

| Name          | Event      | Achivement   |
|---------------|------------|--|
| Aswanth K     | Volleyball | Selected to Kannur Dist. Youth Volleyball team 2016-17 |
| JishnuGireesh | Volleyball | Selected to Kannur Dist. Youth Volleyball team 2016-17 |
| Amal Mathew   | Volleyball | Selected to Kannur Dist. Youth                         |

|              |            |  |
|--------------|------------|--|
|              |            | Volleyball team 2016-17                                      |
| Jyothish PK  | Volleyball | Selected to Kannur Dist. Youth Volleyball team 2016-17       |
| Shijin S     | Volleyball | Selected to Kannur District Senior Volleyball team 2016-17   |
| Mr. Arun MS  | Volleyball | Selected to Wayanad District Youth Volleyball team 2016-17   |
| Adarsh C J   | Volleyball | Selected to Kannur District Junior Volleyball team 2016-17   |
| Amal Mathew  | Volleyball | Selected to Kannur District senior Volleyball team 2016-17   |
| Mubasheer KP | Volleyball | Selected to Kannur District senior Volleyball team 2016-17   |
| Shijin S     | Volleyball | Selected to Palakkad District senior Volleyball team 2016-17 |

#### Softball Men 2016-2017

| Name                | Event    | Level of participation   |
|---------------------|----------|--|
| Fayis KP            | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Rinjuchandroth      | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Amaljith PS         | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Salman Farish       | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Jimith PK           | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Hiran E             | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| AmalBabu            | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| ArunBabu            | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Arun K              | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Athul Prakash       | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Vipin EK            | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Vipin PK            | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Jaganath            | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Jishnu Ramachandran | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Aswanth K           | Softball | Kannur University Intercollegiate Softball team member 2016-17 |
| Amaljith PS         | Softball | Selected to Kannur University Softball                         |

|               |          |  |
|---------------|----------|--|
|               |          | team for All India Interuniversity tournament 2016-17  |
| Salman Farish | Softball | Selected to Kannur University Softball team for All India Interuniversity tournament 2016-17 |
| Jimith PK     | Softball | Selected to Kannur University Softball team for All India Interuniversity tournament 2016-17 |
| Hiran E       | Softball | Selected to Kannur University Softball team for All India Interuniversity tournament 2016-17 |

### Softball Women Team 2016-2017

| Name             | Event    | Level of participation   |
|------------------|----------|--|
| Sruthimol C      | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| TheerthaSatheesh | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Veena KK         | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Vidya Vilasini   | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Sandra KK        | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Nithya VV        | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Anupriya K       | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Shipla K         | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Anusree v        | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Swathi K         | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Aswani K         | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Asharaya KK      | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Gayathri V       | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Arsha K Tom      | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Vandana KV       | Softball | Kannur University Intercollegiate Softball team member 2016-17                               |
| Aswani K         | Softball | Selected to Kannur University Softball team for All India Interuniversity tournament 2016-17 |

## 24. List of eminent academicians and scientists/ visitors to the department

| Year    | Name and designation                           |
|---------|--|
| 2016-17 | Dr Suresh kutty, Asso. Prof, Kannur University |

## 25. Seminars/ Conferences/Workshops organized &amp; the source of funding.

| No. | Item | Title/Programme | Funding agency | International/ National/Regional | Year |
|-----|------|-----------------|----------------|----------------------------------|------|
|     |      |                 |                |                                  |      |
|     |      |                 |                |                                  |      |

## 26. Student profile programme/course wise: Open course Health and Fitness Education

| Name of the Course/programme (refer question no. 4) | Applications received | Selected | Enrolled |    | Pass percentage |
|---|-----------------------|----------|----------|----|-----------------|
|   |                       |          | *M       | *F |                 |
| 2011-2012   | 60                    | 57       | 40       | 17 | 100%            |
| 2012-2013   | 50                    | 62       | 14       | 28 | 100%            |
| 2013-2014   | 45                    | 40       | 15       | 25 | 100%            |
| 2014-2015   | 45                    | 40       | 28       | 12 | 100%            |
| 2015-2016   | 55                    | 45       | 20       | 25 | 100%            |
| 2016-2017   | 52                    | 52       | 36       | 16 | 100%            |

\*M=Male \*F=Female

## 27. How many students have cleared national and state competitive examinations such as NET,

SLET, GATE, Civil services, Defense services, etc. NA

## 28. Diversity of Students

| Name of the Course           | % of students from the same state | % of students from other States | % of students from abroad |
|------------------------------|-----------------------------------|---------------------------------|---------------------------|
| Health and Fitness Education | 100%                              | Nil                             | Nil                       |

## 29. Student progression: NA

| Year | UG To PG | PG to M.Phil. | PG To Ph.D. | Ph.D. To Post-Doc | Employed         |                               | Entrepreneurship/ Self-employment |
|------|----------|---------------|-------------|-------------------|------------------|-------------------------------|-----------------------------------|
|      |          |               |             |                   | Campus selection | Other than campus recruitment |                                   |
|      |          |               |             |                   |                  |                               |                                   |

## 30. Details of Infrastructural facilities

| Sl. No | Facility                   | No          |
|--------|----------------------------|-------------|
| 1      | Football ground            | 1           |
| 2      | Soft ball court            | No separate |
| 3      | Basketball court           | 1           |
| 4      | Volleyball court           | 2           |
| 5      | Handball court             | 1           |
| 6      | Cricket play field         | No separate |
| 7      | Kho-Kho court.             | 1           |
|        | Training Facilities        |             |
| 1      | Multi gymnasium 12 Station | 1           |
| 2      | Motorized Treadmill        | 1           |
| 3      | Biofeedback equipment.     | 1           |

## 31. Number of students receiving financial assistance from college, University, Government or other agencies.: NA

| Agency     | 2012-2013 | 2013-2014 | 2014-2015 | 2015-16 | 2016-2017 |
|------------|-----------|-----------|-----------|---------|-----------|
| University | -         | -         | -         | -       | -         |
| Government | 14        | 11        | 7         | 12      | 11        |

**32. Details on student enrichment programmes (special lectures/workshops / seminar) with external experts**

- Conducted one day talk on Psychological Aspects of Health and Fitness by University Faculty, School of Physical Education and Sports Science, Kannur University.

**33. Teaching methods adopted to improve student learning:**

**ICT Enabled teaching**

- Power Point presentations
- Simulations
- Video recorded feedback for athletes

**34. Participation in Institutional Social Responsibility**

- Free coaching and training to aspirants of Military, Para Military, Police and other forces.
- Also provides necessary sports equipment for practice.
- Free Aerobic Training to public suffering from life style diseases.

**Extension activities:**

- Department faculty and players use to give free coaching in various games to school students.
- Also give special sessions to the school players on pre competitive anxiety.

**36. SWOC analysis**

The Physical Education Department has established in the year 1965. The department offers an open course in physical education in the V semester. The name of the course is 'Health and Fitness Education'. University has constituted board of studies comprising physical education faculties to prepare syllabus and to conduct examination in the pen course.

**STRENGTH:**

- We have a volleyball sports hostel aided by Kerala State Sports Council.
- We have produced many universities, state, national and international level volleyball players including former Indian volleyball Captain Joby Joseph.
- Every year many players are getting placement under sports quota in defence service as well as in other Govt. Sectors.
- We have a good cricket team. A vast majority of the college students are interested to play cricket.
- We also have very good football, softball, badminton and Kho-Kho team.
- All these teams are showing remarkable achievements in the University intercollegiate tournaments.
- Mover over our volleyball team has secured many championships in local tournaments also.
- The shuttle badminton team practice in an indoor court after travelling 15 KM away from the institution. Within the limited facilities our college is fielding players in fourteen events in the university intercollegiate level tournaments.

**WEAKNESS:**

- Even though we have good volleyball team, we do not have a standard volleyball court.
- We use to practice cricket, football, softball, handball and athletics in one ground. The present size of the play field is 85x45.
- The shuttle badminton team practice in an indoor court after travelling 15 KM away from the institution.
- We do not have indoor facility to practice those games.
- We do not have physical conditioning facility with adequate equipment.

**OPPORTUNITY:**

- If we overcome the above weakness by providing good sports facilities like indoor stadium, cricket nets & concrete pitch, modifying the present playfield to a 400 mts track, etc..the college can build up good teams in almost all games including athletics.
- Our college has got a huge list of sports persons placed under sports quota in defense and various government departments. A part from this the main focus of physical education department is, the health related physical fitness of college students.

**CHALLENGES**

- Lack of sports facilities - unable to attract players in our institution.
- Many of the outstanding sports persons are migrating to neighboring state for improving their sports career.
- The incentives to the sports students are very meagre and fund allotment is very limited especially for the purchase of sports equipment and to meet daily allowance of athletes. At present only one seat is reserved under sports for PG course. This should be increased to give opportunity to the talented athletes.

**FUTURE PLANS:**

- Construction of standard volleyball court
- Construction of a cricket pitch (concrete) with nets
- Expansion of college play ground with a 400 mts track with 8 lanes
- Construction of an indoor with multiple sports equipment
- Construction of a pavilion attached to the play field.

## POST-ACCREDITATION INITIATIVES

**If the college has already undergone the accreditation process by NAAC, please highlight the significant quality sustenance and enhancement measures undertaken during the last four years. The narrative may not exceed ten pages. (Refer section IX of Guidelines for Assessment and Accreditation)**

Pazhassi Raja NSS College is continuously formulating strategies and deploying action plans for the quality sustenance and enhancement based on the report of I cycle of accreditation by the peer team. The highlights of the major post accreditation initiatives with a perspective for further improvement and quality enhancement are given below:

- Commenced new programmes
  - PG programme in Mathematics
  - UG programme in Plant Science
- Started eleven certificate courses during the last five years
  - Certificate course on Basic Computational Skills and Graphics
  - Certificate course in Introduction to Latex, a technical documentation tool
  - Certificate course in Mushroom Cultivation
  - Foundation course in Human Rights Education
  - Certificate course in Accounting and Taxation
  - Certificate course in Photography
  - Certificate course in Hindi Translation
  - Certificate Course in DTP in Hindi
  - Certificate Course in Spoken Hindi
  - Certificate course in Classical Dance: Theory and Performance
  - Certificate Course in Computer Hardware Maintenance & Networking
- Efforts made to integrate ICT into the curriculum
  - Workshop conducted by IQAC on e-content development for teaching faculty.
  - A workshop on MOODLE conducted by IQAC for the faculty.
  - More than 60 students and many teachers have registered for various courses offered by NPTEL. 3 teachers and 4 students have qualified the examinations
  - Online examinations are being conducted for internal assessment of students.
  - Student feedback on teachers, curriculum, department and college collected online.
  - Seminar on e-learning and Virtual Lab simulations conducted by Department of Physics. Students completed projects using v-lab.
  - Certificate courses in Basic Computational Skills and Graphics offered by Department of Physics and Certificate course in Latex-a technical documentation tool by the Department of Mathematics.
  - Use of N-LIST and digital library by teachers and students at College Central Library.
  - ICT enabled seminars presented by students for internal assessment in various departments.



- Strengthened Research Activities
  - Research cell constituted
  - Two volumes of multidisciplinary journal published.
  - Science departments availed research grants from UGC and KSCSTE
  - The faculty members have completed 15 Minor Research Projects and 1 Major Research Project during the last five years. Proposals for 6 Minor Research Projects have been submitted for funding.
  - Out of 43 permanent faculty members, 35 are actively participating in research activities.
  - Six faculty members are approved research guides of Kannur University. A total of 6 PhD's have been produced during last 5 years.
  - The faculty has 62 National and 84 International publications during last five years.
  - The institution has signed MoU with four other institutions ensuring academic exchange and collaborative research.
- Consultancy and extension activities undertaken.
  - Many faculty members offer free consultancy to students of other institutions and public.
  - All departments and clubs undertake extension and outreach programs with the financial support of external agencies like MoEF, UGC, KSCSTE, CED and EMC
- Infrastructure facilities improved
  - Administrative office is fully computerized.
  - New class rooms, seminar hall, smart classroom, girls friendly toilets built up.
  - Established new handball and kho-kho court.
  - Two rain water harvesting tanks constructed .
- Vacant positions of 26 faculty members, 1 librarian and 5 non-teaching staff were filled during the last five years
- Improved performance in academic and co-curricular activities
  - 11 National seminars, 2 National conferences, 2 National Workshops, 62 Regional Seminars and 13 Regional Workshops conducted.
  - Many students from various departments cleared NET, JRF and other competitive exams.
  - During the last four years, 56 students got placement after completion of the course.
  - Won several prizes at University level arts fest and championships in sports.
  - NSS activities have been strengthened and the NSS units, Programme officers and volunteers have won awards at University, State and National level.
- Initiatives taken to promote green consciousness
  - Green audit, Energy audit, water audit and bio-diversity audit done.
  - Pipe composts and vermin compost tank installed.
  - Undertaken plastic eradication campaign in collaboration with Mattannur Municipality.

ANNEXURE

**DECLARATION FROM PRINCIPAL**



**Pazhassi Raja N.S.S.College,Mattanur**

670702, Kannur, Kerala

Tel: 0490-2471747, 2471253(Prin)

E-mail: [prnsscollege@yahoo.com](mailto:prnsscollege@yahoo.com)

[www.prnsscollege.ac.in](http://www.prnsscollege.ac.in)

**Declaration by the Head of Institution**

I certify that the data included in the Self Study Report (SSR) are true to the best of my knowledge.

The SSR is prepared by the institution after internal discussions and no part thereof has been outsourced.

I am aware that the peer team will validate the information provided in the SSR during the peer team visit.

Mattanur

29.03.2017

Principal

**Dr.T.L.REMADEVI**  
PRINCIPAL  
P.R.NSS COLLEGE  
MATTANNUR

**CERTIFICATE OF COMPLIANCE****Pazhassi Raja N.S.S.College,Mattanur**

670702, Kannur, Kerala

Tel: 0490-2471747, 2471253(Prin)

E-mail: prnsscollege@yahoo.com

[www.prnsscollege.ac.in](http://www.prnsscollege.ac.in)**Certificate of compliance**

(Affiliated/ constituent/autonomous colleges and recognized institutions)

This is to certify that Pazhassi Raja N S S College, Mattanur, Kannur District fulfills all norms

1. Stipulated by the affiliating University and/or
2. Regulatory council /body ( such as UGC,NCTE, AICTE, MCI, DCI, BCI) and
3. The affiliation and recognition is valid as on date

In case the affiliation/ recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation shall stand cancelled automatically once the institution loses its University affiliation or recognition by the regulatory council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaken given in NAAC will be displayed on the college website.

Mattanur

29.03.2017

Principal

**Dr.T.L.REMADEVI**  
PRINCIPAL  
P.R.NSS COLLEGE  
MATTANNUR

## LIST SHOWING 2(F) AND 12 (B) STATUSES

Kannur University, Kannur

| Name and address of the college   | Status         | Year of Estb. | Nature of Affiliation | Teaching Upto | Govt or Non Govt | Aided or Unaided |
|---|----------------|---------------|-----------------------|---------------|------------------|------------------|
| P.K.M. College of Education<br>Madampam,<br>Kannur-670 631<br>Kerala                                  | 2(f) and 12(B) | 1995          | Permanent             | Bachelor's    | Non Government   |                  |
| Payyannur College<br>Payyannur<br>Dist. Kannur - 670 327<br>Kerala                                    | 2(f) and 12(B) | 1965          | Permanent             | Bachelor's    | Non Government   |                  |
| Pazhassi Raja N.S.S. College<br>Mattannur<br>Dist. Kannur<br>Kerala                                   | 2(f) and 12(B) | 1964          | Permanent             | Bachelor's    | Non Government   |                  |
| Peoples Co-operative Arts & Science College<br>Munnad<br>P.O. Munnad<br>Kasaragod - 671 541<br>Kerala | 2(f)           | 2005          | Temporary             | Master's      | Non Government   | Unaided          |
| S.E.S. College<br>Seekantapuram<br>Dist. Kannur - 670631<br>Kerala                                    | 2(f) and 12(B) | 1991          | Permanent             | Bachelor's    | Non Government   |                  |
| Sir Syed College<br>P.O. Karimbam<br>Taliparamba - 670 142<br>Kerala                                  | 2(f) and 12(B) | 1967          | Permanent             | Master's      | Non Government   | Aided            |
| Sree Narayan College<br>Kannur<br>Dist. Kannur - 670 007<br>Kerala                                    | 2(f) and 12(B) | 1960          | Permanent             | Master's      | Non Government   |                  |
| St. Pius Xth College<br>Rajapuram<br>Dist. Kasargod - 671 532<br>Kerala                               | 2(f) and 12(B) | 1995          | Permanent             | Bachelor's    | Non Government   | Aided            |

Attended



As on 31.12.2016

Dr.T.L.REMADEVI  
PRINCIPAL  
P.R.NSS COLLEGE  
MATTANNUR

CPP-I/C

Page 470 of 1332



## LAST GRANT IN AID CERTIFICATE

Diary No. 4703

6/13/2014  
2/6/14

ज्ञान-विज्ञान विमुक्तये

विश्वविद्यालय अनुदान आयोग  
नैरुत्य प्रादेशिक कार्यालय  
**UNIVERSITY GRANTS COMMISSION**  
SOUTH WESTERN REGIONAL OFFICE  
P.K. Block, Palace Road, Gandhinagar  
Bangalore-560 009.  
Phone : (080) 2228 0380 Fax : (080) 2228 0381

3-2(004)/2012(UG)(XII PLAN)/KLKA004/SWRO

The Accounts Officer  
South Western Regional Office  
University Grants Commission  
P.K. Block, Palace Road  
Gandhinagar, Bangalore

21-Mar-14

Sub: Release of Grants-in-aid to PRNSS COLLEGE, MATTANUR, KANNUR for the year 2013-2014 under  
"General Development Assistance" (Plan)

Sir/Madam,

I am directed to convey the sanction of the University Grants Commission for payment of grant of Rs.1514356/- for the year 2013-2014 equivalent to 40% of XIIth Plan allocation to PRNSS COLLEGE, MATTANUR, KANNUR for "General Development Assistance" (Plan), expenditure to be incurred during 2013-2014.

| NAME OF THE SCHEME                           | HEAD OF ACCOUNT | ALLOCATION<br>Rs. | GRANT TO BE SANCTIONED BY 2013-14<br>40% OF ALLOCATION<br>Rs. | GRANT ALREADY SANCTIONED IN 2012-13 AS Ad-hoc GRANT<br>(Other than Building)<br>Rs. | GRANT NOW BEING SANCTIONED<br>(Other than Building)<br>Rs. | BALANCE<br>Rs. |
|--|-----------------|-------------------|---|---|--|----------------|
| General Development Assistance (Block Grant) | 2(B)            | 4535892/-         | 1814356/-   | 300000/-<br>(ie GDA 1 INSTALLMENT)  | 1514356/-  | 2721536/-      |

You are requested to utilise the sanctioned amount proportionately as detailed below :-

|                       |                 |                 |
|-----------------------|-----------------|-----------------|
| GENERAL - 1173625.9/- | SC - 227153.4/- | ST - 113576.7/- |
|-----------------------|-----------------|-----------------|

- The amount released may be utilised within the allocated amount under Grant-in-aid General (31) and Capital Assets (35) as conveyed vide letter no. 3-2(004)/2012(UG)(XII PLAN)/KLKA004/SWRO dated 21-Mar-2014. Re-appropriation of funds between Grant-in-aid General (31) and Capital (35) is not permissible.
- The sanctioned amount is debitable to 2(B) and is valid for payment during the financial year 2013-2014 only.
- The amount of the Grant shall be drawn by the Accounts Officer/Drawing and Disbursing Officer, South Western Regional Office, UGC, Bangalore on the Grants-in-aid bill and shall be disbursed to and credited to the Principal of the College through Electronic mode as per the following details:
  - Details (Name & Address) of Account Holder: PRNSS COLLEGE, MATTANUR, KANNUR
  - Account No: 1139101056007
  - Name & address of Bank branch: CANARA BANK, MATTANUR BRANCH, THALASSERY ROAD, MATTANUR, P.O KANNUR, KERALA-670702
  - MICR Code: 670015803
  - IFSC Code: CNRB0003156
  - Type of Account: SF

- This grant can be utilised by aided colleges/courses only.
- The grant is subject to the adjustment on the basis of utilisation certificate in the prescribed proforma submitted by the College.
- The college shall maintain proper accounts of the expenditure out of the grants which shall be utilised only on approved items of expenditure.
- The College may follow the General Financial Rules, 2005 and take urgent necessary action to amend their manuals of financial procedures to bring them in conformity with GFRs, 2005 and those don't have their own approved manuals, financial procedures may adopt the provisions of GFRs, 2005 and instructions/guidelines there under from time to time.

Contd 2

- 2 -

3-2(004)/2012(UG)(XII PLAN)/KLKA004/SWRO

8. The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to UGC as early as possible after the close of current financial year.
9. The assets acquired wholly or substantially out of University Grants Commission's Grant shall not be disposed or encumbered or utilised for the purposes other than those for which the grant was given without proper sanction of the UGC and should at any time the College ceased to function, such assets shall revert to the University Grants Commission.
10. A Register of Assets acquired wholly or substantially out of the grants shall be maintained by the College in the prescribed proforma.
11. The grantee institution shall ensure the Utilization of grants-in-aid for which it is being sanctioned/paid. In case of non-utilization/part utilization thereof, the simple interest @ 10% per annum as amended from time to time on unutilised amount from the date of drawal to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged.
12. The College shall follow strictly the Government of India/UGC's guidelines regarding implementation of the reservation of policy [both vertical (for SC, ST and OBC) and horizontal (for person with disability etc.)] in teaching and non-teaching posts.
13. The College shall fully implement the Official Language Policy of Union Govt. and comply with the Official Language Act, 1963, and Official Languages (Use for Official Purposes of the Union) Rules, 1978 etc.
14. The sanction is issued in exercise of the delegation of powers vide UGC office order No.130/2013[F.No.10-11/12(Admn. IA & B)] dated 28/5/2013.
15. The College shall take immediate action for its accreditation by National Assessment and Accreditation Council (NAAC).
16. The accounts of the College will be open for audit by the Comptroller and Auditor General of India in accordance with the provisions of General Financial Rules, 2005.
17. The annual accounts i.e. balance sheet, income and expenditure statement and statement of receipts and payments are to be prepared strictly in accordance with the Uniform Format of Accounting prescribed by the Government.
18. The funds to the extent are available under the Scheme.
19. This issues with the concurrence of IFD vide Diary No. 7783 and dated 04/03/2014 respectively.
20. An amount of Rs.0/- out of the grant of Rs. 300000/- sanctioned vide letter No.3-2(004)/2012(UG)(XII PLAN)/KLKA004/SWRO dated 30/03/2013 has been utilized by the College for the purpose for which it was sanctioned and noted in Grants-in-aid Register at Page No - 14.
21. The grant is sanctioned on the basis of the information/documents provided by the college. In case of any discrepancy in the above information and the college is found ineligible for the above grant at the time of expert committee meeting the college is liable to refund the sanctioned grant along with interest.
22. The college shall ensure involvement of Technical advice on and supervision of specifications and construction standards.
23. College should abide by the UGC Regulation on curbing the menace of ragging in the Higher Educational Institution 2009, and shall take action in accordance with these regulations against those found guilty of ragging and/or abetting ragging actively or passively or being part of an conspiracy to promote ragging.

Yours faithfully

Copy to

1. The Principal

PRNSS COLLEGE

MATTANUR

KANNUR - 670 002

(He/She is requested to abide by these instructions/guidelines of sanction order.)



31/3/17

**Dr.T.L.REMADEVI**  
PRINCIPAL  
P.R.N.S.S COLLEGE  
MATTANNUR

(Dr.N. Gopukumar)  
Deputy Secretary

2. Officer of District Collector's Office, Central Revenues, AGCR Building, I.P. Estate, New Delhi

3. District Collector, Kannur

4. District Collector, Kannur - 33

5. Office copy

6. Development Council

7. Education Officer

(Neethu S Thulaseedharan)  
Education Officer



*Balagali*  
*21/6/14*



ज्ञान-विज्ञान विमुक्तये

F.No 3-2(004)/2012(UG)(XII PLAN)/KLKA004/SWRO

The Principal  
PRNSS COLLEGE  
MATTANUR  
KANNUR - 670 702

विश्वविद्यालय अनुदान आयोग  
नैरुत्य प्रादेशिक कार्यालय  
**UNIVERSITY GRANTS COMMISSION**  
SOUTH WESTERN REGIONAL OFFICE  
P.K. Block, Palace Road, Gandhinagar  
Bangalore-560 009.  
Phone : (080) 2228 0380 Fax : (080) 2228 0381

21-Mar-14

Sub: XII Plan allocation under General Development Assistance to Colleges –

Sir/Madam,

I am directed to convey the approval of the UGC to PRNSS COLLEGE, MATTANUR, KANNUR, the XIIth plan allocation under the "General Development Assistance" (GDA) for the development of undergraduate and postgraduate education. The UGC in the XIIth plan has decided to provide grants under General Developmental Assistance as 'Block Grant'. The college will have the flexibility to incur expenditure as per the needs of the college. Accordingly, grant allocated under GDA to the college is under two object heads viz. Grant-in-aid General(31) and Capital Assets (35).

| Capital Assets (35)<br>80% of total allocation<br>Rs. | Grant-in-aid General (31)<br>20% of total allocation<br>Rs. | Total<br>Rs. |
|---|---|--------------|
| 3628714/-   | 907178/-  | 4535892/-    |

1. The aforementioned allocation is for the development of undergraduate and postgraduate education. The amount released may be utilised within the allocated amount under Grant-in-aid General (31) and Capital Assets (35) as conveyed vide letter no. 3-2(004)/2012(UG)(XII PLAN)/KLKA004/SWRO dated 21-Mar-2014. Re-appropriation of funds between Grant-in-aid General (31) and Capital (35) is not permissible.
2. The heads under which college can incur expenditure include Books and Journals, Equipment, Instrumentation facilities, Construction/Extension/Renovation of building, improvement of existing premises, competence building initiatives in colleges, Educational innovation, Field Work/Study Tours, Extension Activities, ICT in education, Common room and toilet for women, Day Care Centre, Human Rights and Duties Education and, Career and Counseling Cell.
3. The college has to constitute a Planning Board with Principal as Chairman and Heads of departments, IQAC Coordinator, Librarian Bursor/Senior person from the Accounts department, as members.
4. The Planning Board will finalise allocation to Undergraduate and Postgraduate departments after identifying the heads and deciding on priorities of departments.
5. The eligibility criteria for Undergraduate and Postgraduate departments to get assistance under the scheme is given in the XIIth plan guidelines for General Development Assistance Grant to Colleges. The Planning Board may refer to the guidelines before finalizing allocation to Undergraduate and Postgraduate departments.
6. Expenditure on construction/extension/renovation of building should not exceed 50% of the total grant under GDA. The college must inform the requirement of funds or otherwise for construction/extension/ renovation of building to UGC-SWRO, as per the procedure given in the XIIth Plan guidelines for the scheme of Development Assistance to colleges for the construction of buildings during the XIIth Plan to enable release of first installment grant for construction/extension/renovation purpose.
7. After finalizing the budget allocation for Undergraduate and Postgraduate education, the Planning Board should submit the details as per Annexure-I and Annexure-II in the XIIth Plan guidelines alongwith building committee resolutions, in case funds required for Construction/Extension/Renovation, to the UGC, SWRO, Bangalore, on or before 31st June, 2014.



*Attended*

*21/3/14*

**Dr. T.L. REMADEVI**  
PRINCIPAL  
P.R.NSS COLLEGE  
MATTANUR

Yours faithfully

*(Dr. N. Gopikumar)*





MANGATTUPARAMBA  
KANNUR UNIVERSITY CAMPUS. P.O.  
KANNUR-670 567  
KERALA, INDIA

Ref: No..... PLD-A3/984/2(I) & 12(B) LisU/04

Date..... 03.11.04

### CERTIFICATE

Certified that Pazhassi Raja N.S.S. College, Mattannur has been included in the list maintained by the UGC under section 2(f) and 12(B) of the UGC Act, 1956, vide order No.F-9-1-69, dated, 22.03.1972, making it eligible for financial assistance.

REGISTRAR

TRUE COPY

*[Signature]*  
Principal  
Pazhassi Raja N.S.S. College  
Mattannur

Attended -



*[Signature]*  
3/3/15

Dr.T.L.REMADEVI  
PRINCIPAL  
P.R.NSS COLLEGE  
MATTANNUR



Thavakkara, Civil Station P. O

Kannur - 670 002

Kerala, India

Phone : 0497 2762356 - 359

Fax : 0497 2711460

E-mail : registrarknru@gmail.com

No. Acad A3/PRNSS/5120/08

Dated, Civil Station P.O 31/3/2017

**TO WHOM IT MAY CONCERN**

This is to certify that **Pazhassi Raja N S S College, Mattannur, Kannur District, Kerala**, is affiliated to the **Kannur University** since 1996-97. Temporary/Permanent Affiliation is granted to conduct the following courses in the said College.


| Sl.No. | Name of the courses/programmes and duration | Nature of Affiliation (Permanent/Temporary) | Period of validity |
|--------|---|---|--------------------|
| 1.     | B.A Hindi                                   | Permanent                                   | -----              |
| 2.     | B.A History                                 | Permanent                                   | -----              |
| 3.     | B.A Economics                               | Permanent                                   | -----              |
| 4.     | B.Sc.Mathematics                            | Permanent                                   | -----              |
| 5.     | B.Sc Physics                                | Permanent                                   | -----              |
| 6.     | B.Sc.Chemistry                              | Permanent                                   | -----              |
| 7.     | B.Com                                       | Permanent                                   | -----              |
| 8.     | B.Sc Zoology                                | Permanent                                   | -----              |
| 9.     | B.A English                                 | Permanent                                   | -----              |
| 10.    | M.Com                                       | Permanent                                   | -----              |
| 11.    | B.Sc Plant Science                          | Temporary                                   | 2016-17            |
| 12.    | M.Sc.Mathematics                            | Temporary                                   | 2016-17            |



Attested

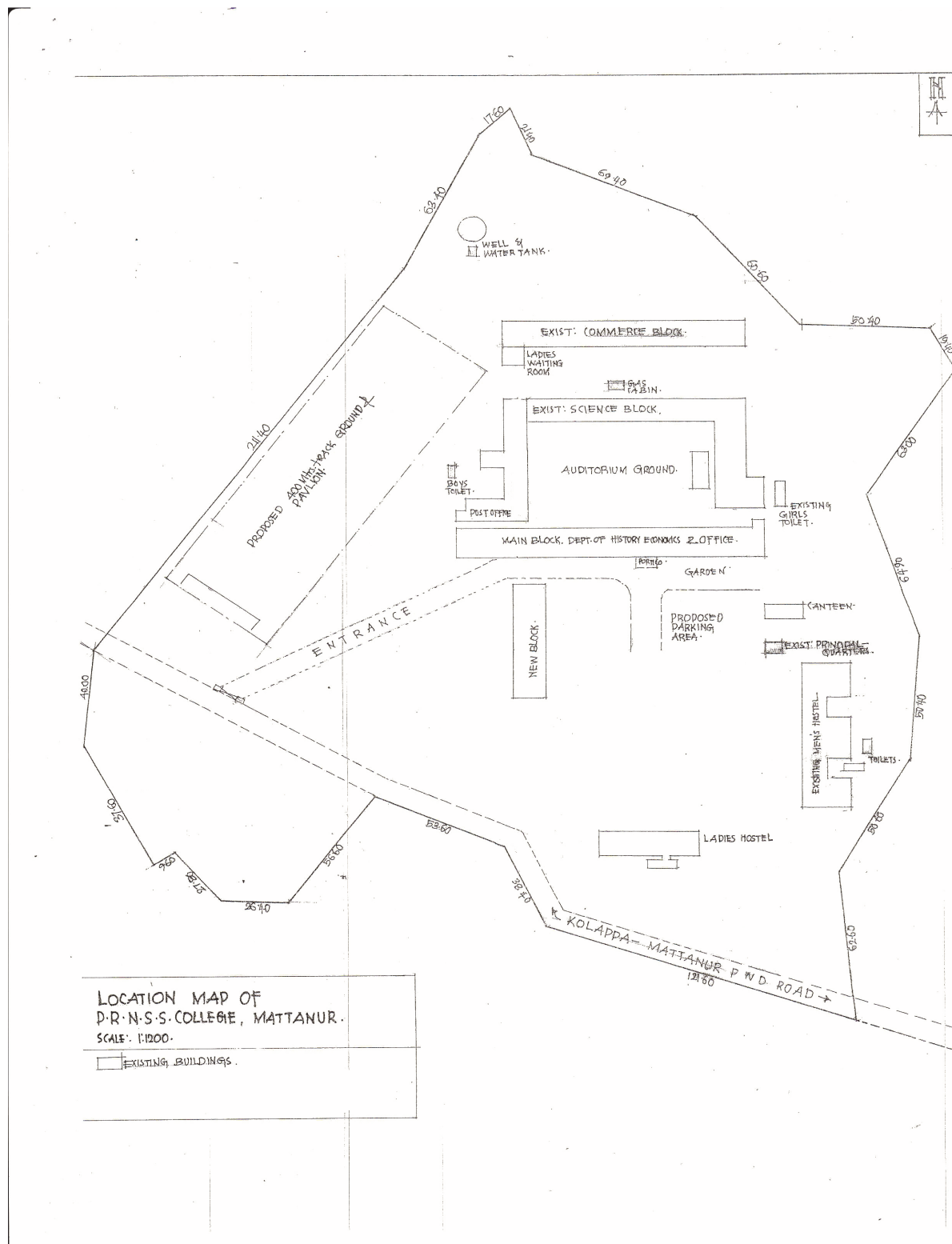


  
 Dr. Balachandran Keezhoth  
 REGISTRAR  
 Kannur University

  
 31/3/17

Dr.T.L.REMADEVI  
 PRINCIPAL  
 P.R.NSS COLLEGE  
 MATTANNUR

## MASTER PLAN











## राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

An Autonomous Institution of the University Grants Commission

# Quality Profile

**Name of the Institution** : Pazhassi Raja N. S. S. College

**Place** : Mattanur, Dist. Kannur, Kerala

| Criteria                                  | Weightage<br>( $W_i$ )    | Criterion-Wise<br>Grade<br>Point Averages<br>( $Cr_i$ GPA) | $W_i \times Cr_i$ GPA                               |
|---|---------------------------|--|---|
| I. Curricular Aspects                     | 050                       | 2.70   | 135   |
| II. Teaching-Learning and Evaluation      | 450                       | 2.38   | 1071  |
| III. Research, Consultancy and Extension  | 100                       | 2.60   | 260   |
| IV. Infrastructure and Learning Resources | 100                       | 2.75   | 275   |
| V. Student Support and Progression        | 100                       | 3.00   | 300   |
| VI. Governance and Leadership             | 150                       | 2.83   | 425   |
| VII. Innovative Practices                 | 050                       | 3.00   | 150   |
| <b>Total</b>                              | $\sum_{i=1}^7 W_i = 1000$ |  | $\sum_{i=1}^7 (W_i \times Cr_i \text{ GPA}) = 2616$ |

$$\text{Institutional Score} = \frac{\sum_{i=1}^7 (W_i \times Cr_i \text{ GPA})}{\sum_{i=1}^7 W_i} = \frac{2616}{1000} = 2.62$$

**Grade** = **B**

**Descriptor** = **GOOD**

**Date** : September 04, 2010



*HARSHAN*  
Director

- This certification is valid for a period of Five years with effect from September 04th 2010
- An institutional CGPA on four point scale in the range of 3.01 - 4.00 denotes A grade (Very Good), 2.01 - 3.00 denotes B grade (Good), 1.51 - 2.00 denotes C grade (Satisfactory)
- Scores rounded off to the nearest integer

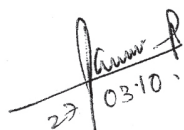
EC/53/A & A/03

PEER TEAM REPORT  
On  
Institutional Assessment and Accreditation  
of  
PAZHASSI RAJA N.SS.COLLEGE  
MATTANUR, KERALA-670702

| Section I: General   | Information  |
|--|--|
| 1.1 Name & Address of the Institution  | Pazhassi Raja NSS College Mattanur,<br>P.O:Mattanur, Dist: Kannur , State: Kerala,<br>Pin-670702   |
| 1.2 Year of Establishment  | 19 April 1964  |
| 1.3 Current academic activities at the Institution   | Arts, Commerce and Science   |
| <ul style="list-style-type: none"> <li>• Faculties</li> <li>• Departments/Centers:</li> </ul>  | <b>03</b><br><b>12</b><br>Humanities : English,Hindi,History,Economics,<br>Malayalam.<br>Science : Mathamatics, Physics, Chemistory,<br>Zoology,Botany,<br>Commerce<br>Other : Physical Education  |
| <ul style="list-style-type: none"> <li>• Programmes/Courses offered:</li> </ul>  | Doctorate (Ph.D) : 01, PG- 01 , UG - 09,<br>Certificate Course : 03  |
| <ul style="list-style-type: none"> <li>• Permanent Faculty Member:</li> <li>• Permanent Support Staff:</li> <li>• Students:</li> </ul> | 34 (15 positions vacant)<br>22 (2positions vacant)<br>1037   |
| 1.4 Three major features in the Institutional Context (As perceived by the peer team)  | 1. The college is an grant in-aid institution located in a hilly area with 17.5Acres of land<br>2. 80% of students are girls<br>3. Management is committed to provide higher education at relatively low cost to the predominantly economically poor boys and girls from the rural area. |

- 1 -

NAAC for qualify and excellence in Higher Education

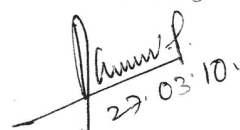
  
 27/03/10



|   |  |
|---|--|
| 1.5 Dates of visit of Peer Team                                     | 26 <sup>th</sup> , 27 <sup>th</sup> March 2010   |
| 1.6 Composition of the Peer Team which undertook the on-site visit. |  |
| a) Chairman   | Prof.P.Ramaiah<br>(Professor and (PVC))(Retd) UGC Emeritus Professor ) Flat No.405,Lumbini Apartments, Opp: Nature Cure Hospital,Dharamkaram Road, Ameerpet Hyderabad-500016 Andhra Pradesh Ph. 098490-30212   |
| b) Member Co-ordinator  | Dr.Prakash D.Patil<br>Principal<br>Camp Education Society's Dr. A.B.Telang College of Arts, Science and Commerce Pradhikaran Nigdi,Pune-44   |
| c) Member   | Prof.H.Y.Kamble<br>Director<br>Karnatak University P.G.Center<br>Bhuta Ramana Hatti<br>Belgaum-591156, Karnataka   |
| d) NAAC – coordination office                                       | Dr. Jaganath Patil, Deputy Adviser   |
| <b>SECTION II: CRITERION WISE ANALYSIS</b>                          |  |
| 2.1 Curricular Aspects  |  |
| 2.1.1 Curricular Design and Development:                            | <ul style="list-style-type: none"> <li>Curriculum development by the University is followed and is revised in 2008 and 2009</li> <li>Academic programmes are in harmony with the institutional goals and objectives.</li> <li>About 50% teachers have involved in various University bodies.</li> </ul>  |
| 2.1.2 Academic Flexibility:   | <ol style="list-style-type: none"> <li>College offers Arts, Commerce &amp; Science Programme at UG.level one Programme of Commerce at PG Level and one program of Chemistry at Doctorate level.</li> <li>The students have options to choose the major and allied subjects</li> <li>The programmes offered both UG and PG level which are run under semester (I year) and annual system (II and III yrs).</li> </ol> |

- 2 -

NAAC for qualify and excellence in Higher Education

  
27.03.10



|   |   |
|---|---|
| 2.1.3 Feedback on Curriculum:   | <ul style="list-style-type: none"> <li>Feedback from final year students received in printed format is analysed every year.</li> <li>PTA meetings held to discuss grievances.</li> <li>Feedback discussed in College council for necessary actions with Principal as chairman.</li> </ul>   |
| 2.1.4 Best Practices in Curricular aspects<br>(if any)<br>Curriculum Update | <ul style="list-style-type: none"> <li>50% of the faculty are involved in Academic bodies (BOS, Senate, Syndicate and Task force)</li> </ul>  |
| <b>2.2 Teaching ,Learning &amp; Evaluation</b>                              |   |
| 2.2.1 Admission Process and Student Profile                                 | <ul style="list-style-type: none"> <li>Admissions are made on the basis of advertisement in newspapers, website and issuing prospectus.</li> <li>Admissions to UG and PG courses are on the basis of merit in the qualified examinations.</li> <li>The college ensure the principle of equity and access to higher education for the students from SC,ST/OBC/Minor Communities as well as women by following the rules of reservation.</li> </ul> |
| 2.2.2 Catering to diverse needs   | <ul style="list-style-type: none"> <li>Remedial classes are conducted for slow learners &amp; peer teaching for advanced learners.</li> <li>Tutor ward system is introduced to identify the weak students and to meet their needs.</li> <li>Remedial classes are conducted in English.</li> </ul>   |

*[Signature]*  
27.03.10

|   |   |
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| 2.2.3 Teaching Learning Process                           | <ul style="list-style-type: none"> <li>College follows the academic calendar prepared well in advance.</li> <li>Lecture method is supported by charts, models, assignments and the use of OHP and LCD projectors</li> <li>Seminars are organized by five departments.</li> </ul>  |
| 2.2.4 Teacher Quality                                     | <ul style="list-style-type: none"> <li>About 50% teachers have Ph.D (15), and 35% have M.Phil (7) as the highest degree which is remarkable.</li> <li>Management Promotes teachers for attending conferences Seminars.</li> <li>College encourages the faculty in research and FIP by sanctioning duty leave.</li> </ul>  |
| 2.2.5 Evaluation Process and Reforms                      | <ul style="list-style-type: none"> <li>The college follows the university rules and regulations on evaluation and to redress evaluation related grievances.</li> <li>Progress of the students is monitored through Tutorial, midterm examinations and conducted regularly.</li> <li>Performance of students informed to their parents in PTA meetings.</li> </ul> |
| 2.2.6 Best Practices in Teaching-Learning and Evaluation. | <ul style="list-style-type: none"> <li>Computer facilities provided to all the departments.</li> <li>Teachers maintain their work diary.</li> </ul>   |
| <b>2.3 Research, Consultancy &amp; Extension Services</b> |   |
| 2.3.1 Promotion of Research                               | <ul style="list-style-type: none"> <li>College encourages faculty to undertake research activities (M Phil and PhD)</li> <li>College has constituted a Research Cell.</li> <li>1 Major Research Project and 12 minor and major projects have been sanctioned by UGC and others (19 lakhs).</li> </ul>   |

- 4 -

NAAC for quality and excellence in Higher Education

*Pammi S.*  
23.03.10.

|  |   |
|--|---|
| 2.3.2 Research and Publications Output                       | <ul style="list-style-type: none"> <li>Some members (3) of the faculty have been recognized as Ph.D supervisors.</li> <li>8 members of faculty have published (8) books and, 40 research papers in National &amp; International Journals.</li> <li>Few faculties are actively involved in research Projects of UGC and one Department is recognized as a research center</li> </ul> |
| 2.3.3 Consultancy  | <ul style="list-style-type: none"> <li>The College yet to develop expertise in consultancy.</li> <li>Teachers provide free consultancy to one NGO organization.</li> </ul>  |
| 2.3.4 Extension activities                                   | <ul style="list-style-type: none"> <li>Students and teachers actively participate in extension activities organized by NCC&amp; NSS units of the college.</li> <li>Blood donation camps are organized regularly</li> <li>Three departments participated in academic extension activities in Schools.</li> </ul>   |
| 2.3.5 Collaborations   | <ul style="list-style-type: none"> <li>The college is yet to develop collaboration with industries/institutions.</li> </ul>   |
| 2.3.6 Best Practices in Research, Consultancy and Extension. | <ul style="list-style-type: none"> <li>Research atmosphere in three departments exists. 14 research scholars have registered for Ph. D</li> </ul>   |
| <b>2.4 Infrastructure and Learning Resources:</b>            |   |
| 2.4.1 Physical Facilities for Learning:                      | <ul style="list-style-type: none"> <li>Spacious campus with 17.5 acres of land, with well maintained 60 classrooms and four Laboratories.</li> <li>Seminar hall has developed with audio, visual facilities.</li> </ul>   |

*[Signature]*  
22.03.10

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|  | <ul style="list-style-type: none"> <li>• Botanical garden has been maintained with some rare species of plants.</li> <li>• Hostel facilities are provided for men and women.</li> </ul>   |
| 2.4.2 Maintenance of Infrastructure:   | <ul style="list-style-type: none"> <li>• Old and new infrastructure facilities on the campus are well maintained.</li> <li>• College management has formed separate wing for construction and maintenance of buildings by allocating the funds.</li> <li>• Funds from management, UGC and PTA are utilized for maintenance and upgrading the facilities.</li> </ul>   |
| 2.4.3 Library as a Learning Resources.   | <ul style="list-style-type: none"> <li>• The Library advisory committee has been constituted for the smooth functioning of the library under the chairmanship of the principal.</li> <li>• The Library has 26230 nos. of books and 42 journals, periodicals and CDs</li> <li>• The college library has bar code access system and fully computerized using GRANDHA Software in DDC version</li> <li>• The College has provided reprographic facilities within the Library.</li> </ul> |
| 2.4.4 ICT as Learning Resources:   | <ul style="list-style-type: none"> <li>• 10 Computer systems are provided with internet facility in the computer lab.</li> <li>• All the Departments are provided with computers with Internet facility.</li> </ul>   |
| 2.4.5 Other Facilities:  | <ul style="list-style-type: none"> <li>• The College has men's hostel, ladies hostel, Multi gym, Play ground, canteen, girls waiting room, Post-office, Co-operative store and public telephone booth.</li> </ul>   |
| 2.4.6 Best Practices in the development of Infrastructure and Learning Resources (If any): | <ul style="list-style-type: none"> <li>• Documentation of Campus flora and fauna</li> <li>• The infrastructure in lab is accessible to all students and all well maintained.</li> </ul>   |

*[Signature]*  
27.03.10

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| <b>2.5 Student Support and Progression:</b>                     |  |
| 2.5.1 Student Progression:                                      | <ul style="list-style-type: none"> <li>• The pass percentage 80% plus in almost all departments reflects good academic ambience in the college.</li> <li>• 40% of the students go for higher studies.</li> <li>• The dropout rate is minimal (2%) in 6 departments 30 students obtained university rank for last five years in 6 departments.</li> <li>• Endowments established</li> <li>• Management and alumni provide financial support to the needy and poor students</li> </ul> |
| 2.5.2 Student Support:  | <ul style="list-style-type: none"> <li>• Financial assistance is provided to the students by the state/central government agencies and 85% of the students have availed the same.</li> </ul>   |
| 2.5.3 Student Activities:                                       | <ul style="list-style-type: none"> <li>• Alumni association is formed in 2004 and playing an active role</li> <li>• The college has students union which engaged in various activities.</li> <li>• The college organizes sports, NSS, NCC and extension activities.</li> <li>• The College is strong in curricular and co-curricular activities</li> </ul>   |
| 2.5.4 Best Practices in Student Support and Progression(If any) | <ul style="list-style-type: none"> <li>• Swarna jubilee scholarships and endowment prizes</li> <li>• Educational tours are conducted</li> </ul>  |

*[Signature]*  
27.03.10



|  |  |
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| <b>2.6 Governance and Leadership:</b>      |  |
| 2.6.1 Institutional Vision and Leadership: | <ul style="list-style-type: none"> <li>• The NSS trust runs 22 institutions</li> <li>• The principal as the head of the institutions ensures the active participation of teachers and nonteaching staff in the governance of the college</li> <li>• The institutional vision and mission are in tune with the national objectives and the management strives to pursue the vision and mission of quality in higher Education.</li> </ul> |
| 2.6.2 Organizational Arrangements:         | <ul style="list-style-type: none"> <li>• There exists a good leadership in the governing body/council and college executive committee.</li> <li>• The college/Principal follows the decentralized administrative systems</li> <li>• The committee system involving teaching and non teaching staff facilitates effective functioning</li> </ul>  |
| 2.6.3 Strategy Development and Deployment: | <ul style="list-style-type: none"> <li>• The college has a central information system where the data on academic and administrative matters are collected and integrated for perspective plan.</li> <li>• The college tries to offer quality education, conducive atmosphere for learning</li> <li>• Feed back obtained is utilized for the betterment of the students.</li> </ul>   |
| 2.6.4 Human Resource Management:           | <ul style="list-style-type: none"> <li>• The management and the principal assess the performance of teaching and non teaching staff on the basis of feed back and self appraisal</li> <li>• The faculty is recruited as per the guidelines of UGC, Govt. of Kerala and Kannur University.</li> <li>• The college has constituted a committee to look after the internal activities</li> </ul>  |

- 8 -

NAAC for qualify and excellence in Higher Education

*[Signature]*  
29.03.10

|   |   |
|---|---|
| 2.6.5 Financial Management and Resource Mobilization:       | <ul style="list-style-type: none"> <li>The management of the college runs 22 institutions and their financial position is very sound</li> <li>The college is under grant in aid and UGC funds are well utilised</li> <li>The college accounts are audited.</li> <li>The finance section in the office is partially computerized.</li> </ul> |
| 2.6.6 Best Practices in Governance and Leadership (if any): | <ul style="list-style-type: none"> <li>The committed management and sound financial support.</li> </ul>   |
| <b>2.7 Innovative Practices</b>                             |   |
| 2.7.1 Internal Quality Assurance System:                    | <ul style="list-style-type: none"> <li>The college has quality assurance cell and monitoring all academic activities.</li> <li>The college promotes inclusive practices for social justice by providing financial assistance to socially and economically weak students.</li> </ul>   |
| 2.7.2 Inclusive Practices:                                  | <ul style="list-style-type: none"> <li>Social empowerments of rural girls (80%) is well addressed</li> <li>90% of the students are from the radius of 15kms <del>are</del> from the rural areas.</li> <li>The academic growth is evaluated by the college every year.</li> </ul>  |
| 2.7.3 Stake holder Relationships:                           | <ul style="list-style-type: none"> <li>The stakeholders participate in college activities is visible in all extension activities.</li> <li>Cordial rapport is maintained among the principal, parents, teachers, non-teaching staff and the students.</li> <li>Stake holders suggestions are considered to frame the policies.</li> </ul>   |

- 9 -

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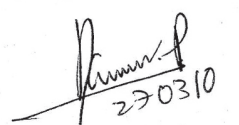
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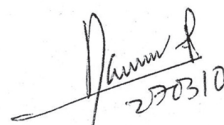
| Section III: OVERALL ANALYSIS    |   |
|----------------------------------|---|
| 3.1 Institutional Strengths:     | <ul style="list-style-type: none"> <li>The college provides opportunity for higher education to the rural student particularly in girls</li> <li>Very good co-ordination between management, Principal, teaching faculty and non-teaching staff.</li> <li>The faculty members are very active in teaching, research and extension activities (15 Ph.Ds, 7 M Phils, 40 research papers and books)</li> <li>Adequate infrastructure and are optimally utilised</li> <li>Stakeholders and parents are actively involved for development of College.</li> <li>The college is very strong in the promotion of cultural activities games and sports.</li> </ul> |
| 3.2 Institutional Weaknesses:    | <ul style="list-style-type: none"> <li>The use of more ICT in teaching learning process.</li> <li>Linkages with industries and research institution.</li> <li>Lack of inter multi disciplinary teaching method</li> <li>Inability to introduce new innovative courses due to policy constraints</li> <li>Students belonging to economically weaker sections of the society</li> </ul>   |
| 3.3 Institutional Opportunities: | <ul style="list-style-type: none"> <li>Large scope for expanding its academic activities by introducing new programmes and job oriented courses</li> <li>Large scope to introduce more nos. of PG courses and research centers</li> <li>Scope to introduce ICT enabled programmes</li> <li>Welfare schemes for faculty and non-teaching staff by the management.</li> <li>Collaboration with NGO's and encouragement to faculties for Research based initiatives.</li> </ul>  |

- 10 -

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|   |  |
|---|--|
| 3.4. Institutional Challenges:  | <ul style="list-style-type: none"> <li>• Interdisciplinary research activities</li> <li>• Use of modern educational technology in teaching and learning</li> <li>• Establishing linkages with industry and institutions</li> <li>• Opportunities to introduce job oriented courses</li> <li>• To develop need based courses.</li> <li>• To develop future plan for modern facilities.</li> </ul> |
| <p align="center"><b>Section IV: Recommendations for Quality Enhancement of the Institution</b><br/> (Please limit to <b>ten major</b> ones and use telegraphic language)<br/> (It is not necessary to indicate all the ten bullets)</p>  |  |
| <ul style="list-style-type: none"> <li>• PG programmens may be started in Physics, chemistry, history, hindi and Malayalam</li> <li>• Programmes like BBA, MBA and B Sc Computer science may be planned</li> <li>• Science departments are advised to avail research grants from DST, FIST, CSIR, UGC New Delhi</li> <li>• Teachers may be encouraged to undertake research thrust Major and Minor research project</li> <li>• A certificate courses in dance and culture may be planed in the department of Malayalam</li> <li>• Teachers are advised to use of ICT be enhanced in teaching &amp; learning processes.</li> <li>• Course on translation may be planed by the department of hindi and Malayalam</li> <li>• A course on journalism may be planned</li> <li>• ICT enabled courses may be started in the departments of commerce, economics, physics, chemistry.</li> <li>• Priority may be given to the collaboration with national research institution.</li> <li>• Office may be fully computerized.</li> <li>• More faculties may involve in research and extension activities.</li> <li>• Good play ground with sports and Indore games facilities be developed.</li> <li>•</li> </ul> |  |



- Efforts may be initiated to fill up the vacant positions of teaching and non-teaching staff.
- Alumni association be further strengthened.
- Further strengthening of career guidance and counseling cells

I agree with the Observations of the Peer Team as mentioned in this report.



Seal of the Institution

Signature of the Head of the Institution  
*P. Muralaeeharan*  
**P. Muralaeeharan**  
 Principal  
**P. R. N. S. S. COLLEGE,**  
**MATTANUR.**

Signatures of the Peer Team Members:

| Name                | Designation          | Signature with date             |
|---------------------|----------------------|---------------------------------|
| Prof.P.Ramaiah      | Chairman             | <i>[Signature]</i><br>27/03/10  |
| Dr.Prakash D.Patil  | Member Co-ordinator  | <i>[Signature]</i><br>27.0.3/10 |
| Prof.H.Y.Kamble     | Member               | <i>[Signature]</i><br>27/3/10   |
| Dr. Jagannath Patil | Deputy Adviser, NAAC |                                 |