



Dr. M. Abdul Salam
Vice Chancellor

UNIVERSITY OF CALICUT

From the desk of the Vice Chancellor

Established in the year 1968, the University of Calicut is the largest institution of higher learning in Kerala in terms of jurisdiction and student intake. There are currently 35 Teaching departments, 389 affiliated colleges, 11 chairs and 38 self-financing centres under the varsity. The University caters to the educational requirements of the Malabar region, consisting of some of the most backward districts of the state. The courses offered by the University are specially designed to suit the ethos and requirements of the region.

The University's mission is to play a positive role in the development of the region through the cultivation of scientific temperament and promotion of humanistic values. By equipping the younger generation with proper academic knowledge and vocational skills, it aims to play the role of a catalyst in the socio-cultural development of the region. It prides itself in having made rapid strides towards achieving these aims in the last few decades. As the present Principal, Academic and Executive officer of this premier institution, it gives me immense pleasure to present the significant contributions made by our University in the last five years.

In the latest QS World university Ranking 2015, University of Calicut is placed at 101th position among the 5700 Universities among the BRICS nations (Brazil, Russia, India, China and South Africa) and 7th among the 719 Universities in India. During 2014, BBC ranked University of Calicut as 4th most Google Searched University in the world. As per India Today ranking, it has emerged from 46th position in 2012 to 26th in 2013 and 23rd in 2014 in the nation. The University of Calicut was accredited with three star rating in 2002 and re-accredited with B Grade (CGPA 2.94) rating in 2010.

The major initiatives of the university during the last five years:

- First university in Kerala that implemented e-Governance (Digital Document Filing System- DDFS).
- First University in Kerala with a Wi-Fi campus.
- First University in Kerala that utilised Solar Energy to meet its power necessity.
- The first University in Kerala with an approved Plagiarism Policy.
- First University in Kerala that has implemented Right to Service Act.
- Admission for UG and PG through single window system.
- Introduction of School System.

- Introduction of Choice Based Credit Semester System.
- Formation of Directorate of Research for research support services.
- Strengthening of Sports facilities.
- Curriculum revision for UG and PG.
- Strengthening of physical and IT infrastructure especially acquisition of scientific equipments to enhance the teaching-learning experience.
- 143 new colleges, 53 new research centres and 73 new academic programmes added to the university during the past four years.
- Instituted awards like Best Researcher Award, Best Research Paper Award, Sadguna Award etc. to promote academic excellence.
- RUSA - towards augmenting research and development, University secured Rs.20 crores during the XII Plan from RUSA.
- University bagged e-Governance Award from the Government of Kerala.

The various innovations and best practices mentioned in this reaccreditation report bear testimony to the organized, transparent and collaborative functioning of the University. It gives me immense pleasure to submit the Re-accreditation Report to National Assessment and Accreditation Council, Bengaluru.



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EXECUTIVE SUMMARY

Established in the year 1968, the University of Calicut is the largest institution of higher learning in Kerala in terms of jurisdiction and student intake. There are currently 31 teaching departments, 389 affiliated colleges, 11 chairs and 38 self-financing centres under the varsity. The University caters to the educational requirements of the Malabar region, consisting of the most backward districts of the state. The courses offered by the University are specially designed to suit the ethos and requirements of the region.

The University's mission is to play a positive role in the development of the region through the cultivation of scientific temperament and promotion of humanistic values. By equipping the younger generation with proper academic knowledge and vocational skills, it aims to play the role of a catalyst in the socio-cultural development of the region. It prides itself in having made rapid strides towards achieving these aims in the last few decades.

In order to keep the syllabi up to date and address the needs of the rapidly changing job scenario the University periodically reviews the structure and content of the courses. This is taken care of by 113 Boards of Studies functioning under 13 Faculties. In order to systematize the learning and evaluation process the University introduced Choice Based Credit Semester System (CCSS) in the year 2008.

The University has state of the art buildings and other infrastructural facilities. In the past few years a heavy investment was made in these areas to improve the facilities available to the students. The examination system has been streamlined and a fool-proof mechanism is now in place for the efficient conduct of the exams and prompts publication of results. The introduction of online verification system has facilitated rapid verification of marks and certificates, benefitting a large number of graduates and employers.

New programmes targeting the emerging job market have been introduced in a number of colleges. The 38 self-financing institutions play a pivotal role in this area by introducing job-oriented courses at affordable costs. These courses of various durations range from gemmology to umbrella making. Flexibility of timing and range of optional both under the CCSS and Distance Education schemes help students choose courses that suit their tastes and aptitudes.

The newly introduced feedback system provides students with a forum to voice their complaints and suggestions about various courses. Similarly, promotion of web-based learning affords them greater flexibility of timing and mobility.

Curricular Aspects

Curriculum design and development is the responsibility of the Boards of Studies primarily. The University has a total of 113 Boards of Studies presently. The Boards of Studies function under 13 Faculties and the Faculties report to the Academic Council. The Academic Council is the highest authority formulating rules and regulations regarding course structure, curriculum and syllabus.

UG and PG programmes, research programmes and other extension activities are designed in accordance with the vision and mission of the University. UG programmes are offered based on the

need of the society and with highly flexible choices of selection including conventional courses, vocational programmes and professional programmes. PG programmes have been designed to suit both basic and applied studies in the classical, emerging and applied areas of knowledge. Research programmes focus both on basic and applied aspects so as to address the challenges of the changing world. With a view to fulfilling its broad academic objectives and meeting the demands of the time, the University introduced CCSS at PG level in University departments, CUCSS at PG level in affiliated colleges and CBCSS at UG level in affiliated colleges. With the implementation of CCSS all departments offer core and elective courses in which the students can opt for electives from either their own department or allied departments. The University offers self-financing programmes through its 38 self-financing centres offering 52 courses. The courses are of applied nature, catering to the needs of the students of the locality and the courses are run on no-profit no-loss basis. Inter disciplinary programmes like M. Tech. in Nanoscience and Technology and programmes in emerging areas like Diploma in Hotel Management, Diploma in Gemmology, Diploma in Interior Design & Visualization, Diploma in Multimedia & Animation, Certificate in Laptop and Desktop Engineering, Bachelor of Interior Design, Bachelor of Multimedia and Communication, Bachelor of Graphic Design and Animation, B.Sc. Counseling Psychology, B.Sc. Printing Technology, PG Diploma in Foreign Trade, PG Diploma in TV Programme Production, PG Diploma in TV News Presentation and Anchoring, PG Diploma in Web Technology and PG Diploma in Multimedia are being offered by the University. There are 26 Skill development programmes under the Department of Life Long Learning to equip the local youth to develop entrepreneurship.

While formulating new scheme and syllabus of the existing programmes, the following criteria are given due weightage: Number of students who receive placement after the completion of the programme; number of students who are successful in the national/state level competitive examinations such as NET, UGC-CSIR, SET etc.; number of students who opt for higher studies after M.Sc./M.Phil programme; the feedback from the institutions which are actively collaborating with the programmes; the feedback from the alumni who are employed in the reputed organizations of the same domain.

Teaching-Learning and Evaluation

The University of Calicut is one of the prime destinations of higher learning in Kerala. In keeping with its stature and reputation, the University receives thousands of applications to various courses run by its departments and affiliated colleges. The University has taken a host of steps in order to streamline the admission process and ensure transparency. The Single Window System launched in 2013, and the Directorate of Admissions (DoA) set up in 2014, were major initiatives towards achieving this. The Centralised Admission Process (CAP) monitored by the DoA offers the facility for online submission of application for various UG and PG courses in colleges affiliated to the University. Under this system the candidates need to make only a single application for courses run by various colleges.

While admissions to conventional PG courses in the University are made on the basis of marks secured in the qualifying exams, new generation courses and research degrees like M. Phil. and Ph.D. rely on a combination of marks in the qualifying exams and scores in the entrance tests/ interviews conducted by the University. Reservation norms set by the government of Kerala are strictly adhered to in order to ensure proper representation of the underprivileged and the socially backward sections of the society. The Institute of Tribal Studies and Research (ITSR) established in Wayanad marks a major milestone in this direction. Besides sticking to reservations for differently-

abled students as per government norms, the University has taken many initiatives to ensure their welfare on the campus. This includes the installation of ramps and railings in various buildings and the launching of special software for visually challenged in the Central Library. In order to empower economically weaker sections belonging to forward castes the University has set apart 7% of the seats for BPL students. The launching of schemes like ‘Earn While You Learn’ and ‘ASAP’- (Additional Skills Acquisition Programme) at the University were introduced to provide such students with financial assistance. The University departments have also been taking special care to address the needs of slow learners and underachievers by running a host of remedial courses and supplementary lectures. In order to encourage meritorious students internships are provided in leading scientific and technological institutions under the Aspire scheme launched by the Government of Kerala. Scholarships provided by the UGC, research institutes and other governmental agencies too are channelized by the University to promote excellence among students.

The EMMRC at the University has been producing various e-contents and other electronic material based on the syllabi for the past few years. The University-based EMMRC now ranks among the best five centres in the country in the production of e-contents. The EMMRC webcasts and programmes accessible online are an immense boon to students and learners across the country. The CCSS, introduced in 2008, and the implementation of the Academic Calendar have largely eliminated the problems of overlapping semesters and clashing schedules. The reforms at the Pareeksha Bhavan, the central office dealing with matters related to the examinations, have similarly helped us in doing away with delays in the publication of results and issue of mark lists. Thanks to the digitization of the Pareeksha Bhavan students can now apply for exams and access their results online. Provisions are also in place for downloading certificates online. These steps have greatly benefited the student community and the large group of Calicut graduates working abroad. The feedback system now followed at the University helps students give their inputs on the content and conduct of courses. It also helps teachers in modifying the course modules and modes of teaching. Courses are now designed and taught in a way to optimize the goals envisioned in the learning outcome. This helps both teachers and students to fine-tune their teaching/learning strategies keeping in view the desired outcomes. A renewed emphasis on presentation and interactive skills is one of the main features of the new curriculum followed at the University. Seminar cum presentation sessions and online interaction of students with faculty members are promoted to bolster students’ multiple skills.

In case of complaints, the students have the option of approaching the Grievance Cell constituted under the CCSS or the Department Council which are authorized to look into such matters. However, the quantum of grievances has been minimized because of the reforms implemented in the past few years.

Research, Consultancy and Extension

The University is known for its efforts for achieving excellence in research, consultancy and extension. The social science departments work to link activities with villages while the science departments work towards development of new knowledge and its dissemination to the society. Directorates have been set up for Research and Consultancy Services in the University. Research activities are undertaken through its 140 approved Research Centres (37 University Department Centres and 103 other approved research centres) with 437 research guides, spread over South India. The questions of access and quality are being addressed by global community with regard to education. The research policy of Calicut University has duly emphasized these two crucial goals

and policies have been designed and implemented. Quality, probably, will be the most debated issue vital to the relevance of research activities. Vice Chancellor's Medals for Best Research Paper and Best Thesis are awarded annually, for Science and Humanities separately. Research projects are promoted through one time sanction, simplification of procedures, autonomy to the Principal Investigator/ Coordinator for utilising overhead charges, timely release of grants, timely auditing, submission of utilisation certificate to the funding agencies and providing seed money for facilitating submission of new research projects. School system has been introduced to promote interdisciplinary research programmes. The University has earmarked Rupees 1.2 crores for University Research Fellowships.

The College Development Council assists affiliated colleges to procure grants and other assistance from UGC. CDC undertakes the monitoring of the utilization of these grants. The funds received from UGC are aimed at infrastructure development as well as promoting research in affiliated colleges. Research guides and scholars from affiliated colleges and institutes are given orientation programmes for promotion of research and mobilizing funds from funding agencies.

215 University Research Fellowships and 235 externally funded Research Fellowships were awarded in 2014-15. A separate Directorate (DoR) has been constituted exclusively for promoting Research. Interdisciplinary Research has been promoted to meet the needs of researchers in emerging disciplines.

Forty International/National Seminars were conducted in the last four years in the University. All the major departments have been recognized for research activities by national/international agencies such as UGC, DST and DBT. 43 major research projects have been completed during the period and 36 are ongoing. Calicut University Botanical Garden (CUBG) has developed into an excellent centre of biodiversity and *ex situ* conservation of tropical Indian flora and exotic species. A new CIF is being set up in the University to accommodate sophisticated instruments that are useful to all science departments. MoU is being signed with reputed Research Institutes to make the facilities available to our researchers. The USIC with four sections – Computer, Electronics, Mechanical and Automobile – caters to the servicing and maintenance of all types of instruments and equipment being used in various departments and offices, up keeping of campus networking and providing technical support and training to the faculties, non-teaching staff and students. Repair and maintenance of all vehicles in the central pool are done by the centre.

Separate research hostel has been established. Free Wi-Fi is available in the hostels. Accommodation is provided to visiting scientists in the University guest house. University library has been recognized as a centre with rare collection of books both classical and contemporary. Facilities for external students are available in science laboratories. The Calicut University Herbarium (CALI) is an internationally recognized reference centre for plant specimens. Botanical garden is being used by researchers as an *ex situ* reference collection. Inter-University Centre for Plant Biotechnology is being used for research purposes by research scholars across the state. 11 research Journals/Magazines come out from the University regularly. Several teachers serve on the editorial boards of national and international journals. 76 Ph.Ds have been produced by the University during the last four years. An effective policy for prevention of plagiarism has been implemented. Best researcher award and Best research paper award have been instituted.

The Department of Arabic offers consultancy to Airport Authority of India. Department of Botany shares knowledge regarding the biodiversity of Calicut University Botanical Garden (CUBG)

and carries out identification of plants by referring the large collection of herbarium specimens available at the Calicut University Herbarium (CALI). Chemistry Department organizes chemistry exhibitions occasionally in the Department and outside the campus in association with different agencies. Faculty of Commerce Department act as service providers of various consumer satisfaction surveys. The Department of Education offers consultancy service to SIEMAT, SCERT, DIET and KSHEC. Department of Statistics offers consultancy services by giving advice/guidance in handling Statistical/Mathematical Software. Zoology Department has given training to coconut farmers to set up parasite breeding facilities to culture and release parasitoids to control coconut pests and insect identification services are provided to students of colleges and various institutes. Manuscript repository of Malayalam Department offers facility to deposit manuscripts and facilities for manuscript based research. Manuscript library provides reference and research facilities on manuscripts. Department of Psychology extends free consultation for BPL citizens and Government Organizations. Directorate of Consultancy is functioning in the University to collaborate with industries for such activities.

The expertise of the faculty of the University is publicized through the website. UGC – NET coaching, workshop oriented preparation for Master’s Research, field visit to educational institutions, value development programmes, visit to old age homes, destitute homes and institutions for challenged groups, visit to environmentally sensitive places, etc. are other extension activities. The University organizes special workshops to disseminate value system for the benefit of students and staff. University has introduced SADGUNA award recently to honour the best student in colleges and campus departments based on a fair assessment on the overall performance of the individual beyond academic merit. The Departments maintain effective networking and collaboration with several institutes and organizations so as to promote interdisciplinary approaches in teaching and research.

Infrastructure and Learning Resources

The University is well endowed with basic infrastructure facilities like land, power and water supply, transport etc. to run the academic programmes effectively and efficiently. University ensures optimal utilization of the facilities by making it available to all departments. There are several such facilities being made use by different departments like Central Instrumentation Facility, Seminar Complex, Museum, Botanical Garden etc. to name a few. The Central Instrumentation Facility (CIF) founded recently, proposes to make effective utilization of high cost equipment among various science departments. A common seminar complex makes provision to all the teaching and non teaching departments to conduct conferences, seminars, symposia, workshops, etc. A Student Web Centre at the Tagore Niketan is another central initiative to meet the requirements of the students in connection with web computing. Another common facility is a Staff Training Centre which is equipped with adequate computer systems and related peripherals for imparting training to various categories of University staff. The Botanical Garden and Ginger Garden with rare plants and spices collection situated in the University campus is an attraction not only for the botanists but general public also. A new initiative has begun to tap solar energy so as to be self sufficient in generating power for the use of the campus. The Central Library of the University and Department libraries play a vital role in the academic activities of the University. The University strives to be the first digital University in the state and it has introduced application of computers in all its business including academic and administrative activities. The Wi-Fi enabled campus provides seamless access to the internet and the campus wide intranet that helps students, researchers, faculty members,

administrators and non-teaching staff to stay connected all the time to carry out their academic and administrative work.

Student Support and Progression

University of Calicut has a very good student support and mentoring system which is followed in the teaching departments in the University Campus and affiliated colleges. The Department of Students' Welfare (DSW) undertakes various activities for the welfare of students such as Adjudication of Students' grievances, University level anti-ragging monitoring, anti ragging awareness programmes, election to the University Union and Departmental Students' Union, redressal of election grievances, University Union activities, work related to the Association of Indian Universities, work related to the Inter University festivals - South Zone and National, awarding grace marks for arts and literary competitions, providing medical aid to students, Students' council activities, activities related to Syndicate/Senate meetings, conducting seminars, Workshops and Orientation Courses, selection of students from affiliated colleges for various programmes, looking after foreign Students' affairs, works related to Indian Council for Cultural Relations (ICCR) and work related to various Scholarships.

The University has a vibrant Employment Information and Guidance Bureau which provides Educational and Career Guidance to the students and other job aspirants. The service of an Employment Officer (Deputy Chief) is available in the campus itself. They conduct individual and group guidance and counselling for the empowerment of students with various challenges. University provides multiple avenues to the students in getting placement for the benefit of the students in the campus as well as affiliated colleges. University has started a Placement Cell (2010) with a dedicated office and placement co-coordinator which organises placement activities in the campus. The Placement Cell of the University is entrusted with the responsibility of serving both the job seekers and job givers. The Placement Cell will also offer awareness and competence building programmes for the job seekers. It will also help for changes in curricula and pedagogy on campuses based on the feedback from and the demands of the industrial and service sectors.

A large number of foreign students are approaching the University every year for admission to various courses including Ph.D programmes. Students, on a special scholarship scheme of the Central Government and ICCR, were admitted to various degree and PG courses in the affiliated colleges and University departments. Separate hostel facility is available for foreign students in the campus.

Minority Coaching Centre and Department of Lifelong Learning and Extension arrange various programmes for the public and needy people. A few teaching departments in the campus organize coaching classes for regular students for competitive examinations like CSIR/UGC/NET. Alumni association conducts academic and socioeconomic programmes independently and in collaboration with concerned departments. Departments also have separate alumni associations that organize programmes for the students of the departments.

Additional academic support and academic flexibility in examinations are provided to participants in sports and games. Special examinations are conducted for them. Condonation of shortage of attendance is also provided to such students in genuine cases. Grace marks are awarded to all eligible candidates. Separate seats are reserved for admission under sports quota. Mess is provided based on special dietary requirements.

The University also publishes Academic Calendar to enable the students to plan the activities well in advance. Student Adalaths are conducted in the Pareeksha Bhavan occasionally to identify and rectify grievances.

Anti-ragging committees are formed in every Department as per the guidelines of the University. Organized with a target of saying a ‘Big No’ to ragging in our campuses, the ULARMC has conducted various anti-ragging campaigns in the campus and has actively participated in the anti ragging activities at the district level and state level cells.

The statutory Board for Adjudication of Students’ Grievances with the Vice-Chancellor as the Chairperson has been functioning very effectively. There is a statutory Departmental Students Union where president is a teacher with student chairman, secretary, joint secretary, general captain, fine arts convener, magazine editor and an executive committee. The University provides funds for its functioning from the fees collected for the purpose. Every year the DSU organizes various literary and cultural programmes for the students of the departments in the campus.

Governance, Leadership and Management

University of Calicut is functioning with the motto of developing a modern residential University with a brand name, taking full advantage of latest technology and ensuring equal opportunities for access to quality education. The University offers academic programmes in the University teaching departments covering broad areas of Sciences, Humanities, Social Sciences and professional courses spread over nine Schools of Studies. Another important aim of the University is to create an environment for quality academics by providing necessary infrastructure and support to teachers, students and employees.

The University also offers course curricula on Choice-Based Credit System for post graduate courses, offering new courses and bringing in need based programmes without having to open new departments for each course. University aims to develop modern ICT based campus integrating administration, academics, library, examination and finance using campus wide data-voice network, e-governance, links with other Universities and a state-of-the-art website. In addition to this, there are provisions for community outreach programmes of short-term courses for the local community on areas of their concern including training for specialized requirements.

It also aims to develop the University with an inclusive character having global orientation yet ambassador of local ethos and aspirations. The major achievements of the University for the last five years are:

- ◀ First University in Kerala with fully Digital Document Filing System (DDFS)
- ◀ The First University in Kerala with a written Plagiarism Policy
- ◀ The first University in Kerala with a Wi-Fi campus
- ◀ BRICS Ranking- Out of 200 top universities listed from BRICS countries having more than 5700 universities, University of Calicut placed at 101st rank, and out of 31 Higher Education Institutions in India 21 are Universities and of them University of Calicut is at 7th position.
- ◀ University bagged e-Governance Award from the Government of Kerala.
- ◀ Instituted Green Campus Award for encouraging the development of green campus.

- ◀ Instituted Sadguna Award for the best student in every affiliated colleges and University teaching departments.
- ◀ Instituted Sadguru Award for Best teacher in the University.
- ◀ Instituted Swacch Campus Award for the cleanest college and Department.
- ◀ 143 new colleges added to the University during the past four years.
- ◀ 73 new academic programmes added in a span of four years.
- ◀ 53 new research centres sanctioned in four years.
- ◀ First University in Kerala that has implemented Right to Service Act.
- ◀ RUSA – towards augmenting research and development, University secured Rs.20 crores during the XII Plan from RUSA.

Innovations and Best Practices

The University conducts Green Audit for its campus and insists on such activities in affiliated colleges. Green audit for the campus is being carried out annually and on occasions prior to implementation of any developmental project, on a defined protocol. Efforts of tree planting in fallow lands, establishment of water harvesting structures for water management, installation of biogas plants for waste management etc. are outcomes of such audits/assessments undertaken by the University periodically. The Campus Landscaping Unit, Estate Office, National Service Scheme and Green Brigade implement these activities mainly. Biodiverse mix tree species have been planted in the campus on a significant scale. A Butterfly Park has been set up in the campus. Recently a Bamboosetum has been set up to conserve the germplasm of bamboos.

As a part of the extension activities of the University, Agri-food flower fest is being conducted every year to provide information and materials on agriculture, floriculture and good food practices to the public. One student- one tree project of the Central Government has been implemented in the University successfully. Best Green Awards are distributed every year to affiliated colleges to promote environment and conservation awareness.

New practices to conserve energy and to use renewable energy have been adopted. Efforts have been undertaken to use solar energy in the campus and thereby to reduce conventional power consumption. Due to the seasonal nature of rains, the summers in this area are very dry. 3000 Water conservation pits have been made at several parts of the campus. Five check dams and three ponds have been constructed to conserve water.

Efforts for Carbon neutrality and reduction of the use of paper are in progress. Implementation of e-governance in the University is one among the novel means to promote carbon neutrality. Digital Document Filing System has been implemented in the campus completely.

To make the campus pollution free, all the vehicles have been made nonpolluting. Bicycles were issued to the students free of cost. The stakeholders were mainly hostel dwellers of the campus. There is heavy restriction on plastic and other polymeric materials for advertisements in the campus.

The University has implemented e-waste management as per government directives. Effective implementation of such programme has been accomplished in the University through a centralized process, monitored by the University Science Instrumentation Centre (USIC). The campus is declared 'Tobacco free campus' in the year 2009.

Waste disposal bins are kept in all departments as well as in open areas of the campus for the collection of biodegradable solid wastes. Such materials are either subjected to composting in large tanks or incinerated. The University follows the REDUSE policy towards non-biodegradable waste materials. The liquid wastes generated are made to settle in stabilization tanks and are used for irrigation.

Ex situ conservation of plant diversity is a major mandate of the University. Established in 1971 in the lush green panoramic, undulating, lateritic hummocky land of the University Campus, the Calicut University Botanical Garden (CUBG) has developed into an excellent centre of biodiversity and ex situ conservation of tropical Indian flora and exotic species. In 1985 the CUBG has achieved international status when it was recognized by the International Consortium of Botanic Garden and Centre for World Conservation Strategy. The garden sprawls over 19.5 ha with a shallow basin encompassed by the slopping terrains except a narrow gap on the southern side where it slides down to a small transitory reservoir, providing diverse habitat and niche for a variety of plants. Ex situ conservation of the Rare, Endangered and Threatened (RET) plants of South India is the major thrust area of the garden.

The University Park situated in the heartland of the University is splendid with aesthetically designed lawns, trees and ornamental plants. It functions as a recreation area for the campus community and local people equally.

The University has progressed considerably in the use of technology. All University departments have computing centres for students and scholars specific to their needs. Sophisticated students' computer labs have been provided for multi-purpose uses such as online language skill, computer skill, soft skill and for personality development. In addition, the University network enables access to all online journals and research articles subscribed by the University as well as from national institutions through the respective libraries. A close user group mail service is put in action for the faculty, employees, researchers and students.

The University website set up in 1997 provides all the information on the functioning of the University. With the advent of mobile phones the University has started to use SMS for various purposes. This has proved to be very effective and highly personalized way of delivering information, while effecting considerable savings on stationery. In addition to saving labour, stationery and postage costs, this is a meaningful step towards conserving resources. The University has taken up digital archiving in a massive way especially in the manuscript library, Examination wing, library and herbarium.

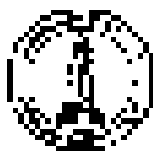
Online single-window system has been established for PG and UG admissions. Document verification portal has been opened. CCTV's are installed at all major points to ensure security on campus. The system is interconnected by OFC networking system with observation point at security officer's desk. Video is recorded for future reference. All administrative and academic departments in the University are interconnected by OFC with data, Internet and video channels. Biometric punching has been introduced for the staff and research scholars of the University to ensure transparency and punctuality in attendance. E-grants system has been developed for the processing of grant/fellowship applications of SC and ST students and the system has made the entire process easy and student friendly.

EMMRC of the University has launched webcast of educational programmes. The webcast programmes can be viewed globally through <http://www.emmrccalicut.org/live.php>. EMMRC has

successfully completed the first phase of e-content production on the subjects Mathematics and Education based on UG syllabus.

The two Best Practices that can be highlighted for the assessment period are introduction of e-governance in all the branches and departments of the University and complete automation of the student centred activities of the University. These have helped the University to transform it in to an efficient organization equipped to serve the student community better.





UNIVERSITY OF CALICUT
Calicut University P.O., Malappuram District, Kerala 673635

Profile of the University

1. Name and Address of the University

Name:	UNIVERSITY OF CALICUT	
Address:	Calicut University P.O., Malappuram District	
City:	Malappuram, Pin: 673635	State: Kerala
Website:	www.universityofcalicut.info	

2. For communication:

Designation	Name	Telephone With STD Code	Mobile	Fax	E-mail
Vice Chancellor	Dr.M.Abdul Salam	O: 0494-2407102 R: 0494-2402000	9400007800	0494-2400361	vc@uoc.ac.in
Pro-Vice- Chancellor	Prof. Raveendranath K.	O: 0494-2400361 R: 0494-2400222	9400007900	0494-2400361	pvc@uoc.ac.in
Registrar	Dr.Abdul Majeed T.A.	O: 0494-2400252 R: 0494-2402222	9446254092	0494-2400269	reg@uoc.ac.in
Steering Committee/ IQAC Co- ordinator	Dr.M.Sabu	O: 0494-2407406 R: 0495-2431545	9447636333	0494-2400269	diriqac@uoc.ac.in

3. Status of the University:

- State University
- State Private University
- Central University
- University under Section 3 of UGC (Deemed University)
- Institution of National Importance
- Any other

4. Type of University:

- Unitary
- Affiliating

5. Source of funding:

- Central Government
- State Government
- Self-financing
- Any other

6. a. Date of establishment of the University: 23/07/1968

b. Prior to the establishment of the University, was it a/an

- i. PG Centre Yes No
- ii. Affiliated College Yes No
- iii. Constituent College Yes No
- iv. Autonomous College Yes No
- v. Any other Yes No

7. Date of recognition as a University by UGC or any other national agency:

Under Section	dd	mm	yyyy	Remarks
i. 2f of UGC*	22	07	1969	University of Calicut is a State University established by an act of the State Legislature of Kerala as a State University and is eligible to award degrees as specified by the UGC under Section 22 of the UGC Act, 1956. This University is also included in the list of Universities under Section 12-B of the UGC Act, 1956 to be eligible to receive Central assistance
ii. 12B of UGC*	22	07	1969	
iii. 3 of UGC#				
iv. Any other^				

8. Has the University been recognized

a) By UGC as a University with Potential for Excellence?

Yes No

If yes, date of recognition: Not Applicable

b) For its performance by any other governmental agency?

Yes No

If yes, date of recognition: Not Applicable

9. Does the university have off-campus centres?

Yes No

10. Does the university have off-shore campuses?

Yes No

11. Location of the campus and area:

	Location*	Campus area in acres	Built up area in sq.mts.
i. Main campus area	Calicut University Campus (Rural)	526.36	1,351,14
ii. Other campuses in the country	Thrissur Campus (Urban)	19.54	5000
	Vadakara Campus (Rural)	0.83	280
	Lakshadweep Campus (Tribal)	12	1786
	Androth	2	2054
	Kadamat Kavarathi	4	2070
iii. Campuses abroad	NA	NA	NA

(*Urban, Semi-Urban, Rural, Tribal, Hilly Area, Any other (please specify))

12. Provide information on the following: In case of multi-campus University, please provide campus-wise information.

◀ **Auditorium/seminar complex with infrastructural facilities:**

Calicut University Campus

- a) University Auditorium - 500 seats
- b) A/C Conference Hall at Administration Wing – 35 seats
- c) Senate Hall – 150 seats
- d) Seminar Complex Main A/C Hall & Dining Hall - 450 seats
- e) Seminar Complex Side A/C Hall – 50 seats
- f) Seminar A/C Hall at Composite Science Block – 100 seats
- g) Seminar Hall at Tagore Nikethan – 200 seats
- h) Open Air Theatre 200 seats
- i) Department of Botany– 100 seats
- j) Department of Biotechnology – 80 seats
- k) Department of Zoology – 80 seats
- l) Inter University Centre for Plant Biotechnology – 55 seats
- m) Department of Chemistry – 80 seats
- n) Department of Physics – 70 seats
- o) Department of Commerce and Management Studies – 120 seats

Thrissur Centre

- a) Conference Hall at MBA Centre having 75 seats
- b) Conference Hall at Economics Dept having 125 seats

Vadakara Centre

- a) Conference Hall having 80 seats

Lakshadweep Centre

- a) Conference Hall having 75 seats

◀ **Sport facilities:**

- o Sports Pavilion : 1

- o 400 Mts. Track (Synthetic-1 (under construction and Mud-1) : 2
- o Football field (Grass) : 1
- o Cricket field : 1
- o Basketball court – Concrete (outdoor) : 1
- o Volleyball court (outdoor) : 2
- o Handball court : 2
- o Ball Badminton court : 2
- o Tennis court (Mud) : 2
- o Kho-Kho court : 2
- o Kabaddi court : 2
- o Synthetic Indoor Stadium (44 x 25 Mts.) with facilities to play Badminton (3 courts), Basketball, Volleyball, Handball and Table Tennis.
- o Multi purpose Gymnasium (Wooden) 33 x 16Mts.
- o Swimming pool – Under construction
- o Fitness centre for students and staff

◀ **Hostel:**

- o Boys' hostel
 - i. Number of hostels : 4 Blocks
 - ii. Number of inmates : 376
 - iii. Facilities: Basic amenities needed are provided such as:
 - § TV
 - § Newspapers
 - § Wi-Fi
 - § Sports and games facility
 - § Yoga centre
 - § Canteen
 - § Uninterrupted power and water supply
 - § Water cooler
 - § Nature Club
 - § Transport facility from hostel to various departments
- o Girls' hostel
 - i. Number of hostels : 3 Buildings
 - ii. Number of inmates : 1028
 - iii. Facilities: Basic amenities needed are provided such as:
 - § TV (5 Nos.)
 - § Newspapers
 - § Wi-Fi
 - § Sports and games facility
 - § Yoga centre
 - § Mess

- § Uninterrupted power and water supply
- § Water cooler
- § Student store for stationery items
- § Transport facility from hostel to various departments
- o Working Women's hostel
 - i. Number of hostels : 1
 - ii. Number of inmates : 21
 - iii. All basic amenities are available

Details of Hostel facilities

<i>Hostel type (Ladies/ Mens/ Single Officers, Women's, etc.)</i>	<i>Total Capacity (occupancy)</i>	<i>Total Built up Area (Sq. Mts.)</i>
Ladies Hostel-1 (Old block)	1028	1870
Ladies Hostel-1 (New & Research)		5991
Annex and Extension		8393
Mens Hostel (old block)	56	1662
Mens Hostel (New block)	100	2689
Mens Hostel (Research block)	77	1607
Mens Hostel (Annexe)	99	1608
Single Officers Hostel	20 Rooms	630
Working Men's Hostel	12 Rooms	548
Working Women's Hostel	20	532
Teachers Hostel	20 Rooms	1306
Teachers Flat	9 Rooms	1400

◀ Residential facilities for faculty and non-teaching

The University of Calicut provides residential accommodation to Teaching/Non-teaching staff members. Apart from the above, University provides housing loans to staff members.

<i>Type of Quarters (e.g. A,B,C, D,E,F,G,H,I, Flat, etc)</i>	<i>Total Nos.</i>	<i>Total Built up area in Sq. Mts.</i>
1) 'A' Type	2	655
2) 'B' Type	14	3315
3) 'C' Type	28	4900
4) 'D' Type	43	4564
5) 'E' Type	22	2222
6) 'F' Type	3	180
7) 'G' Type	43	2800
8) 'H' Type	114	5643
9) 'J' Type	66	2490
Total	335	26769

◀ **Cafeteria**

Cafeteria is available in the main campus as well as in other campuses of the University. In the main campus in addition to the main canteen there are four cafeterias in various locations of the university to cater to the need of students, staff and visitors.

◀ **Health Centre**

The objective of University Health Centre is to provide health care that is quality oriented and sensitive to the needs of the community. Highly sophisticated **Diagnostic Laboratory** with modern diagnostic equipments is functioning in the Health Centre to ensure community service. It functions on all working days from 09.00 am to 02.00 pm to carry out all kinds of routine diagnostic tests absolutely **free of cost**. Majority of the beneficiaries are the public than staff/student community. A new annex building has been completed and it has resulted in doubling the facilities. Installation of modern digitalized bio-safety X-ray unit is under consideration in association with the Department of Radiation Physics. The number of beneficiaries for the past five years is approximately 5 lakhs. Modernization is with the support of UGC XII Plan.

◀ **Facilities like banking, post office, book shops, etc.**

Nationalized bank with 3 ATM counters with 7 machines are located in the campus. Post office and telephone exchange are available in the campus. Book shop and stationery shops are available for students/staff members.

◀ **Transport facilities to cater to the needs of the students and staff**

There are four buses available to transport students and staff members. In addition, the University has:

◀ **Observatory with sky watch facility: Madhava Observatory**

Features:

The University of Calicut is the only university in the entire south India, to host such a facility. The Observatory contains, a state-of-the-art fully automatic, light weight semi-spherical dome and can handle up to 1m class telescopes. The system has the primary objective of providing necessary training to students and research scholars on handling observatory as well as doing data acquisition and analysis using the telescope and its accessories. It is also possible to conduct research grade observations if weather and seeing conditions permit. The Observatory is having about 10 pcs for carrying out research and simulation analysis in astronomy and space sciences.

Equipment:

The Observatory is equipped with a 14" Meade LX 200 automatic telescope. We also have CCD camera for imaging analysis and Spectrograph for taking spectra of celestial objects, as accessories to the telescope.

Activities:

The present strength of the observatory is in running scientific research and training facility for M.Sc and Ph.D students of the department. We regularly conduct seminars and workshop on data analysis and related techniques in Astronomy and Astrophysics, for the benefit of motivated students and teachers from affiliated colleges. We have active collaboration with premier institutes in the field in India like the Inter University Centre for Astronomy and Astrophysics, Pune and Indian Institute for Astrophysics, Bangalore. Recently we have procured small and portable telescopes for doing night sky watches.

◀ **Guest House Facility.**

Guest House Type	Total Rooms	Total Built up Area (Sq.Mts.)
VIP Guest House	16	1208
Faculty Guest House-1	11	460
Faculty Guest House-2	16	630
ASC Guest House	36	585
Guest House Main Block	4	270
Guest House Old Block	11	638

◀ **University Press- well-equipped off-set Press with built up area of 1208M²**

◀ **University Employees Cooperative Society with built up area of 300M²**

◀ **University Employees Housing Society**

◀ **Facilities for persons with disabilities**

Ramps, Lifts, Computer facility in the Library, Botanical Garden for Visually challenged etc. are available.

◀ **Animal house:**

Available in the Life Science Department. Area: 200 Sq. ft. and about 150 can be grown.

◀ **Power house**

Two numbers

Total capacity: 1500KVA each

Generators: 5 Nos.

Total capacity: 2000KVA

◀ **Solar Lights**

Solar street lights: 57 Nos. of 30 Watts each

Solar powerhouse: 6 modules, 25KW each (2 Nos. in Ladies Hostel, 1 No. in Men's Hostel, 1 Administration Block, 1 Library and 1 in Digital Wing)

◀ **Waste management facility**

Centralized non-mechanized waste clearing system.

13. Number of institutions affiliated to the university:

Type of colleges	Total	Permanent	Temporary
Arts, Science and Commerce	226	Permanent/Provisional affiliation is granted to courses	
Law	7		
Medicine*	0		
Engineering	37		
Education	63		
Management	11		
Others (specify and provide details) Architecture, Arabic & Oriental Title and Physical Education	45		
Total	389		

* Recently all the medical colleges have shifted to Kerala University of Health and Allied Sciences

14. Does the University Act provide for conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University

Yes No Number

15. Furnish the following information:

Particulars	Number	Number of Students
a. University Departments		
Post graduate	35*	
Research centres on the campus	31	1166
b. Constituent colleges	Nil	Nil
c. Affiliated colleges	389	253,481
d. Colleges under 2(f)	2	3,062
e. Colleges under 2(f) and 12B	75	58,125
f. NAAC accredited colleges	36	42,372
g. Colleges with Potential for Excellence (UGC)	2	3,951
h. Autonomous colleges	4	5,910
i. Colleges with Postgraduate Departments	191	186,215
j. Colleges with Research Departments	30	
k. University recognized Research Institutes/Centres	108	
l. Self Financing Centres	37	4,528

*4 Departments in self financing mode started recently

16. Does the university conform to the specification of Degrees as enlisted by the UGC?

Yes No

If the university uses any other nomenclatures, please specify: Not Applicable

17. Academic programmes offered by the university departments at present, under the following categories (Enclose the list of academic programmes offered)

Programmes	Number
UG	1
PG	34
Integrated Masters	1
M.Phil	30
Ph.D	33
Integrated Ph.D	0
Certificate	5
Diploma	2
PG Diploma	6
Total	112

18. Number of working days during the last academic year

19. Number of teaching days during the past four academic years:

(‘Teaching days’ means days on which classes were engaged. Examination days are not to be included)

20. Does the university have a department of Teacher Education?

Yes No

If yes,

a. Year of establishment June 1974

b. NCTE recognition details (if applicable) Notification No. APSO No. 4317

Date: 06/03/2000

c. Is the department opting for assessment and accreditation separately?

Yes No

21. Does the university have a department of Physical Education?

Yes No

If yes,

a. Year of establishment: August 1968

b. NCTE recognition details (if applicable) Notification Applied for registration

c. Is the department opting for assessment and accreditation separately?

Yes No

22. In the case of Private and Deemed Universities, please indicate whether professional programmes are being offered?

Yes No

If yes, please enclose approval/recognition details issued by the statutory body governing the programme.

23. Has the university been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.: No

24. Number of positions in the university

Positions	Teaching faculty			Non-teaching staff	Technical staff
	Professor	Associate Professor	Assistant Professor		
Sanctioned by the UGC/ University/State Government	30	63	138	1767	201
Recruited	13	38	100	1193	120
Yet to recruit	17	25	38	574	81
Number of persons working on contract basis	0	0	23	341	65
Number of other Temporary Staff (including CLR staff)	0	0	41	258	

25. 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.	0	0	0	0	0	0	0
Ph.D.	27	5	39	12	42	11	136
M.Phil.	0	0	0	0	2	2	4
PG	0	0	1	1	1	5	8
Temporary teachers							
Ph.D.	0	0	0	0	1	0	1
M.Phil.	0	0	0	0	7	2	9
PG	0	0	0	0	38	16	54
Part-time teachers							
Ph.D.	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0

26. Emeritus, Adjunct and Visiting Professors

	Emeritus	Adjunct	Visiting
Number	2	4	0

27. Chairs instituted by the university:

	Chairs
School / Department	1. Chair for Christian Studies and Research 2. EMS Chair for Marxian Studies and Research 3. Chair for Maritime History of South India 4. Chair for Sanathana Dharma Studies & Research 5. Chair for Islamic Studies and Research 6. Chair for Gandhian Studies and Research 7. Vaikom Muhamed Basheer Chair 8. CH Mohamed Koya Chair for Developing Societies 9. Maulana Abdul Kalam Azad Chair 10. Mohamed Abdurahman Chair for Secular Studies 11. Dr. Bhim Rao Ambedkar Chair

28. Students enrolled in the University departments during the current academic year, with the following details:

Students	UG	PG	Inte- grated Masters	M. Phil.	Ph.D.	Inte- grated Ph.D.	D.Litt/ D.Sc.	Certifi- cate	Diploma	PG Dipl- oma
	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F
From the State Where The university is located	15M	342 M 678 F	7M 18F	33 M 98 F	157 M 273 F			30 M 2 F	11 M	11 M 17 F

From other states of India		9 M 10 F			1M					
NRI students										
Foreign students		14 M			1F					
Total	15M 15	365M 688F 1053	7M 18F 25	33M 98F 131	158 M 274F 432			30M 2F 32	11M 11	11M 17 F 28

*M – Male *F - Female

29. 'Unit cost' of education

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

- including the salary component = Rs. 479,188.00
- excluding the salary component = Rs. 81,815.00

30. Academic Staff College

- ◀ Year of establishment: 1987
- ◀ Number of programmes conducted (with duration) during the past five years:

Sl.No.	Programme	Conducted	Duration
1.	UGC sponsored Orientation Programmes	28	28 days
2.	UGC sponsored Refresher Courses	45	21 days
3.	UGC sponsored Short-term Courses	20	7 days
4.	UGC sponsored Summer / Winter Schools	4	21 days
5.	UGC sponsored National Workshop for Ph.D. Research Scholars	2	21 days

- ◀ How many faculty underwent Staff Development Programme during the last five years:

Academic Staff Development Programmes	Number of Faculty
Orientation Programme	1090
Refresher Courses	1308
Short-term Courses	835
Summer/Winter Schools / Workshops Etc.	416

31. Does the university offer Distance Education Programmes (DEP)?

Yes No

If yes, indicate the number of programmes offered: UG – 27, PG – 20

Are they recognized by the Distance Education Council? Yes

Total No of Programmes offered : 47 (Continuation of provisional recognition has been granted to the courses offered by School of Distance Education (SDE) till such time the

committee visit the University and submits its recommendations and a decision is taken by the Joint Committee on the same vide Lr.F.No.DEC/2009/4877 dated 17.12.2009. Vide Letter F.No.UGC/DEB/UC/MAL/KRL/ 2014/5149 dated 7.3.2014 it is informed that since UGC is in the process of finalising regulations on ODL the proposal for recognition will be examined after that.)

32. Does university have a provision for external registration of students?

Yes No

If yes, how many students avail of this provision annually?

33. Is the university applying for Accreditation or Re-Assessment? If Accreditation, name the cycle.

Accreditation: Cycle 1 Cycle 2 Cycle 3 Cycle 4

Reassessment

34. Date of accreditation* (Applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: 12/02/2002, Accreditation outcome/Result: THREE STAR

Cycle 2: 28/03/2010, Accreditation outcome/Result: 'B' GRADE (2.94)

35. Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited/affiliated/constituent/autonomous colleges under the university.

Yes. Number of affiliated colleges: 389

Number of autonomous colleges: 4

36. Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).

IQAC formed: 07/06/2007

AQAR (i) 2010-11 submitted on 19/06/2012

(ii) 2011-12 submitted on 06/03/2013

(iii) 2012-13 submitted on 07/05/2014

(iv) 2013-14 submitted on 29/09/2014

All details pertinent to the academic performance and achievements of the University during the accreditation period (2010-2015) are provided in the self study report (SSR).

IQAC Board

1. Dr. M. Abdul Salam, Vice Chancellor and Chairman, IQAC
2. Prof. Raveendranath K., Pro-Vice-Chancellor
3. Dr. Abdul Majeed T.A., Registrar
4. Dr. V.V. George Kutty, Controller of Examinations
5. Dr. M. Sabu, Professor, Botany and Director, IQAC
6. Mr. K.N.A. Khadar, MLA (Representing Local Body)
7. Sri. K.M. Nazeer, Member, Syndicate
8. Dr. T.P. Ahammed, Member, Syndicate
9. Adv. Rajeevan Mallissery, Member, Syndicate

10. Dr. K.P. Muraleedharan, Professor, Commerce and Management
11. Dr. K.V. Mohanan, Professor, Botany
12. Dr. P. Mohanan, Professor, Commerce and Management
13. Dr. T.M. Vasudevan, Dean, Faculty of Humanities
14. Dr. Sakeer Hussain V.P., Director of Physical Education
15. Dr. V.M. Kannan, Professor, Zoology
16. Mr. Damodara Prasad, Director, EMMRC
17. Dr. T.S. Sankaran Nair, Former Director, DRS, Kerala
18. Dr. M.M. Basheer, Retd. Professor, Malayalam, University of Calicut
19. Mr. K.V. Kunhammed Koya, (representing industry)
20. Mr. Ramakrishnan N.S., PA to PVC (representing non-teaching staff)
21. Adv. Aravindan, (representing Alumni)
22. Mr. Prasanth J.P., Dept.of Physics (representing students)
23. Mr. Sajith U., Dept.of Botany (representing students)

Sub Committee Convenors for NAAC Reaccreditation

1. Dr. K.V. Mohanan, Professor, Botany
2. Dr.M. Manoharan, Professor, Statistics
3. Dr.E.K. Satheesh, Associate Professor, Commence & Management Studies
4. Dr.Abdul Azeez, University Librarian
5. Dr.Abraham Joseph, Associate Professor, Chemistry
6. Dr.T.M. Vasudevan, Associate Professor, Library & Information Science
7. Dr.K.Abdul Gafoor, Associate Professor, Education

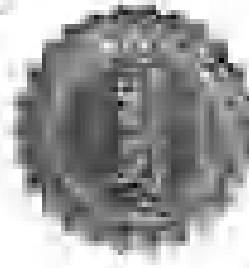


राष्ट्रीय मूल्यांकन एवं प्रमाणन परिषद

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

AN AUTONOMOUS INSTITUTION OF THE GOVERNMENT OF INDIA

For the purpose of Assessment of Higher Secondary Schools, Colleges, Universities, Institutions



Certificate of Accreditation

The Institute/University/College/School/Institution is/are Accredited with the following conditions:

1. The Institute/University/College/School/Institution is/are Accredited with the following conditions:

2. The Institute/University/College/School/Institution is/are Accredited with the following conditions:

(Among the Institutions)

(Signature)

(Signature)

(Signature)

(Signature)

(Signature)



एन एन आर सी
 नॅशनल असेसमेंट एंड अक्रेडिटेशन काउन्सिल
 NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
 1/1, ANANDAPURAM, CHENNAI - 600 029

Certificate of Accreditation

The Governing Committee of this
 Institution has been inspected and
 all the requirements of the applicable
 Programme Standard of the
 Degree of *Engineering*
 have been found to be
 fulfilled.

NAAC Accredited

with an
 'A' Grade

Date of Issue



NAAC
 Director



Statement of Compliance

This is to certify University of Calicut has complied with all the provisions of the following Regulations governing it:

- UGC Regulations on Minimum Qualifications for Appointment of Teachers and other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education 2010 and further amendments, if any, notified by the UGC.
- UGC Regulation on Minimum Standards and Procedure for the Award of M.Phil/ Ph.D Degree, Regulations 2009 and further amendments, if any, notified by the UGC.
- UGC (Affiliation of Colleges by Universities) Regulations, 2012 and further amendments, if any, notified by the UGC.

Any false or misleading information provided by the institution, will be viewed seriously by NAAC and the accreditation given is liable to be withdrawn.



Declaration by the Head of the Institution

I certify that the data included in this 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 this SSR during the peer team visit.



Criterion-I
CURRICULAR ASPECTS

CRITERION I: CURRICULAR ASPECTS

The University of Calicut, established in 1968, an affiliating University with 31 teaching departments, 38 self financing centers, 11 Chairs and 389 affiliated colleges is the largest University in the state of Kerala. Out of the affiliated colleges 4 are autonomous. As a pioneer institution, imparting higher education to the people of the backward areas of Malabar region, the University has designed and developed several academic programmes suited for the general and specific needs of the people of the area. Inclusive education both in the regular and distance modes has been the major tool of the University to achieve this goal. Through constant innovation, quality enhancement and value addition, the University has striven to fulfill its mission and vision.

1.1. Vision and Mission of the University

The foremost mission of the University is to make quality higher education accessible to the economically and educationally backward northern districts of Kerala with its sizable minority and tribal population.

The University aims at providing leadership and guidance to younger generations and disseminating knowledge through the establishment of higher education institutions within its jurisdiction so as to:

- ◀ cultivate the habit of scientific thinking and competence
- ◀ equip the target student community by providing relevant education
- ◀ promote quest for excellence by updating teaching and learning processes
- ◀ serve as a catalyst for the overall economic, social and cultural development of the region

Curriculum design and development is the responsibility of the Boards of Studies primarily. The University has a total of 113 Boards of Studies presently as detailed below. The Boards of Studies function under 13 faculties and the faculties report to the Academic council. The academic council is the highest authority formulating rules and regulations regarding course structure, curriculum and syllabus.

Faculty	UG Boards	PG Boards	Single Boards
1. Faculty of Science	1. Chemistry 2. Zoology 3. Botany 4. Physics 5. Mathematics 6. Statistics 7. Psychology 8. Computer Science & Application	1. Chemistry 2. Zoology 3. Botany 4. Physics 5. Mathematics 6. Statistics 7. Psychology 8. Plantation Science	1. Microbiology 2. Polymer Chemistry 3. Aqua Culture 4. Geology 5. Food Technology 6. Plantation Development 7. Industrial Chemistry 8. Environmental Science & Water Management 9. Printing & Information Technology 10. Biochemistry 11. Physiology 12. Biotechnology 13. Catering Science & Hotel Management 14. Applied Chemistry 15. Instrumentation 16. Plant Science

			<p>17. Home Science 18. Fashion Designing 19. Electronics 20. Genetics 21. Nanoscience & Technology 22. Radiation Physics 23. Geography</p>
2. Faculty of Language & Literature	<p>1. Arabic 2. Hindi 3. Malayalam 4. English 5. Sanskrit 6. Afzal-ul-Ulama</p>	<p>1. Arabic 2. Hindi 3. Malayalam 4. English 5. Sanskrit 6. Afzal-ul-Ulama</p>	<p>1. European Languages 2. Tamil 3. Urdu and Persian 4. Functional English 5. Comparative Literature</p>
3. Faculty of Humanities	<p>1. Economics 2. History 3. Politics 4. Sociology</p>	<p>1. Economics 2. History 3. Politics 4. Sociology</p>	<p>1. Library Science 2. Philosophy 3. Social Work 4. Islamic History 5. Folklore 6. West Asian Studies 7. Travel & Tourism 8. Islamic Studies 9. Women's Studies 10. Islamic Finance</p>
4. Faculty of Commerce & Management Studies	<p>1. Commerce 2. Management Studies</p>	<p>1. Commerce 2. Management Studies</p>	<p>1. Eco-tourism 2. Hotel Management</p>
5. Faculty of Engineering	<p>1. Engineering</p>	<p>1. Engineering</p>	<p>1. Architecture Engineering 2. Computer Science Engineering & Information Technology 3. Civil Engineering 4. Mechanical Engineering 5. Electrical, Electronics & Communication Engineering 6. Chemical Engineering 7. Aeronautical Engineering</p>
6. Faculty of Fine Arts			<p>1. Drama 2. Music</p>
7. Faculty of Ayurveda	<p>1. Ayurveda</p>	<p>1. Ayurveda</p>	
8. Faculty of Law	<p>1. Law</p>	<p>1. Law</p>	
9. Faculty of Homeopathy	<p>1. Homeopathy</p>	<p>1. Homeopathy</p>	

10. Faculty of Education	1. Education 2. Physical Education	1. Education 2. Physical Education 3. Lifelong Learning & Extension	
11. Faculty of Journalism	1. Journalism	1. Journalism	1. Multimedia 2. Audiovisual Communication
12. Faculty of Medicine	1. Medicine	1. Medicine	1. Nursing 2. Medical Laboratory Technology
13. Faculty of Dentistry			1. Dentistry

1.1.1 How is the institutional vision and mission reflected in the academic programmes of the University?

UG and PG Programmes, Research programmes and other extension activities are designed in accordance with the vision and mission of the University. UG programmes are offered based on the need of the society and with highly flexible choices of selection including conventional courses, vocational programmes and professional programmes. The PG programmes have been designed to suit both basic and applied studies in the classical, emerging and applied areas of knowledge so as to ignite values of both philanthropic and practical importance so as to mold the students into well balanced citizens. Research programmes focus both on basic and applied aspects so as to address the challenges of the changing world.

1.1.2 Does the University follow a systematic process in the design and development of the curriculum? If yes, give details of the courses (need assessment, feedback, etc.)

Choice Based Credit Semester System (CCSS): The University of Calicut offers Post Graduate programmes in a variety of disciplines. With a view to fulfilling its broad academic objectives and meeting the demands of the time, the University decided to restructure the regular PG programme conducted by the University Teaching Departments and introduced the CCSS with effect from 2008 admission onwards. We have a set of well defined regulations based on which the CCSS is run smoothly in various teaching departments of the University.

Under the CCSS we had initially a total student strength of about 465, spread across 23 teaching departments in 27 PG programmes. In 2011, the total strength reached 592 in 25 departments for 31 PG programmes. Except for the Departments of Education and Biotechnology, all regular PG programmes of the teaching departments are now under the CCSS.

It is a significant achievement that, despite many odds, the University has made gains on the academic front during the last 4-5 years. The University has seen many academic, infrastructural, administrative and social initiatives. The introduction of CCSS was highly appreciated by the NAAC peer team last time.

We have been able to streamline the functioning of the system including examinations through an effective co-ordination of activities of the participating departments. The overlapping of semesters and the lagging of programmes have become a thing of the past. This major reform was implemented after many discussions and deliberations by the entire academic community of the campus. Certainly this initiative has proved to be a big success. It is remarkable that the Pareeksha Bhavan has adapted so nicely to the reform and facilitated online registration for end-semester examinations, delivery of hall tickets to the Departments online and the

publication of results. The smooth conduct of the examinations and publication of final results instill a lot of confidence in the minds of students and teachers about the reform. The University has worked hard to put these reforms into practice.

1.1.3 How are the following aspects ensured through curriculum design and development?

Employability: Practical and job oriented components have been included. When the curriculum of programmes are designed the aspect of employability is given due consideration. Most of the programmes are job-oriented. Inputs from industry, professionals and policy-makers are considered. Inter-disciplinary topics and discussions are encouraged. Awareness on new trends and methodologies in the field of research has been developed.

Innovation: New courses and programmes have been introduced in order to promote the morale, confidence and aspiration of the students. New methods of teaching have been incorporated. Many departments have included recent developments and innovations in their respective areas.

1.1.4 To what extent does the University use the guidelines of the regulatory body for development and/or restructuring the curricula? Has the University been instrumental in leading any curricular reform which has created a national impact?

Yes. The University has introduced CBCSS at the undergraduate level and CUCSS and CCSS at PG level.

1.1.5. Does the University interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the University benefited through interactions with the stakeholders?

Yes. Interactions at several levels have been made so that the benefits are shared by the students in terms of employability. The University does interact with industry, research bodies and civil society in the process of curriculum revision. There are invited members from industry in many Boards of Studies and the Academic Council.

Moreover, workshops are conducted by different Boards of Studies during the revision process, which helps in filling the gap between the requirement of research institutions/industries/job market and the expertise of the students. In addition, the interactions with alumni provide opportunities to get the right feedback regarding the components to be included in the curriculum for making the students more employable/research oriented. Such interactions also help the departments to formulate collaborative works/research projects/placements.

1.1.6 Give details of how the University facilitates the introduction of new programmes of studies in its affiliated colleges.

The Affiliated colleges have the option of suggesting new programmes of study. The teachers along with other experts prepare a curriculum for the programme and submit the same to the concerned/related Board of Studies. In certain cases the Board would recommend interaction with experts and stake-holders to prepare the curriculum. The Board of Studies, after due deliberations, recommends the curriculum to the concerned, which after discussions recommends the same to be placed before the Academic Council. The Academic Council takes the final decision regarding recommendation of a programme and curriculum. In addition, the Board of Studies can suggest starting of new programmes in colleges.

1.1.7 Does the University encourage its colleges to provide additional skill – oriented programmes relevant to the regional needs? Cite instances (not applicable for unitary Universities).

Many affiliated colleges offer add-on courses with funding from UGC. These are Certificate/Diploma/Advanced Diploma Courses which are certified by the University. The courses offered provide additional skills to students. The University always encourages the colleges to offer such programmes.

1.2 Academic Flexibility

1.2.1 Furnish the inventory for the following:

Programmes taught on Campus: The UG and PG programmes of the University are being offered under the semester system. The system is choice based at both the levels. The University has introduced CCSS in its teaching departments. The system provides flexibility for both the teachers and students. Flexibility is being offered at the level of electives and specializations maintaining the holistic nature of the programmes offered. The details of the programmes offered by the University in its campus and centres are detailed below:

I. School of Language and Literature		
I. UG/ Certificate/ Diploma Programmes		
	<i>Name of the Course</i>	<i>Intake</i>
1. Department of Arabic	Certificate Course in Spoken Arabic	9
	2. Department of Hindi	
	Certificate course in spoken Hindi	1
3. Department of Russian and Comparative Literature	Certificate Course in Russian	22
	Diploma Course in Russian	3

II. PG Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1. Department of Arabic	M.A. Arabic Language and Literature	50
	P.G Diploma in Commerce & Management in Arabic	8
	P.G. Diploma in Translation & Secretarial Practice in Arabic	10
	2. Department of English	
	M.A. English	26
3. Department of Hindi	MA Hindi Literature	30
	MA Functional Hindi and Translation	20
	PG Diploma in Translation and Secretarial Practice	18
	4. Department of Malayalam & Kerala Studies	
	M.A. Malayalam	30
5. Department of Russian and Comparative Literature	MA Comparative Literature	20
	6. Department of Sanskrit	
	M.A. Sanskrit	15

III. M.Phil. Programmes		
	<i>Name of the Course</i>	<i>Intake</i>
1.	Department of Arabic	
	M.Phil. Arabic Language and Literature	6
2.	Department of English	
	M.Phil. English	6
3.	Department of Hindi	
	M.Phil. Hindi	12
4.	Department of Malayalam & Kerala Studies	
	M.Phil. Malayalam	10
5.	Department of Russian and Comparative Literature	
	M.Phil. Comparative Literature	5
6.	Department of Sanskrit	
	M.Phil. Sanskrit	6

IV. Ph.D. Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1.	Department of Arabic	
	Ph.D. Arabic Language and Literature	50
2.	Department of English	
	Ph.D. English	37
3.	Department of Hindi	
	Ph.D. Hindi	52
4.	Department of Malayalam & Kerala Studies	
	Ph.D. Malayalam	105
5.	Department of Russian and Comparative Literature	
	Ph. D. Comparative Literature	11
6.	Department of Sanskrit	
	Ph.D. Sanskrit	20

2. School of Biosciences**I. PG Programmes**

	<i>Name of the Course</i>	<i>Intake</i>
1.	Department of Biotechnology	
	M.Sc. Biotechnology	8
2.	Department of Botany	
	M.Sc. Applied Plant Science	20
3.	Department of Life Sciences	
	M.Sc. Microbiology	9

	M.Sc. Biochemistry	6
	M.Sc. Human Physiology	6
4.	Department of Psychology	
	M.Sc. Applied Psychology	28
5.	Department of Zoology	
	M.Sc. Applied Zoology	20

II. M.Phil. Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1.	Department of Biotechnology	
	M.Phil. Biotechnology	4
2.	Department of Botany	
	M.Phil. Botany	10
3.	Department of Life Sciences	
	M.Phil. Microbiology	1
	M.Phil. Biochemistry	1
	M.Phil. Human Physiology	1
4.	Department of Psychology	
	M.Phil. Psychology	10
5.	Department of Zoology	
	M.Phil. Zoology	10

III. Ph.D. Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1.	Department of Biotechnology	
	Ph.D. Biotechnology	15
2.	Department of Botany	
	Ph.D. Botany	59
	Ph.D. Biotechnology	3
	Ph.D. Environmental Science	7
	Ph.D. Microbiology	2
3.	Department of Life Sciences	
	Ph.D. Microbiology	10
	Ph.D. Biochemistry	6
	Ph.D. Human Physiology	7
4.	Department of Psychology	
	Ph.D. Psychology	32
5.	Department of Zoology	
	Ph.D. Zoology	42

3. School of Chemical and Physical Sciences**I. PG Programmes**

	<i>Name of the Course</i>	<i>Intake</i>
1. Department of Chemistry	M.Sc. Applied Chemistry	24
	2. Department of Physics	
	M.Sc. Physics	20
	M.Sc. Radiation Physics	12
3. Department of Nanoscience & Technology		
	M.Tech. Nanoscience & Technology	10

II. M.Phil. Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1. Department of Chemistry	M.Phil. Chemistry	9
	2. Department of Physics	
	M.Phil. Physics	8

III. Ph.D. Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1. Department of Chemistry	Ph.D. Chemistry	63
	2. Department of Physics	
	Ph.D. Physics	54
3. Department of Nanoscience & Technology	Ph.D. Nanoscience & Technology	-
4. School of Mathematical and Computational Sciences		

I. PG Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1. Department of Computer Science	M.Sc. Computer Science	24
	2. Department of Mathematics	
	M.Sc. Mathematics	20
3. Department of Statistics		
	M.Sc. Statistics	20

II. M.Phil. Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1. Department of Computer Science	M.Phil. Computer Science	6
	2. Department of Mathematics	
	M.Phil. Mathematics	6

3. Department of Statistics	
M.Phil. Statistics	6

III. Ph.D. Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1. Department of Computer Science		
	Ph.D. Computer Science	6
2. Department of Mathematics		
	Ph.D. Mathematics	12
3. Department of Statistics		
	Ph.D. Statistics	8
5. School of Business Studies		

I. PG Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1. Department of Commerce and Management Studies		
1.	MBA	40
2.	M.Com.	25

II. M.Phil. Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1. Department of Commerce and Management Studies		
1.	M.Phil. Commerce	12

III. Ph.D. Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1. Department of Commerce and Management Studies		
1.	Ph.D. Commerce	44

6. School of Information and Communication Studies**I. PG Programmes**

	<i>Name of the Course</i>	<i>Intake</i>
1. Department of Journalism and Mass Communication		
	MCJ	48
2. Department of Library and Information Science		
	M.LISc.	25

II. M.Phil. Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1. Department of Journalism and Mass Communication		
	M.Phil Journalism and Mass Communication	8
2. Department of Library and Information Science		
	M.Phil. Library and Information Science	4

III. Ph.D. Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1.	Department of Journalism and Mass Communication	
	Ph.D. Journalism and Mass Communication	9
2.	Department of Library and Information Science	
	Ph.D. Library and Information Science	14

7. School of Education**I. PG Programmes**

	<i>Name of the Course</i>	<i>Intake</i>
1.	Department of Education	
	M.Ed.	60
2.	Department of Lifelong Learning and Extension	
	1. PG Diploma in Counselling	50
	2. PG Diploma in Management of Learning Disability	50
3.	Department of Physical Education	
	M.P.Ed.	40

II. M.Phil. Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1.	Department of Education	
	M.Phil. Education	6

III. Ph.D. Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1.	Department of Education	
	Ph. D. Education	42
	Ph.D. Physical Education	32

8. School of Social Sciences**I. PG Programmes**

	<i>Name of the Course</i>	<i>Intake</i>
1.	Department of Women's Studies	
	M.A. Women's Studies	24
2.	Department of Economics	
	M.A. Economics	24
3.	Department of History	
	M.A. History	25
4.	Department of Philosophy	
	M.A. Philosophy	25
5.	Department of Political Science	
	M.A. Political Science	20

6.	Department of Folklore Studies	
	M.A. Folklore	24
7.	Department of Sociology	
	M.A. Sociology	24

II. M.Phil. Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1.	Department of Women's Studies	
	M.Phil. Women's Studies	2
2.	Department of Economics	
	M.Phil. Economics	8
3.	Department of History	
	M.Phil. History	8
4.	Department of Philosophy	
	M.Phil. Philosophy	8
5.	Department of Political Science	
	M.Phil. Political Science	3
6.	Department of Folklore Studies	
	M.Phil. Folklore	6

III. Ph.D. Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1.	Department of Women's Studies	
	Ph.D. Women's Studies	8
2.	Department of Economics	
	Ph.D. Economics	60
3.	Department of History	
	Ph.D. History	36
4.	Department of Philosophy	
	Ph.D. Philosophy	16
5.	Department of Political Science	
	Ph.D. Political Science	5
6.	Department of Folklore Studies	
	Ph.D. Folklore	8

9. School of Fine Arts**I. UG Programmes**

	<i>Name of the Course</i>	<i>Intake</i>
1.	Department of Drama & Fine Arts	
	Diploma in Theatre Acting	15
	Certificate in Music	10
	Certificate in Advanced Studies in Mridangam	10
	Bachelor of Theatre Arts	15

II. PG Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1.	Department of Drama & Fine Arts	
	Master of Theatre Arts	10
	M.A. Music	20
	PG Diploma in Theatre Technology	15

III. M.Phil. Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1.	Department of Drama & Fine Arts	
	M.Phil. Drama	10
	M.Phil. Music	5

IV. Ph.D. Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1.	Department of Drama & Fine Arts	
	Ph.D. Drama	8
	Ph.D. Music	8

10. School of Distance Education*Name of the Course***I. UG Programmes**

1.	Diploma in Hotel Management
2.	Diploma in Gemmology
3.	Diploma in Interior Design & Visualization
4.	Diploma in Architectural Visualization
5.	Diploma in Multimedia & Animation
6.	Certificate in Laptop and Desktop Engineering
7.	BA History
8.	B.A. Economics
9.	B.A. Sociology
10.	B.A. Political Science
11.	B.A. Philosophy
12.	B.A. English
13.	B.A. Malayalam
14.	B.A. Tamil
15.	B.A. Hindi
16.	B.A. Arabic
17.	B.A. Sanskrit
18.	B.A. Afzal-ul-Ulama
19.	B.A. P.O.T
20.	B.Com

21.	BBA
22.	Bachelor of Interior Design
23.	Bachelor of Multimedia and Communication
24.	Bachelor of Graphic Design and Animation
25.	B.Sc. Mathematics
26.	B.Sc. Counseling Psychology
27.	B.Sc. Printing Technology

II. PG Programmes

	<i>Name of the Course</i>
1.	PG Diploma in Foreign Trade
2.	PG Diploma in TV Programme Production
3.	PG Diploma in TV News Presentation and Anchoring
4.	PG Diploma in Multimedia
5.	PG Diploma in Web Technology
6.	MBA
7.	M.A. History
8.	M.A. Economics
9.	M.A. Sociology
10.	M.A. Political Science
11.	M.A. Philosophy
12.	M.A. English
13.	M.A. Malayalam
14.	M.A. Tamil
15.	M.A. Hindi
16.	M.A. Arabic
17.	M.A. Sanskrit
18.	M.A. Gandhian Studies
19.	M.Sc. Mathematics
20.	M.Com

11. University Centres- Lakshadweep

I. UG Programmes

	Name of the Course	Intake
1.	Lakshadweep Centre Kavarathi	
	B.Ed.	50
2.	Lakshadweep Centre Kadmat	
	B.A. Economics	24
	B.A. Arabic	24
	B.A. English	40
	B.Sc. Mathematics	30

3.	Lakshadweep Centre Androth	
	B.Sc. Aquaculture	24
	B. Com	40

II. PG Programmes

1.	Lakshadweep Centre Kadmat	
	M.A. Economics	15
	M.A. Arabic	15
	M.A. English	15
2.	Lakshadweep Centre Androth	
	M.Sc. Aquaculture	12
	M.Com	20

12. Self-Financing Centres**I. UG Programmes**

	<i>Name of the Course</i>	<i>Intake</i>
1.	Centre for Health Sciences	
	B.Sc. Medical Microbiology	25
	B.Sc. Medical Biochemistry	25
	B.Sc. Medical Laboratory Technology	30
2.	Centre for Physical Education	
	B.P.E.	25
	B.P.Ed.	40
3.	Centre for Computer Science and Information Technology, Vatakara	
	B.Sc. Information Technology	30
4.	Centre for Computer Science and Information Technology, Thalikkulam	
	B.Sc. Information Technology	30
5.	Calicut University Teacher Education Centre, Vatakara	
	B.Ed.	240
6.	Calicut University Teacher Education Centre, Chakkittapara	
	B.Ed.	200
7.	Calicut University Teacher Education Centre, Calicut	
	B.Ed.	240
8.	Calicut University Teacher Education Centre, Kaniyambetta	
	B.Ed.	200
9.	Calicut University Teacher Education Centre, Sulthanbathery	
	B.Ed.	200
10.	Calicut University Teacher Education Centre, Manjeri	
	B.Ed.	240

11.	Calicut University Teacher Education Centre, Malappuram	
	B.Ed.	240
12.	Calicut University Teacher Education Centre, Koduvayur	
	B.Ed.	200
13.	Calicut University Teacher Education Centre, Thrissur	
	B.Ed.	240
14.	Calicut University Teacher Education Centre, Valappad	
	B.Ed.	200
15.	Calicut University Teacher Education Centre, Nattika	
	B.Ed.	120
16.	Centre for Costume and Fashion Designing, Calicut	
	B.Sc. Costume and Fashion Designing	35
17.	Calicut University Institute of Engineering and Technology	
	B.Tech.	270

II. PG Programmes

	<i>Name of the Course</i>	<i>Intake</i>
1.	School of Health Sciences	
	M.Sc. Medical Microbiology	20
	M.Sc. Medical Biochemistry	20
	M.Sc. Medical Laboratory Technology	20
	M.Sc. Food Science and Technology	26
2.	M.H.A. Centre, School of Management Studies, Thrissur	
	M.H.A.	40
3.	M.B.A. Centre, School of Management Studies, Calicut	
	M.B.A.	40
4.	M.B.A. Centre, School of Management Studies, Aranattukara, Thrissur	
	M.B.A.	40
5.	M.B.A. Centre, School of Management Studies, Palakkad	
	M.B.A.	40
6.	M.B.A. Centre, School of Management Studies, Vatakara	
	M.B.A.	40
7.	M.B.A. Centre, School of Management Studies, Kuttipuram	
	M.B.A.	40
8.	M.B.A. Centre, School of Management Studies, Thiroor, Thrissur	
	M.B.A.	40
9.	Centre for Computer Science and Information Technology, CU Campus	
	M.Sc. Computer Science	24
	M.C.A.	30
10.	Centre for Computer Science and Information Technology, Aranattukara	
	M.Sc. Computer Science	24

	M.C.A.	30
11.	Centre for Computer Science and Information Technology, Pullut	
	M.Sc. Computer Science	24
	M.C.A.	30
12.	Centre for Computer Science and Information Technology, Vatakara	
	M.Sc. Computer Science	24
	M.C.A.	30
13.	Centre for Computer Science and Information Technology, Manjeri	
	M.Sc. Computer Science	24
	M.C.A.	30
14.	Centre for Computer Science and Information Technology, Thalikkulam	
	M.C.A.	30
15.	Centre for Computer Science and Information Technology, Muttil	
	M.C.A.	30
16.	Centre for Computer Science and Information Technology, Mannarkkad	
	M.C.A.	30
17.	Centre for Computer Science and Information Technology, Pudukkad	
	M.C.A.	30
18.	Centre for Computer Science and Information Technology, Palakkad	
	M.C.A.	30
19.	Centre for Computer Science and Information Technology, Kuttipuram	
	M.C.A.	35
20.	University Study Centre, Calicut	
	M.C.A.	30
21.	Centre for P.G. Studies in Social Work, Sulthanbathery	
	M.S.W.	35
22.	Calicut University Teacher Education Centre, Vatakara	
	M.Ed.	40
23.	Calicut University Teacher Education Centre, Aranattukara	
	M.Ed.	40
24.	Calicut University Teacher Education Centre, Nattika	
	M.Ed	40

13. Department of Life Long learning and Extension

1.	PG Diploma in Counselling	50
2.	PG Diploma in Management of Learning Disabilities	50

1.2.2 Give details on the following provisions with reference to academic flexibility.

Core/elective options: With the implementation of Choice Based Credit System in the University, all departments strictly comply with the regulations regarding the core and elective courses offered in each programme. The students opt for electives from either their own department or allied departments.

Enrichment courses: The Academic Staff College regularly conducts workshops for Research scholars on Research Methodology. Many departments also conduct similar workshops and seminars for the benefit of students and research scholars.

Courses offered in modular form: The course content is divided into modules/units/ sections.

Credit accumulation and transfer facility: A student who has successfully completed his/her M.Phil. Programme under the regular scheme in any University can register for the Ph.D programme and need not appear for the Ph.D entrance examination conducted by the University.

Lateral and vertical mobility within and across programmes, courses and disciplines: Students have the freedom of lateral and vertical mobility, with regard to electives, so as to complete a programme. B.Voc. has flexibility for lateral entry.

1.2.3 Does the University have an explicit policy and strategy for attracting international students?

A large number of foreign students are approaching the University every year for admission to various courses including Ph.D programmes. Students, on a special scholarship scheme of the Central Government and sponsored by the ICCR, were admitted to various degree and PG courses in the affiliated colleges and University departments during this period. 124 foreign students from various countries, sponsored by ICCR and self -financing, were admitted to various degree and PG courses in the affiliated colleges and University departments (Annexure I). It may be noted that University of Calicut has been drawing maximum number of foreign students among the Universities in Kerala for the last many years.

1.2.4 Have any courses been developed targeting international students? If so, how successful have they been? If 'no', explain the impediments.

The University is in the last stage of passing a credit transfer regulation targeting international students learning at foreign universities. The academic council will be clearing the final form of the regulation at its next meeting. The University has collected the titles of the possible papers from various faculties of the University for the courses targeted at international students.

1.2.5 Does the University facilitate dual degree and twinning programmes? If yes, give details.

So far University has not formulated any such programmes.

1.2.6 Does the University offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?

The University offers self-financing programmes through its 38 self-financing centres offering 52 courses. The courses are of applied nature, catering to the needs of the students of the locality and the courses are run on no-profit no-loss basis.

Sl. No.	Name of Centre	Name of Course	Intake
I. UG Programme			
1	Centre for Health Sciences	B.Sc. Medical Microbiology	25
		B.Sc. Medical Biochemisry	25
		B.Sc. Medical Laboratory Technology	30
2	Centre for Physical Education	B.P.E.	25
		B.P.Ed	40

3	Centre for Computer Science and Information Technology, Vatakara	B.Sc. Information Technology	30
4	Centre for Computer Science and Information Technology, Thalikkulam	B.Sc. Information Technology	30
5	Calicut University Teacher Education Centre , Vatakara	B.Ed	240
6	Calicut University Teacher Education Centre , Chakkittapara	B.Ed	200
7	Calicut University Teacher Education Centre , Calicut	B.Ed	240
8	Calicut University Teacher Education Centre , Kaniyambetta	B.Ed	200
9	Calicut University Teacher Education Centre , Sulthanbathery	B.Ed	200
10	Calicut University Teacher Education Centre , Manjeri	B.Ed	240
11	Calicut University Teacher Education Centre , Malappuram	B.Ed	240
12	Calicut University Teacher Education Centre , Koduvayur	B.Ed	200
13	Calicut University Teacher Education Centre, Thrissur	B.Ed	240
14	Calicut University Teacher Education Centre, Valappad	B.Ed	200
15	Calicut University Teacher Education Centre, Nattika	B.Ed	200
16	Centre for Constume and Fashion Designing, Calicut	B.Sc. Costume and Fashion Designing	35
17	Calicut University Institute of Engineering and Technology	B.Tech	270
II.	PG Programmes		
1.	School of Health Sciences	M.Sc. Medical Microbiology	20
		M.Sc. Medical Biochemistry	20
		M.Sc. Medical Laboratory Technology	20
		M.Sc. Food Science and Technology	20
2.	M.H.A. Centre, School of Management Studies, Thrissur	M.H.A.	40
3	M.B.A. Centre, School of Management Studies, Calicut	M.B.A.	40
4	M.B.A. Centre, School of Management Studies, Aranattukara, Thrissur	M.B.A.	40
5	M.B.A. Centre, School of Management Studies, Palakkad	M.B.A.	40
6	M.B.A. Centre, School of Management Studies, Vatakara	M.B.A.	40
7	M.B.A. Centre, School of Management Studies, Kuttipuram	M.B.A.	40

8	M.B.A. Centre, School of Management Studies, Thiroor, Thrissur	M.B.A.	40
9	Centre for Computer Science and Information Technology, CU Campus	M.Sc. Computer Science	24
		M.C.A.	30
10	Centre for Computer Science and Information Technology, Aranattukara	M.Sc. Computer Science	24
		M.C.A.	30
11	Centre for Computer Science and Information Technology, Pullut	M.Sc. Computer Science	24
		M.C.A.	30
12	Centre for Computer Science and Information Technology, Vatakara	M.Sc. Computer Science	24
		M.C.A.	30
13	Centre for Computer Science and Information Technology, Manjeri	M.Sc. Computer Science	24
		M.C.A.	30
14	Centre for Computer Science and Information Technology, Thalikkulam	M.C.A.	30
15	Centre for Computer Science and Information Technology, Muttil	M.C.A.	30
16	Centre for Computer Science and Information Technology, Mannarkkad	M.C.A.	30
17	Centre for Computer Science and Information Technology, Pudukkad	M.C.A.	30
18	Centre for Computer Science and Information Technology, Palakkad	M.C.A.	30
19	Centre for Computer Science and Information Technology, Kuttipuram	M.C.A.	35
20	University Study Centre, Calicut	M.C.A.	30
21	Centre for P.G. Studies in Social Work, Sulthanbathery	M.S.W.	35
22	Department of Sociology	M.A. Sociology	20
23	Calicut University Teacher Education Centre , Vatakara	M.Ed.	40
24	Calicut University Teacher Education Centre , Aranattukara	M.Ed.	40
25	Calicut University Teacher Education Centre	M.Ed.	40

1.2.7 Does the University provide the flexibility to bring together the conventional face-to-face mode and the distance mode of education and allow students to choose and combine the courses they are interested in? If yes, give operational details.

Not at present.

1.2.8 Has the University adopted the Choice Based Credit System (CBCS/CCSS)? If yes, for how many programmes? What efforts have been made by the University to encourage the

introduction of CBCS in its affiliated colleges? (indicate the inter and intra departmental electives offered)

Yes. All UG and PG programmes of the University except B. Ed. and M. Ed. presently follow CBCSS/CCSS. Intradepartmental and interdepartmental electives are offered.

◀ What percentage of programmes offered by the University follow:

- ☐ Annual system: B. Ed. And M. Ed. (about 1%)
- ☐ Semester system: All other UG, PG and M.Phil programmes
- ☐ Trimester system: Nil

1.2.9 How does the University promote inter-disciplinary programmes? Name the programmes and comment on their outcome.

Interdisciplinary research programmes are being undertaken by the departments of studies and research. School system has been introduced to facilitate vertical and horizontal movement.

1.3 Curriculum Enrichment

1.3.1 How often is the curriculum reviewed and upgraded for making it socially relevant and/or job oriented/knowledge intensive and meeting the emerging needs of students and other stakeholders?

The curriculum is reviewed and reoriented every three years.

1.3.2 During the last four years, how many new programmes at UG and PG levels were introduced? Give details.

Interdisciplinary:

- ◀ M. Tech. in Nanoscience and Technology

Programmes in emerging areas:

- ◀ Diploma in Hotel Management
- ◀ Diploma in Gemmology
- ◀ Diploma in Interior Design & Visualization
- ◀ Diploma in Multimedia & Animation
- ◀ Certificate in Laptop and Desktop Engineering
- ◀ Bachelor of Interior Design
- ◀ Bachelor of Multimedia and Communication
- ◀ Bachelor of Graphic Design and Animation
- ◀ B.Sc. Counseling Psychology
- ◀ B.Sc. Printing Technology
- ◀ PG Diploma in Foreign Trade
- ◀ PG Diploma in TV Programme Production
- ◀ PG Diploma in in TV News Presentation and Anchoring
- ◀ PG Diploma in Multimedia
- ◀ PG Diploma in Web Technology

1.3.3 What are the strategies adopted for the revision of the existing programmes? How many courses underwent a syllabus revision? Specify the total number of courses in each programme.

All the UG and PG programmes have been revised in the last three years incorporating the new developments in the areas of study.

1.3.4 What are the value-added courses offered by the University? How does the University ensure that all students have access to them?

The following courses are being offered in emerging areas by the School of Distance Education. Admission is ensured based on the requirement of students.

- ◀ Diploma in Hotel Management
- ◀ Diploma in Gemmology
- ◀ Diploma in Interior Design & Visualization
- ◀ Diploma in Multimedia & Animation
- ◀ Certificate in Laptop and Desktop Engineering
- ◀ Bachelor of Interior Design
- ◀ Bachelor of Multimedia and Communication
- ◀ Bachelor of Graphic Design and Animation
- ◀ B.Sc. Counseling Psychology
- ◀ B.Sc. Printing Technology
- ◀ PG Diploma in Foreign Trade
- ◀ PG Diploma in TV Programme Production
- ◀ PG Diploma in TV News Presentation and Anchoring
- ◀ PG Diploma in Multimedia
- ◀ PG Diploma in Web Technology

Students without basic educational qualifications are permitted to write open entrance examination through which they are admitted to various UG programmes of the University. This is a unique step of the University to ensure inclusive education to students who were forced to stop formal education due to social and financial reasons.

1.3.5 Details of any higher order skill development programmes introduced by the University in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?

Such programmes are being offered in the distance mode and also through the Department of Life Long Learning and Continuing Education. There are 26 Skill development programmes under the Department as follows:

- ◀ Fabric painting and saree designing course
- ◀ Beauty culture course
- ◀ Ornaments making course
- ◀ Pottery arts course
- ◀ Dry flower making course
- ◀ Paper cover and carry bag making course
- ◀ Bakery items making course
- ◀ Fashion designing course
- ◀ Glass painting course
- ◀ Mat weaving course

- ◀ Hand embroidery and saree designing course
- ◀ Textile printing
- ◀ Screen printing course
- ◀ Soft toys making course
- ◀ Hand bag making course
- ◀ Shell handicraft making course
- ◀ Soap making course
- ◀ Candle making course
- ◀ Umbrella making course
- ◀ Book binding course
- ◀ Curry powder making course
- ◀ Pickles making course
- ◀ Jam and Squash making course
- ◀ Clay modeling course
- ◀ Ceramic painting course
- ◀ Hand embroidery course

1.4. Feedback System

1.4.1 Does the University have a formal mechanism to obtain feedback from the students regarding the curriculum and how is it made use of?

Yes, the feedback from the students is collected and taken into account while modifying the curriculum.

1.4.2 Does the University elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and its impact

Feedback has been obtained from the visitors from foreign universities/ institutions, invited distinguished scholars, UGC visiting fellows, etc. Online discussions are also held by the faculty members to upgrade the curriculum to meet global challenges.

1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum enrichment and the extent to which it is made use of.

Feedback from affiliated colleges: Faculty members from affiliated colleges form part of all academic bodies like Board of Studies, Faculty, Academic Council, Research Council, Senate and Syndicate. The University conducts workshops for syllabus revision with the participation of faculty. The feedback, recommendations and revised curriculum and syllabi are obtained from the affiliated colleges as and when warranted and discussed in all the above bodies for incorporation and approval.

1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the University in ensuring the effective development of the curricula?

The University's Internal Quality Assessment Cell (IQAC) ensures quality in the services provided to the stakeholders.

- ◀ Extension of CBCS in UG/PG Courses to all the affiliated colleges of the University.
- ◀ Balanced curriculum revision of UG/PG courses

While formulating new scheme and syllabus of the existing programmes, the following criteria are given due weightage:

- ◀ Number of students who receive placement after the completion of the programme.
- ◀ Number of students who are successful in the national/state level competitive examinations such as NET, UGC-CSIR, ISI, SET etc.
- ◀ Number of students who opt for higher studies after M.Sc./M.Phil. programme.
- ◀ The feedback from the institutions which are actively collaborating with the programmes.
- ◀ The feedback from the alumni who are employed in the reputed organisations of the same domain.
- ◀ The University offers enrichment training programme for faculty members in the form of workshops. Special encouragement is given to the teachers for the following:
 - Best researcher award
 - Best Publication award
 - M.M. Ghani award for the best college teacher

Any other information regarding Curricular Aspects which the University would like to include.

Other activities to promote curriculum enrichment and modernization of teaching techniques include promoting web based learning, country wide class room and smart class rooms.



Criterion-II
TEACHING, LEARNING AND EVALUATION

CRITERION II:

TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the University ensure publicity and transparency in the admission process?

Publicity: The University ensures wide publicity to the post-graduate admission process through notification and advertisements in local and national newspapers as well as on the University website www.Universityofcalicut.info. Admission notification along with the detailed schedule of Entrance Examinations (for interdisciplinary Masters programmes) is given wide publicity and circulated to the affiliated colleges and the academic departments. The entire process of admission is now carried out by the Directorate of Admissions. Transparency in the admission process is ensured by digitizing the entire admission process and ensuring transparency at all stages.

There is separate admission procedure for M .Phil . and Ph.D. courses administered through the Directorate of Admissions (DoA), Directorate of Research (DoR) and Departmental Research Committees. Admission notification along with the detailed schedule of entrance examinations for all subjects is advertised in prominent newspapers and is also circulated to affiliated colleges and Academic Departments as well as published on the University website .

Transparency: In order to bring transparency, information containing general merit list, category and other related matters is displayed on the University website as well as department notice boards. Sufficient time is also given to report discrepancies, if any . The final merit list along with information regarding candidates to be called for interview/counseling is displayed. For each phase of admission, students are given information on the admission procedure, facilities available in the concerned departments and the University, course structure and placement opportunities. Single window system has been introduced in 2013 for admissions to UG and PG programmes.

2.1.2 Explain in detail the process of admission put in place by the University . List the criteria for admission: [*e.g.*: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common entrance test conducted by state agencies and national agencies (v) other criteria followed by the University].

The Directorate of Admissions (DoA) was established by the University in the year 2014 with a view to streamline the entire admission process in the University teaching departments and affiliated colleges of the University. The main aim of DoA is to conduct centralised admissions to various UG, PG, M.Phil and Ph.D programmes offered by the University and its affiliated colleges in a systematic, transparent and student friendly manner following all reservation rules. The major task of DoA is the conduct of Centralised Admission Process (CAP) for UG and PG, which offers facility for online submission of single application for various UG and PG courses in multiple colleges affiliated to the University. CAP helps students to submit

applications of their choice through simple online steps. This hassle-free process is time saving, cost-effective and it ensures transparency in admission.

Admissions to all the conventional PG programmes are carried out based on the marks of the qualifying examination while admission to new-generation programmes are based on entrance examinations. M.Phil. and Ph.D. programme admissions are carried out based on entrance tests with 50% weightage for the entrance examination. 50% of the seats are allotted under general quota and the remaining 50% are allotted under different reservations as per the norms of the Government of Kerala. For admission to MBA course, marks secured for group discussion is also considered for ranking.

Process of Admission:

- Notification of the admission process is published in the month of June/July every year in the leading national and regional newspapers. It is also published on University website, which contains all the details regarding admission process.
- Entrance Tests are conducted at various centres identified by the Admission Committee .
- Entrance Tests are conducted for M .Phil and Ph.D. courses at various centres identified by the Admission Committee .
- A merit list is displayed on the website . Sufficient time is given to the candidates to report discrepancies, if any. A final merit list is displayed after addressing the reported discrepancies.
- Three admission rounds are scheduled. For each round, a list of candidates is displayed two days prior to the admission before on the University website .
- The State Government reservation policy is strictly adhered to.
- Eligibility of the students at the entry level is certified by the University.
- There is a separate admission procedure for international students.
- A minimum of 50% marks is required in the qualifying examinations for admission. Relaxation is given to reserved categories.

2.1.3 Provide details of admission process in the affiliated colleges and the University's role in monitoring the same .

- Admissions to UG courses are offered by respective colleges according to the University guidelines and stipulated regulations.
- Colleges admit students for various courses approved by the University only .
- Eligibility of the students at the entry levels (UG and PG) is certified by the University .

2.1.4 Does the University have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

Yes. The review is taken up in the meetings of the HoD's under the chairmanship of the Vice Chancellor. Major issues are discussed and the decisions are communicated to the concerned

sections for further implementation. Some of the important outcomes after analysis have been identified as follows:

- The University administration took initiatives and expanded the hostel facilities for boys and girls in view of the growing number.
- In order to avoid delay in the admission process, all the activities have been mechanized and reviewed prior to the beginning of the academic year, which has helped to adhere to academic calendar.

The outcome of such an analysis will substantially help the students, since it demands for individual attention to students and will improve the student profile annually. The following aspects are examined by formulating the admission policy for the next year:

- Demand for various courses
- Level of representation for socially and educationally backward sections including SC/ST
- Level of representation of female students
- Efficiency of the existing admission process

(Academic calendar is appended as Annexure II)

2.1.5 What are the strategies adopted to increase/improve access for students belonging to the following categories: SC/ST, OBC, women, persons with varied disabilities, economically weaker sections, outstanding achievers in sports and other extracurricular activities.

The University has been following inclusive policies by extending support to backward sections of the society. In fact, it is one of the goals of the University. For giving access to students from the above categories, the reservation policy followed by the Kerala Government is implemented in the University. The nominal fee structure of the University, in the post graduate courses, attracts students from lower income groups too.

A. SC/ST/OBC/Women

- Admission to students belonging to SC, ST and OBC categories is given according to the statutory provisions.
- The State and Central Government Scholarships are channeled to the Backward Class/Community students.
- The University implements Remedial Coaching for SC/ST students, NET coaching for minority and backward classes.
- All eligible students are given accommodation in the hostels of the University.
- Institute of Tribal Studies and Research (ITSR) has been recently established in a tribal area by the University.

B. Economically Weaker Sections:

- Economically Backward Class Scholarships are provided by the State Government to the students whose parental income is less than one lakh rupees per annum. More than 35% of students avail this facility.

- 7% of seats are reserved for BPL category.
- Economic support to poor students is extended through the ‘*Earn while you Learn Scheme*’ designed by the University .
- Additional Skill Acquisition Programme (ASAP) has been introduced in the University to provide economic support to students.

C. Differently abled:

Differently abled students are provided with required facilities like ramps and lift facility (administrative building), and railings are made available for students in the buildings. These students are provided with easy access to hostel, library and internet facility. Admission to differently abled students is provided as per State Government rules.

D. Athletes and sports persons:

University Scholarships are offered to the students showing significant achievements in national and international sports activities. Seats are reserved for athletes and sport persons for post graduate admissions as per rules in each Department .

As per the reservation policy of the Government of Kerala, the following break-up of seats is followed for PG admission in the University.

Category	Percentage of seats
Scheduled Castes	15%
Scheduled Tribes	5%
Backward Communities	20%
Physically Challenged	3%
Below Poverty Line students not having the benefit of other reservation	7%

The seats reserved for Backward communities are distributed as follows

Community	Percentage
Ezhava	8%
Muslim	7%
Hindu Backward	3%
SIUC/Latin Catholic	1%
Christian Backward	1%

One additional seat is provided to sports and Lakshadweep candidates depending on demand.

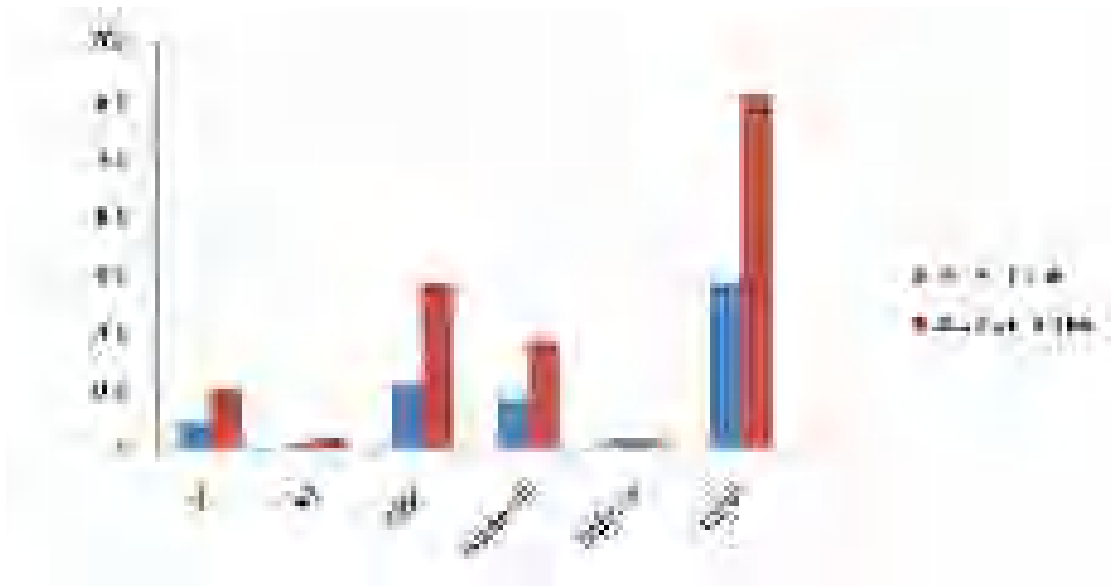
2.1.6 Number of students admitted in University departments in the last five academic years:

Students Admitted at the entry level to the P. G. courses.

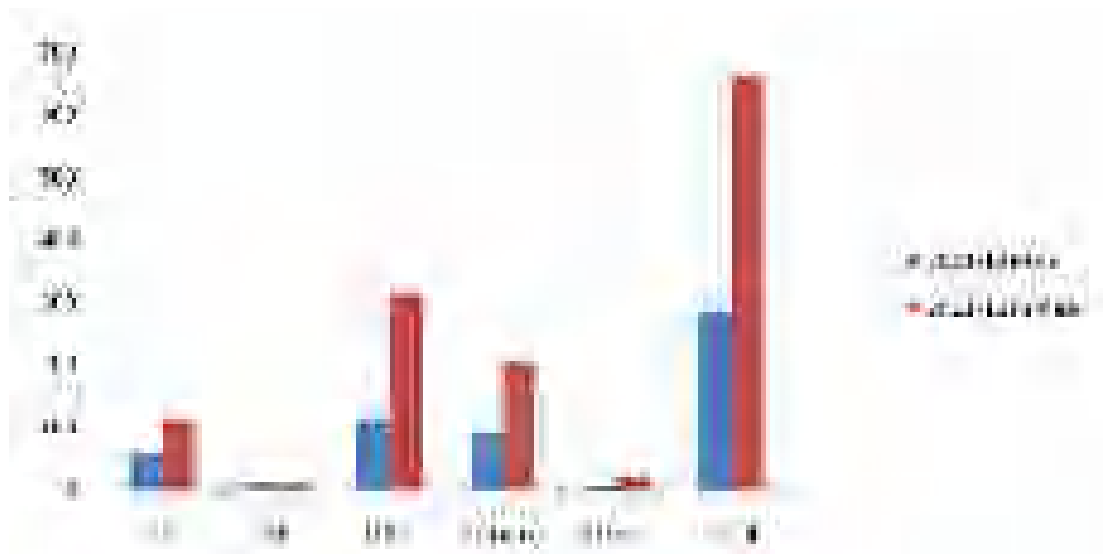
Category	2010-11		2011-12		2012-13		2013-14		2014-15	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
SC	48	102	60	114	65	136	61	132	68	137
ST	13	21	15	8	17	14	14	11	19	10

OBC	114	288	114	317	129	358	211	324	157	326
General	91	188	89	204	111	229	100	219	113	213
Others(OEC, LC, Foreign, etc.)	20	15	7	20	6	17	14	32	15	20
Total	286	614	285	663	328	754	400	718	372	706

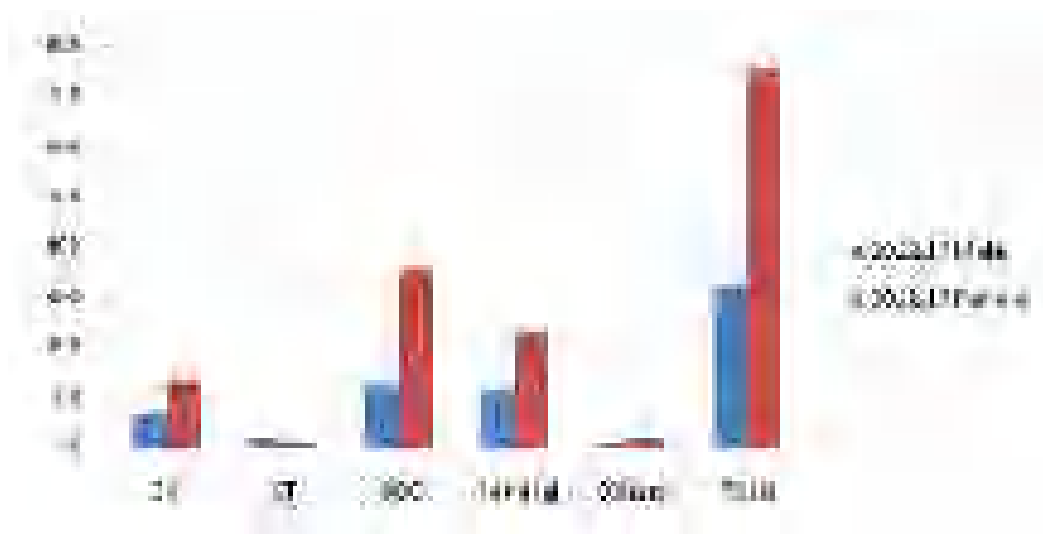
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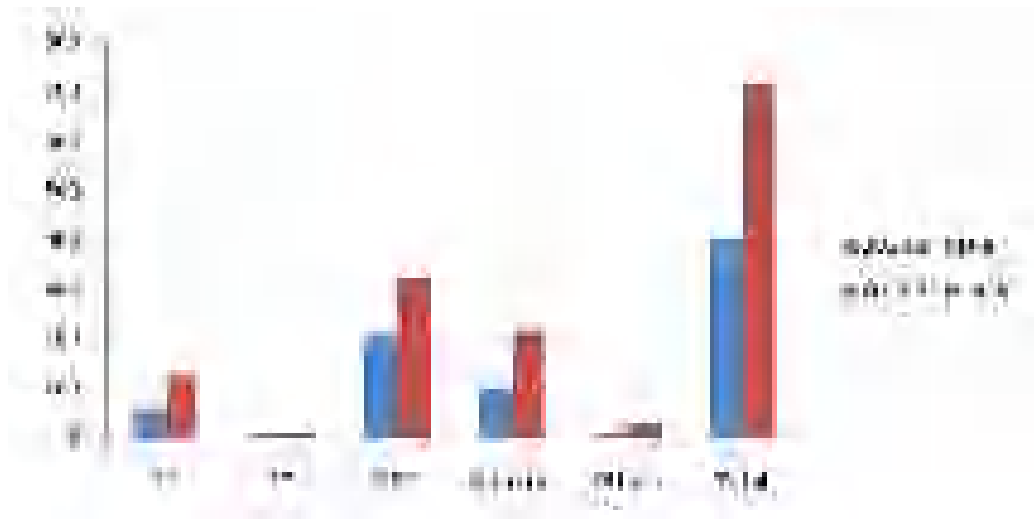
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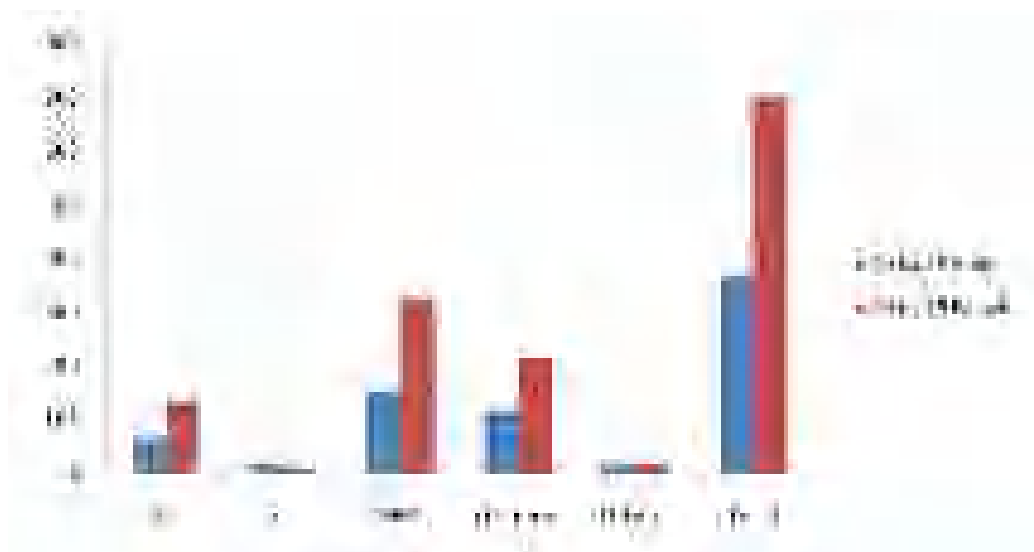
2012- 13



2013- 14



2014- 15



2.1.7 Has the University conducted any analysis of demand ratio for the various programmes of the University departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase/decrease.

Yes. The Table below indicates the detailed analysis of demand ratio of the University Departments for the last four years:

Demand Ratios of the University Departments

Programmes	Number of applications	Number of students admitted	Demand Ratio
PG	9477	1053	9:1
Integrated Masters	108	25	4:1
M.Phil.	393	131	3:1
Ph.D.	880	432	2:1
Integrated Ph.D.	--	--	--
Certificate	Admitted first-cum-first basis		
Diploma	Admitted first-cum-first basis		
PG Diploma	Admitted first-cum-first basis		
Any other (please specify)	-	-	-

Demand Ratios of the Affiliated colleges (Arts and science colleges)

Programmes	Number of applications	Number of students admitted	Demand ratio
UG	1,25,000	48,000	2.6:1
PG	25,000	6,750	3.7:1

2.1.8 Were any programmes discontinued/staggered by the University in the last four years? If yes, please specify the reasons.

No

2.2 Catering to Student Diversity

2.2.1 Does the University organize orientation/induction programme for freshers? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

Yes. The University organizes induction programme for the freshers through Academic Departments, Central Library and Student's Welfare Department. An induction programme for freshers in the Departments is conducted every year on the day of admission together with the PTA meeting.

Duration:

- ◀ Department level one day welcome programmes are organized by the Departments.
- ◀ The Central Library introduces the students through the Library Orientation Programme which goes on for a couple of days.
- ◀ One week orientation programme for freshers of MBA programme of the University is organized by DCMS.

- ◀ Freshers’ day is celebrated every year when admissions are over as an initiative of the Department of Students’ Welfare.

Issues covered:

Department level	<ol style="list-style-type: none"> 1. General introduction of the Department 2. Use of department library 3. Internal examinations 4. Faculty and their specialization 5. Career opportunities 6. Hostels 7. Placement 8. General discipline
Library level	<ol style="list-style-type: none"> 1. General introduction to library 2. Sections in the library 3. Working hours 4. Collections 5. Rules and regulations 6. Special features and services 7. Internet /Infonet facilities 8. Library facilities

Experts involved: The University inhouse experts (Faculty members, the Librarian and Dean of Student’s welfare along with their supporting staff) are involved.

Mechanism: As soon as the students are admitted to the course curriculum, they are counseled at the Department level. The University Library and the Students’ Welfare Department communicate their programmes to the departments for the information of students. The Coordinators of various schemes and Administrative Sections also communicate their programmes through notifications.

2.2.2 Does the University have a mechanism through which the “differential requirements of the student population” are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

Yes. The following methods are used:

- ◀ Feedback at entry point is taken.
- ◀ The department concerned takes care of the feedback.
- ◀ Departments and service units are given the task of resolving the issues, if any.
- ◀ Anti-ragging declaration is obtained from all students at the time of admission and measures are taken when complaints arise.
- ◀ Various academic issues are resolved periodically through the meetings of Heads/ Directors/Coordinators and Wardens under the guidance of Vice-Chancellor.
- ◀ The “differential requirements of the student population” are analyzed after admission by the departmental councils.
- ◀ The key issues are identified by examining the student profiles in the application form and are addressed before the commencement of classes every year.

2.2.3 Does the University offer bridge/remedial/add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?

Yes. Time table of the courses is organized by the respective departments before and after the regular teaching and even on Saturdays and Sundays. The Table below (?) gives the details of the academic programmes of the Departments on the campus. Tutorial and remedial classes are regularly arranged. One hour per week is set apart for tutorials.

2.2.4 Has the University conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, physically handicapped, slow learners, etc.? If yes, what are the main findings?

The University has constituted a Study Group for this purpose.

2.2.5 How does the University identify and respond to the learning needs of advanced learners?

The faculty identifies the advanced learners on the basis of classroom interaction and their performance in internal assessment and term end examinations. The faculty motivates the advanced learners through following measures:

- ◀ They are given opportunities to assist on small research assignments undertaken by the faculty.
- ◀ These students are encouraged to lead academic events.
- ◀ Students are encouraged and guided for national level tests such as NET/SET/GATE/GRE/ICMR/TOEFL.
- ◀ Students are encouraged to participate and present their research work through posters and paper presentations in various conferences and seminars.
- ◀ Field visits, hands on activity, study tours, visit to discipline related institutions/industries are arranged.
- ◀ PPT presentations/Group discussions are held.
- ◀ Leadership camps are organized by Director of Students' Welfare and N.S.S.
- ◀ University facilitates all eligible students to undertake project work under ASPIRE scheme. With a view to give students exposure to National Level Research Institutions and to interact with eminent scholars, the Govt. of Kerala has introduced a scholarship scheme "Aspire", which enable regular PG/M.Phil/Ph.D students to do short term internships/projects in Research Institutions other than their parent Colleges/University Departments. The scholarship may be availed for a minimum period of one month and maximum of four months. The monthly rate of scholarships within the state will be Rs.8,000/- and for internships undertaken outside the state will be Rs.10,000/-.

2.3 Teaching-Learning Process

2.3.1 How does the University plan and organize the teaching, learning and evaluation schedules (academic calendar, teaching plan, evaluation blue print, etc.)?

- ◀ The departments plan and organize the teaching, learning and evaluation schedules in each semester in the PG, M.Phil. and Doctoral programmes well in advance. A faculty member is given duty as teacher-in charge of each programme and he/she is vested with the task of planning the teaching and learning processes.
- ◀ The Academic Calendar of the University is set up in accordance with that constituted by the CCSS Office.

- ◀ The evaluation blue print as mentioned in the syllabi for each programme will be formulated and effected by the Board of Examiners under the supervision of the Chairman of each Board.
- ◀ Admission to MCA and MBA programmes and their conduct are done according to AICTE norms as per the directions of Hon'ble Supreme Court.

2.3.2 Does the University provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

Yes. The University departments provide course outlines on the day of admission itself to the students prior to the commencement of the academic session. The course schedules are handed over to the students as and when it is ready. The effectiveness of the process is ensured by the faculty members dealing with the respective courses in each programme.

- ◀ At the University level, the University Course Directory is printed with Department wise details of courses.
- ◀ The detailed syllabi for all subjects are available on the University website.
- ◀ At the time of admission rounds outline of the course is explained to all the students attending the sessions.
- ◀ The entry point feedback projects the usefulness of information to students in selecting the course papers as per their interest. Sometimes, new courses are also demanded by which helps us to add them.

This facilitates the students to plan for their career development. The University simultaneously, publishes the information about the new course curriculum through the University website.

The effectiveness of the process is ascertained through Continuous Evaluation and Mid-Semester examination. Based on the review, the course outline is revisited.

2.3.3 Does the University face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

Normally the curriculum is completed within stipulated time frame and calendar. Due to the unexpected loss of working days by natural calamities, hartals and other causes, completion of curriculum within the stipulated time is a problem. This is compensated by taking special classes on non-working hours and holidays. Thus, the University faces no challenge in completing the curriculum within the stipulated period and the calendar.

2.3.4 How are learning made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

The provision for choice of electives under CCSS regulation for PG programmes offers vertical, horizontal mobility for students to enhance their learning activities. The learning is made student-centric by encouraging the students to participate in group discussions, quizzes on selected topics, interesting debates on socially relevant issues etc. With the help of smart class rooms equipped with LCD projectors and interactive boards, learning is made more interactive.

Students have the freedom to select projects of their choice from outside institutions. Field-based learning, group-based learning and problem based learning/ intervention are in practice.

Learning is made student-centric by inducting seminar sessions every week. Students are encouraged to visit places of interest accompanied by teachers to get firsthand experience on knowledge generation and utilization.

The University has a culture of student centric education and learning. Efforts are also made at the University level as well as at the departmental level to ensure student-centric learning and knowledge management by:

- ◀ Using ICT tools in the classrooms.
- ◀ Providing library facilities for self-learning.
- ◀ Organizing seminars, conferences, workshops, symposia and debates.
- ◀ Ensuring holistic development and enhancing student learning with the help of following activities:

The various strategies adopted by the faculty are:

- ◀ Group discussions, quizzes, seminars and assignments
- ◀ Orientation classes for students
- ◀ Open seminars for the entire department which develop the communication and presentation skill of the student and raises his/her self-esteem.
- ◀ Central and Departmental library providing many reference books and online journals
- ◀ Participation in research competition
- ◀ Brain storming sessions
- ◀ Interaction with community for learning
- ◀ Joint projects by the students
- ◀ Educational tours/field work
- ◀ Science Day

2.3.5 What is the University's policy on inviting experts/people of eminence to deliver lectures and/or organize seminars for students?

The University regularly invites experts/people of eminence to deliver lectures and also organize seminars for students. Approximately 300 experts from different disciplines visit the teaching departments for seminars, symposia and evaluation works.

The University has provisions for arranging lectures by experts from outside through the following:

- ◀ Yearly Endowment Lecture Series planned by the Departments.
- ◀ Special theme-based seminars, workshops and lectures organized by the Departments.
- ◀ Lectures and discussions by experts visiting the Departments for Ph.D. open defense cum viva voce.
- ◀ Frontier Lecture/Erudite Scheme Series were conducted by the University with the financial assistance from Kerala State Higher Education Council by inviting Eminent Scientists/Professors for the benefit of faculty, students and scholars. Details of lectures conducted during the past three years are given below.
 - o Prof. A. K. Mishra, IIT Madras “Luminescence Spectroscopy” – 10th January, 2013.
 - o Dr. Kanchi Gandhi, Harvard University Herbaria, Cambridge MA 02138, U.S.A., “New Trends in Classical Plant Taxonomy” - 28th February, 2014.

- o Prof. Jemmis, IISc, Bangalore. “A Structural Chemistry for Boron” – 20th March, 2014.
- o Dr. T. J. Pandian, School of Biological Sciences, Madurai Kamaraj University ‘Asexual Reproduction, Coeloms and Embryonic Stem Cells’ and ‘Primordial Germ Cells and Sexuality in Fishes’ -25th March 2014.
- o Dr. Ajayaghosh, NIIST, Thiruvananthapuram. 11th March 2015.
- o Prof T.P. Radhakrishnan, School of Chemistry, University of Hyderabad “Molecular Materials: Emergence of Functional Phase Change Materials”- 15th June, 2015.

2.3.6 Does the University formally encourage blended learning by using e-learning resources?

Yes. The University encourages blended teaching and learning through web resources on certain topics, e-references, power point presentations and e-journals provided.

- ◀ The University’s Educational Multi-Media Research Centre (EMMRC) completed the first phase of e-content production.
- ◀ The centre produced 378 e-contents from B.Sc. Mathematics and 341 e-contents from B Ed. under graduate syllabi.
- ◀ 378 Mathematics e-contents were launched to CEC website for the use of college student community.
- ◀ As per the information of CEC, the University of Calicut EMMRC (Educational Multi-media Research Centre) is in the position of the first five best centres of the CEC on the basis of e-content and video programme productions.
- ◀ The centre has received a total of 39 national and regional awards for best educational programmes, so far.

Year	No. of E-contents	No. of Video programmes	No. of Edusat Live Lecture transmissions from the centre
2010	08	45	0
2011	103	106	05
2012	289	89	05
2013	217	273	23
2014	245	255	05
2015	28	50	-

Seminars and Workshops: The EMMRC has introduced a periodical film show named as “*IRIS*” in order to familiarize our programmes to University students, teachers and staff. The EMMRC conducted e-content production workshops involving subject experts, college teachers, and programme producers for the subjects Library Science, Education and Philosophy on 15/06/2011, 17/06/2011 and 21/06/2011 respectively.

EMMRC, University of Calicut organized two day national seminar on “*Media in Transition – contemporary concerns*” on 27th and 28th March 2012 in association with Department of Malayalam and Kerala Studies. The seminar focused on contemporary concerns about media, technological trends, shaping of the media and how media culture is responding to the technological changes.

The EMMRC organized a national seminar on the topic “Content development in library and information science” on 18th May 2012. Ms. Jayaja Krishnan, Media Tape Librarian, CEC, New Delhi delivered the key note address.

The centre organized a national seminar-cum-workshop on the topic “*Current Trends In Bio-informatics*” on 8th and 9th August 2012 in association with departments of Biotechnology, Botany, Computer Science, Life Science and Zoology, University of Calicut. The centre organized one-day seminar on “*Visual Culture and Popular Imagination*” on October 12, 2012 in association with Department of English. Prof. Preminda Jacob, Department of Visual Art, University of Maryland, Baltimore County has done the keynote address.

Calicut EMMRC team engaged a session in the national conference on ‘*E-resources and E-learning: Challenges and Opportunities for Libraries*’, jointly organized by Department of Library Science and CHMK library, University of Calicut on 1st and 2nd February, 2013. The centre organized a two day national seminar on “Comprehending Films” in association with Post graduate departments of English and Malayalam, Zamorin’s Guruvayuppan College, Calicut on 1st & 2nd March, 2013.

Prakriti Documentary Film Festival:

The centre hosted the Prakriti – 2013 Documentary Film Festival of the Consortium for Educational Communication (CEC), New Delhi from 2nd to 4th of January / 2014. Prof. H. Devaraj, Hon’ble Vice Chairman, University Grants Commission (UGC) inaugurated the festival.

Launch of Webcast:

The centre launched the webcast of educational programmes. The webcast programmes can be viewed globally through <http://www.emmrcalicut.org/live.php>. In the ongoing first phase, educational video programmes, produced by the centre are used as the content for the webcast. Live syllabus based lecture programmes will be webcast in the second phase. Centre’s major proposal is to start regional language based web cast of educational content.

Multimedia Content Development:

The centre has successfully completed the first phase of e-content production on the subjects Mathematics and Education based on UG syllabus. Details of e-contents produced in first phase are as shown below:

Subject Allotted	Syllabus	No. of e-contents	Status of availability
Mathematics	B.Sc.	378	Uploaded to web for public use by CEC
Education	B.Ed	341	In the process of uploading by CEC

2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning, open educational resources and mobile education used by the faculty for effective teaching?

All the faculty members effectively use virtual libraries, e-learning, open educational resources, etc. frequently since this is a Wi-Fi campus.

- ◀ Virtual Laboratory facility available for digitalized learning in the Department of Zoology.
- ◀ E-learning facilities available in all the departments through internet connectivity. Every teacher has a laptop/desktop facility.
- ◀ Open educational resources used by the faculty and students for teaching and learning.

- ◀ E-mail correspondence implemented.
- ◀ Official email ID allotted to all staff members and students.
- ◀ Faculty members trained in user awareness programmes for the use of Open Source Learning.
- ◀ Use of ICT in the class room
- ◀ Subscription to many online journals.
- ◀ Subject specific databases such as INFLIBNET.

2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the University's educational processes?

Yes. The designated group integrates the benefits such as library portal which hosts a number of open access journals and scholarly open access magazines. The Library also conducts awareness programmes on annual basis regarding promotion of open access journals and data bases for the benefit of students and the teachers. The Internet Unit contributes significantly in dissemination of scholarly literature. In the use of software, concerned departments have a tradition of promoting Open Source Software. Some departments use Linux operating systems in a major way.

Most of the faculty are members of recognized academic bodies. There are many associations founded by the University faculty such as Indian Association for Angiosperm Taxonomy (IAAT), Gregor Mendel Foundation (GMF) etc. All of them are actively involved in organizing awareness programmes at various levels and motivate students by conducting various competitions in the area. They also publish journals and organize National or International seminars.

2.3.9 What steps has the University taken to orient traditional classrooms into 24x7 learning places?

At present we follow 9x5 learning schedule for the PG Programme. The M. Phil. and Ph. D. students have the freedom to follow 14x7 learning schedule, under the control of respective guides. In science departments there is 24x7 learning schedule for research scholars.

2.3.10 Is there a provision for the services of counselors/mentors/ advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.

Yes. There is an elaborate mechanism of adoption of students in groups by teachers for academic, personal and psycho-social guidance, which is provided through the following:

- ◀ Counselling facility offered at the time of admission enlightening the student on selection of courses, progression and placements.
- ◀ Guidance relating to placement opportunities offered by Departmental Placement Officers.
- ◀ Guidance relating to various opportunities offered by the University Placement Cell and their orientation programmes.
- ◀ Mentoring the students for preparation of state/national level examinations.

The duty of counselors/ mentors/ advisors for each class or group of students or researchers is taken up by Teacher-in-charge of the respective group. They regularly give advice to students in academic matters. However, for personal and social matters, the problems of the students

are dealt by the Student Advisory Committees of the Departments. If needed, psycho-social guidance is given to the students with the assistance of the professors of the Department of Psychology. Normally we have not encountered such problems over the past few years.

2.3.11 Were any innovative teaching approaches/methods/practices are adopted/put to use by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

Yes. The following innovative teaching approaches/methods/practices have been adopted by the faculty in the departments: e-learning, panel discussions, seminar presentations, group discussion, poster sharing among the research, brain storming on issues/problems of students.

All the members of the teaching staff use the innovative teaching approaches/methods/practices adopted/put to use in the Department by way of SMART BOARDS installed in the classrooms. This device together with the projectors & computers attached in each classroom helps the faculty in using the most effective and advanced teaching practices. Some of the innovative methods include:

- ◀ PTA scholarship covering semester fee for needy students.
- ◀ Study materials circulated through collective emails.
- ◀ Conduct of teacher-evaluation by the students to incorporate the creative criticism and to improve performance.
- ◀ Training classes for competitive exams such as NET.

2.3.12 How does the University create a culture of instilling and nurturing creativity and scientific temper among the learners?

The Departments create a culture of instilling and nurturing creativity and scientific temper among the learners by way of seminars and symposia conducted regularly and also by organizing lectures by Indian and foreign delegates. Creativity and scientific temper are instilled and nurtured through some programmes given below:

Programmes for Creativity Development:

1. A programme 'Anveshan' was organized for the development of students' creativity through projects. Projects can be in the form of live demonstration /models / posters and should be based on innovative ideas, in any given categories. Each college/institution can send a maximum of five entries in each category, irrespective of their levels (UG/PG/M.Phil-Ph.D.). In the first round, all contestants are expected to display their posters before a panel of judges.
2. Botanical garden Exhibition will be held once in two years with the support of Students, which will enable them to learn and develop ideas and disseminate to visitors.

2.3.13 Does the University consider student projects mandatory in the learning programme? If yes, for how many programmes have they been (percentage of total) made mandatory?

Yes. Around 80% of the course programmes have project work mandatory. Projects are compulsory form M.A., M.Ed., M.Com, M.Sc., MCA, MBA students that are evaluated by the external examiners. The students select the subject of their choice and the respective faculty members allot specific topics to the students and guide them effectively.

2.3.14 Does the University have a well qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

The requirements of the curriculum are taken care of by qualified pool of human resources. Since majority of the teaching posts are filled there is not so much of shortage in manpower. Wherever shortfall is noticed, the University makes use of the services of retired faculty, Adjunct Professors, and Emeritus Professors. Contract faculty/guest faculties are appointed where ever necessary.

2.3.15 How are the faculty enabled to prepare computer-aided teaching/learning materials? What are the facilities available in the University for such efforts?

- ◀ Workshops are conducted to guide faculty members for using ICT tools in teaching - learning.
- ◀ University has provided computers to the faculty members.
- ◀ Smart boards, LCD and laptops are provided to all PG Departments.
- ◀ Internet connectivity has also been expanded to classrooms.
- ◀ All classrooms are Wi-Fi connected.

The faculties are enabled to prepare computer aided teaching/learning materials. The facilities available in the University for such efforts include individual computers for teaching faculty, SMART BOARD, projectors and computers attached to the class rooms.

2.3.16 Does the University have a mechanism for the evaluation of teachers by the students/ alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

Yes. The University has a mechanism for the evaluation of teachers by the students. The evaluation feedback is used to improve the quality of the teaching-learning process. The feedback report of each faculty member is forwarded to the concerned Head of the Department. Creative criticisms are incorporated to redesign the teaching methods adopted by the faculty members to achieve improved performance.

2.4 Teacher Quality

2.4.1 How does the University plan and manage its human resources to meet the changing requirements of the curriculum?

The University plans and manages its human resources to meet the changing requirements of the curriculum by way of imparting regular orientation and refresher courses through the academic staff college. The syllabus of every department is revised periodically by taking into consideration the advancement of knowledge in the concerned subjects at national and international levels. The University plans and manages its human resources to cope with the changing requirements of curriculum in the following ways:

- ◀ The University organizes special workshops on the revised syllabi for its faculty members.
- ◀ The faculty members are deputed to attend refresher courses, training programmes and workshops as and when they are scheduled.
- ◀ Teachers are encouraged to participate in the workshops organized by reputed Universities/Institutes.
- ◀ The faculty is motivated to attend and participate in seminars, conference, video-conferences to acquaint themselves with advancement of knowledge and recent trends in the relative subjects.
- ◀ Departments are encouraged to organize workshops to orient college teachers on new topics/units introduced in syllabi.

2.4.2 Furnish details of the faculty

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc./D.Litt.	0	0	0	0	0	0	0
Ph.D.	27	5	39	12	42	11	136
M.Phil.	0	0	0	0	2	2	4
PG	0	0	1	1	1	5	8
Temporary Teachers							
Ph.D.	0	0	0	0	1	0	1
M.Phil.	0	0	0	0	7	2	9
PG	0	0	0	0	38	16	54
Part-time teachers							
Ph.D.	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0

Qualification of Permanent Faculty



2.4.3 Does the University encourage diversity in its faculty recruitment? Provide the following details (department/school-wise).

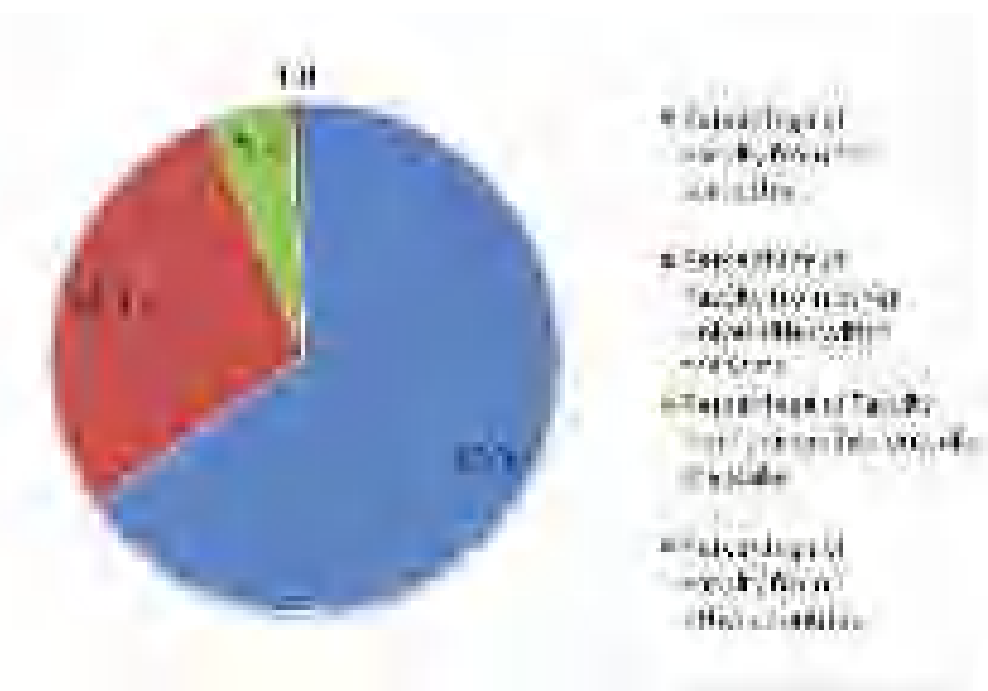
Yes. Diversity in faculty recruitment is maintained by advertisements in national newspapers and University website. The University ensures the quality of the teaching staff in all respects.

Diversity in Faculty Recruitment

Department	% of faculty from the same university	% of faculty from other universities within the State	% of faculty from universities outside the State	% of faculty from other countries
Botany	71	29	-	-
Arabic	100			
Biotechnology	25	75		
Chemistry	25	37.5	25	12.5
Computer Science		100		
Commerce & Management	60	40		
Economics	100			
English	33.33	66.67		
Education	100			
Folklore	100			
Hindi	14	86		
History	90	10		
Journalism and Mass Communication	80	20		
Library and Information Science	100			
Life Science	43	53		
Lifelong Learning and Extension	100			
Malayalam and Kerala Studies	100			
Mathematics	80	20		
Nano-Science and Technology	100			
Philosophy		100		
Physics	25	25	37.50	12.50
Psychology	60	20	20	
Physical Education			100	
Political Science	100			

Russian & Comparative Literature	0	50	50	
Sanskrit	25	50	25	
School of Drama	80	20		
Statistics	80	20		
Women's Studies	67	33		
Zoology	40	60		

Diversity in Faculty Recruitment



2.4.4 How does the University ensure that qualified faculty are appointed for new programmes / emerging areas of study (Biotechnology, Bioinformatics, Material Science, Nanotechnology, Comparative Media Studies, Diaspora Studies, Forensic Computing, Educational Leadership, etc.)? How many faculty members were appointed to teach new programmes during the last four years?

University ensures the recruitment of qualified and diversified faculty in the emerging areas of studies as per the requirements of the course curriculum. In order to ensure quality, vacancies are advertised and wide publicity is given through leading newspapers and University website, and appointment procedure is strictly followed as per UGC norms.

2.4.5 How many Emeritus/Adjunct Faculty/Visiting Professors are on the rolls of the University?

Emeritus Professors - 2

Adjunct Faculty - 4

2.4.6 What policies/systems are in place to academically recharge and rejuvenate teachers (e.g. providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/international conferences, etc.)?

The University has set policies to enhance the academic quality and research of the faculty by providing research grants out of its own sources in addition to the sponsored/individually applied/department initiated research programmes. This is ensured by:

1.
 - a) Sanctioning long duration study leaves to the faculty for the research within India and abroad.
 - b) Granting duty leave to the faculty for participating in national and international seminars, conferences, workshops and training; the financial assistance to the faculty being provided once in six months within the country and once in three years outside the country.
 - c) The faculty members are encouraged to submit major research projects to different funding agencies.
 - d) Grants provided to the Departments and affiliated colleges to organize seminars, conferences and workshops.
 - e) Attending faculty development programmes/training programmes.
 - f) Participating in National/International workshops/conferences/seminars, etc.
 - g) Carrying out research and publish in scholarly journals.
2. As per the guidelines of the UGC, teachers are deputed under Faculty Development Programme on study leave.
3. The departments are also encouraged to organize national and international seminars/conferences for which partial financial assistance is provided by the University in addition to the financial assistance by the funding agencies.
4. University of Calicut awards research grants up to Rs. 3 lakh for eligible faculty members.
5. Faculty members are provided with study leave for higher studies *viz.*, Post Doctoral Research (up to 5 years) as per the service rules and regulations.
6. Teaching faculty members regularly attend in-service training like Orientation and Refresher Courses either in the Academic Staff College, University of Calicut or in any other Universities.

2.4.7 How many faculty received awards/recognitions for excellence in teaching at the state, national and international level during the last four years?

The details of faculty members, who received awards/recognitions for excellence in teaching at the state, national and international level during the last five years are given below:

Sl. No.	Name	Title
1	Dr. P. Manimohan	Honorary Fellow of the Indian Mycological Society
2	Dr. M. Sabu	Prof. Panchanan Maheswari Gold Medal Fellow Indian Association for Angiosperm Taxonomy (FIAT).Elected Fellow of the Linnean Society, 2012. London (FLS).Fellow of the Indian Botanical Society (FBS) Prof. V.V. Sivarajan Gold Medal 2014 – Instituted by Indian Association for Angiosperm Taxonomy.Best Researcher Award 2012 of Calicut University – University of CalicutHonoured by naming two plants (<i>Musa sabuana & Amomum sabuanum</i>)
4	Dr. K.M. Jayaram	FIAT

5	Dr. Santhosh Nampy	FIAT, BOYSCAST, UGC Research Award
6	Dr. V.V. Radhakrishnan	FIAT, Commendation Fellow (ERRC)
7	Dr. Jos T. Puthur	BOYSCAST, Visiting Scientist (University of Bonn, Germany)
8	Dr. P. Sunojkumar	FIAT
9	Dr. A. K. Pradeep	FIAT
10	Prof. K.P. Mani	Jawharlal Nehru Gold Medal Award (2014) for his meritorious service in the field of education, the award instituted by GEPR
11	Dr. N.M. Muhammadali	Professional Excellecy Award of MASCAA
12	Dr. Baby Shari. P. A	Psychometric Education Award of Pondicherry Psychology Association in 2012 (National) Best Performance Award of In SPA in 2013 (National)
13	Smt. Sreeekumari S.	Honorary Professorship by the Russian Cultural Centre, Thiruvananthapuram

2.4.8 How many faculty underwent staff development programmes during the last four years (add any other programme if necessary)?

Details regarding staff development programmes attended by the faculty:

Staff Development Programmes

Academic Staff Development Programmes	Number of faculty
Refresher courses	49
HRD programmes	19
Orientation programmes	42
Staff training conducted by the University Seminar on Research Projects	51
Staff training conducted by other institutions	15
Summer/Winter schools, workshops, etc.	61

2.4.9 What percentage of the faculty have been invited as resource persons in Workshops/Seminars/Conferences organized by external professional agencies?

More than 40% of the faculty members have been invited as resource persons in Workshops/Seminars/Conferences organized by various external professional agencies.

2.4.10 How often does the University organize academic development programmes (e.g.: curriculum development, teaching-learning methods, examination reforms, content/knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?

University frequently organizes need-based academic development programmes for the faculty.

2.4.11 Does the University have a mechanism to encourage mobility of faculty between universities for teaching?

Yes. The faculty members and students are encouraged to visit other Universities/Institutes under MoUs, Visiting Facultyship and Visiting Professor. With the help of the scheme of Visiting Professor of UGC, the University invites senior professors from other universities to deliver lectures to students.

2.4.12 Faculty exchange programmes with national and international bodies? If yes, how have these schemes helped in enriching the quality of the faculty?

The Faculty exchange programme initiated at national and international level under MoUs help in at least two ways:

1. The faculty members and students in the Department are able to learn innovative teaching/learning practices and identify new research areas.
2. The teachers who visit other universities under this scheme also become aware of teaching-learning process, research areas and the curriculum in the other universities, which, in turn, helps them to update our curriculum and research areas.

2.5 Evaluation Process and Reforms

2.5.1 How does the University ensure that all the stakeholders are aware of the evaluation processes that are in place?

University of Calicut adopts the following mechanisms to ensure that all stakeholders are aware of the following evaluation processes:

- ◀ The guidelines relating to the conduct of evaluation procedures are also displayed in the University website (www.universityofcalicut.info).
- ◀ At the time of admission the Head of the Department explains to the student and the parents the evaluation criteria and the details of the course.
- ◀ The University conducts orientation sessions for the students during the first week of the first semester to explain the evaluation procedures.
- ◀ The academic calendar published by the CCSS office clearly depicts dates for conducting internal assessment tests and end semester final exams etc. It is circulated among students and also displayed in the notice boards and University website.
- ◀ A Course Coordinator from among the faculty is appointed for every semester.
- ◀ The Course Coordinator ensures that every student is informed about the evaluation procedures and complies with the requirements of internal assessment.
- ◀ PTA ensures that there is a close relationship between the family of the students and the department.
- ◀ There are representatives of stakeholders like students, NGOs, politicians, members of legislatures in the Academic Bodies like Syndicate, Senate and Academic Council.
- ◀ When it is found that students are weak in their studies, the faculty take appropriate supportive measures such as academic support and interaction with the parents.

2.5.2 What are the important examination reforms initiated by the University and to what extent have they been implemented in the University departments and affiliated colleges? Cite a few examples which have positively impacted the examination management system.

Choice Based Credit Semester System (CCSS): The University of Calicut offers Post Graduate programmes in a variety of disciplines. With a view to fulfilling its broad academic objectives and meeting the demands of the time, the University decided to restructure the regular PG programme conducted by the University Teaching Departments and introduced the CCSS w.e.f. 2008 admission onwards. We have a well framed regulation and a scheme on which the CCSS runs smoothly in various teaching departments of the University.

Under the CCSS we had a total student strength of about 465, initially, spread across 23 teaching departments in 27 PG programmes. In 2011, the total strength reached 592 of the 25 departments in 30 PG programmes. Except for the Departments of Education and Biotechnology, all regular PG programmes of the teaching departments are now under the CCSS.

It is glaring to note that, despite many odds, the University has made gains on the academic fronts during the last 4-5 years. The University saw many academic, infrastructural, administrative and social initiatives. The introduction of CCSS has been well praised by the previous NAAC peer team last time.

It is satisfying to note that we were able to streamline the functioning of the system by effective co-ordination of activities of the participating departments, including examinations. The overlapping semesters and lagging of programmes have become past agonies. This major reform has been implemented after many discussions, well thought out exercises and deliberations by the entire academic community of the campus. Certainly this initiative has proved to be a big success. It is remarkable that the Pareeksha Bhavan has adapted so well to the reform and facilitated online registration for end-semester, examinations, delivery of hall tickets to the Departments online and publication of results. The smooth conduct of the examinations and publication of final results should instill a lot of confidence in the minds of students and teachers about the reform. The University has worked hard to put these reforms into practice.

2.5.3 What is the average time taken by the University for declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode/media adopted by the University for the publication of examination results (*e.g.* website, SMS, email, etc.).

The time taken for declaration of examination results is 30 clear working days (for final semester) and 60 clear working days (for other semesters) after the end of the examinations. In the instances where delay occurs, centralized valuation camps are conducted co-opting teachers from Government/Aided Colleges and also experienced teachers from Unaided Colleges. Further cluster valuation camps are introduced where the answer scripts are directly taken to the cluster camps instead of bringing them to the University for false numbering. Results are published in the University website and also forwarded to the colleges and the concerned examination centres through e-mail.

2.5.4 How does the University ensure transparency in the evaluation process? What are the rigorous features introduced by the University to ensure confidentiality?

Transparency:

- ◀ University continuously and scrupulously maintains transparency in evaluation process.
- ◀ The mid semester answer sheets are handed over to the students within one week of the examination along with marks scored.
- ◀ For attendance every department keeps an attendance book.
- ◀ Any complaints regarding evaluation can be placed before the Head of the Department/ Department Council concerned.
- ◀ The Assignments and Seminars are also evaluated by the teachers of the respective courses.
- ◀ Assignments and seminars are submitted in hard copy format and marks are announced after evaluation.

- ◀ The written papers of all the semesters are subjected to double valuation. If there is a variation of more than 15 % marks awarded by the external and internal examiners, then the papers are sent for third valuation by the Chairman.
- ◀ A grievance cell is constituted by the CSS to address the grievance of the students.

Confidentiality:

- ◀ Question papers are set confidentially. It is directly forwarded to the printer whose identity is confidential. Sealed packages from the printer are collected and distributed to the examination centres. Three sets of papers are collected and one out of them is selected by the designated higher authority.
- ◀ False numbering system is followed in the University for the past many years, which is aimed at keeping the confidentiality of the examination and so far no complaints has been received. However it is found that the false numbering system is a time consuming process which leads to delay in the publication of results. Hence, a new system called 'role register number system' is being introduced instead of false numbering system. The answer scripts will be taken directly to Centralised valuation camps without being brought to the University for false numbering with the expectation that the result is published within the shortest span of time. Indeed, the University is taking utmost care in ensuring the confidentiality of the examination system.

2.5.5 Does the University have an integrated examination platform for the following processes?

Pre-examination processes:

- ◀ Time table generation: Mid-semester timetable is prepared by the Head of the Department in accordance with the Academic Calendar.
- ◀ End-semester time table generation is done by the EG-1 Section of Pareeksha Bhavan. The time table prepared by the section after getting approved by the Controller of Examinations is published through the official website of the University.
- ◀ Online payment: University has introduced e-payment system to remit examination fees by way of e-chalan. This will benefit the students for the easy payment of examination related fees in the University fund.
- ◀ Student list generation: As soon as the last date is fixed for the registration of a particular examination through the link provided by the Digital Wing is over, the student list is generated by the digital wing. Hall tickets are also issued online.
- ◀ The question paper is despatched prior to the examination. The sealed packet is kept in safe custody of the Head of the Department.

Examination process:

- ◀ **Examination Material Management:** Materials required for the conduct of examinations are supplied by the Monitoring Cell functioning in the Pareeksha Bhavan.
- ◀ **Invigilation:** Chief Superintendents/Additional Chief Superintendents are appointed for all examination centres by the Controller of Examinations for the smooth conduct of examinations as per rules and regulations. The Head of the Department concerned is entrusted to appoint invigilators required for the conduct of examinations at that centre as per University rules. One invigilator for 30 candidates is posted as per the existing norms.
- ◀ **Squad:** Vigilance squad is constituted by the University headed by the Syndicate Members to conduct inspection of examination centres. Squad is effectively functioning

to prevent malpractices in the conduct of examinations. The Controller of Examinations also conduct lightning visit at the examination centres to ensure that all rules are complied with.

- ◀ **Attendance sheet:** Attendance sheets prepared by the invigilators of examination halls are forwarded to the University for verification.
- ◀ The stock position of examination answer sheets, packing covers etc. are maintained in stock registers.

Post-examination process:

Valuation:

- ◀ **Departments:** The valuation answer sheets are done in the Department itself in a centralised mode with external and internal examiners.
- ◀ **Affiliated colleges:** As soon as the examinations are over, the answer scripts collected from the examinations centres are brought to the Pareeksha Bhavan. False numbering of the scripts is done in the Pareeksha Bhavan. Then it is sent to the valuation camps. After the valuation, mark sheets are sent to the Pareeksha Bhavan for tabulation.

Publication of Results:

- ◀ On completion of tabulation process, results are finalized and published through the University website. Subsequently, marklists and certificates are issued. All the activities are properly conducted on the basis of a post-exam schedule in respect of each examination approved by the Controller of Examinations.
- ◀ The result processing works are done in one location at Department/CE.
- ◀ The processed results are submitted to the Pass Board for approval.
- ◀ After the publication of the final results, certificates are issued to eligible students.

2.5.6 Has the University introduced any reforms in its Ph.D. evaluation process?

The University has set up a Directorate of research exclusively for monitoring the research activities including projects.

- ◀ Presently Preliminary Qualifying Examination for Ph.D. is conducted by Pareeksha Bhavan. All examinations/evaluation of Ph.D. programmes are conducted by the Directorate of Research.
- ◀ To help the students understand the fundamentals of research methodology, the University of Calicut has introduced one semester course work mandatory for all students. Students have to clear the course work within two years of registration. Course work contains two papers out of which the first paper is Research Methodology and the other from the research area itself. The syllabus of Research Methodology paper is prepared subject-wise.
- ◀ Pre-Submission Viva is conducted before registration. The Doctoral committee consists of the Dean of the faculty, senior Professors of the department and the supervising teacher. The final draft of the synopsis is presented and suggestions proposed by the committee are incorporated in the synopsis. Policy on Prevention of Plagiarism has been implemented and a Plagiarism Check Certificate has been made mandatory. It is mandatory that the research scholars must publish one research paper in recognised research journals of the faculty concerned.
- ◀ The theses are adjudicated by external examiners.

- ◀ Best of the two reports, on adjudication, are considered for the award of the Degree.
- ◀ As the result of digitization, the communication with adjudicators through electronic media is promoted, which saves time, and facilitates speedy announcement of the result make possible.
- ◀ The degree is awarded with effect from the date of approval by the Syndicate.

2.5.7 Has the University created any provision for including the name of the college in the degree certificate?

At present there is no provision for including the name of the college in the degree certificate. But in case of autonomous colleges under the University there is provision to include the name of the college, provided the college requests for the same.

2.5.8 What is the mechanism for redressal of grievances with reference to examinations?

- ◀ University has established a Students Grievance Redressal Cell to redress all the grievances of students.
- ◀ Quick and efficient revaluation system, providing of photocopy of the answer scripts, provision of scrutiny of mark list etc. have been implemented effectively in favour of the student community.
- ◀ Student adalath is also conducted to redress the grievance of students.
- ◀ Complaints related to the questions papers are forwarded to the concerned Boards of Studies for remarks and suggestions and actions taken in tune with the recommendation of the Board.
- ◀ The Complaints/grievances of unique nature are usually referred to the Syndicate Standing Committee on Examinations for appropriate action.

2.5.9 What efforts have been made by the University to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division/section.

The work in the Pareeksha Bhavan is decentralized under seven Branch Heads for the purpose of administrative efficiency, quick governance and to provide better service to the student community. The Branch Head is designated as Joint Controller of Examinations (JCE) with total responsibility of each division. The Revaluation Branch is also decentralized and functions under concerned Joint Controller of Examinations. However all the branches are efficiently monitored by the Controller of Examinations by conducting frequent meetings and discussions. Overall policy decisions are taken by the Controller of Examinations in consultation with the higher authorities. A decentralized and participative style of management and control has been introduced in the Pareeksha Bhavan.

A fully equipped Digital Wing and Centralized Monitoring Cell are the highlights of Pareeksha Bhavan. They work in perfect coordination with all the branches of Pareeksha Bhavan. To expedite file processing, Digital Documentation and Filing System (DDFS) has been introduced and the Pareeksha Bhavan is totally digitized starting from receiving the online application for examinations till the issue of degree certificates. Pareeksha Bhavan provides online verification facility of degree certificates and the digitization of TR is progressing.

A separate branch for Distance Education under JCE-VIII was formed after the introduction of Choice Based Credit Semester System (CBCSS) at degree level. A Special Supplementary Unit was formed under Pareeksha Bhavan to provide an additional chance for students to

complete their courses with syllabus for which regular examinations are not conducted presently.

Major achievements:

Pareeksha Bhavan conducts examinations of 437 programmes and question papers were set for 10603 examinations in the year 2013-14. In addition to these, the University conducts various special examinations and special supplementary examinations for the benefit of students. To provide a better and efficient service to students, majority of the works related to examinations are being computerized. Now for almost all the examinations conducted by the University, the candidates can submit the applications online and download the hall tickets from the University website. The Digital Wing has developed software for the processing of marks and issue of computer generated degree certificates with hologram for UG/PG courses. The Digital wing publishes results online. The results can be accessed through the website, www.Universityofcalicut.info.

Pareeksha Bhavan is the University's most importance interface with its students. To provide fast and efficient services to the students, Front Office system has been introduced. Front Office is now working in Tagore Niketan. One staff from each branch of Pareeksha Bhavan is deputed to Front Office. e-payment system has been launched that would benefit thousands of students. The new online system will help the students under the University to avoid travelling to varsity merely to pay the fees. Students can now pay fees by way of e-chalan/e-payment through www.Universityofcalicut.info.

Major achievements during 2014-15:

- ◀ Final semester UG results in 45 days, first among in conventional Universities in Kerala.
- ◀ Final semester B.Tech. result in 60 days.
- ◀ Final semester SDE results in 51 days (record time).
- ◀ PG results 1 – 2 months earlier compared to last year.
- ◀ Introduced the practice of post exam schedule to monitor results.
- ◀ Introduced toppers award programme.
- ◀ Conducted students adalath.
- ◀ Special drive made to expedite revaluations.
- ◀ Eleven new servers purchased for Pareeksha Bhavan.
- ◀ Digitization of TRs started.
- ◀ Valuation of answer scripts of SDE students without false numbers.
- ◀ 208 e-mail complaints/messages of students responded in last four months.
- ◀ Revamped the financial management at Pareeksha Bhavan-payments made through bank-started keeping scroll book-zero cash balance maintained.
- ◀ Pendency of all sorts brought down considerably and the Pareeksha Bhavan is marching towards a state of no pending status.
- ◀ Degree certificates are issued in 3 days in urgent cases.
- ◀ Online genuineness verification of degree certificates.

2.6. Student Performance and Learning Outcomes

2.6.1 Has the University articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?

The UGC curriculum emphasizes and highlights the importance of knowledge, development of skill, technology application, communication and presentation ability and research culture and ethics. The University too, in its Mission, speaks of these attributes to be achieved. The post-graduate courses are planned and designed to achieve the articulated attributes set by the UGC as well as the University. This is done through teaching, learning and evaluation process by adopting participative learning.

Writing ability and presentation-communication are inculcated through seminars using PPT followed by interaction session. Home assignments and report writing improves the writing ability. Knowledge, research culture and ethics are indoctrinated through a number of special lectures and invited lectures in the study centres and departments. The University facilitates their implementation by providing adequate support services and infrastructure.

2.6.2 Does the University have clearly stated learning outcomes for its academic programmes? If yes, give details on how the students and staff are made aware of these?

The learning outcomes are clearly stated in the curriculum of each course. The staff discusses the expected learning outcomes at the induction of the students at departmental levels. Planning of the lessons semester wise and its implementation by the faculty is done keeping in view the learning outcome. The basic objective of the teaching learning process is to enable the students achieve the stipulated level of knowledge acquisition and skill development as required in the syllabus prescribed by the University. Each department takes special care to have its own specific learning outcome catering to the needs of research institutes and employment market. The students are made aware of these by the departments during the time of admission and through the induction classes organized in the beginning of each semester. The learner is acquainted with the learning outcomes at the induction programme by the departmental faculty

2.6.3 How are the University's teaching, learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?

- ◀ The teaching, learning and assessment strategies are structured right from framing the curriculum and preparing the annual plan by the departments and Boards of Studies. The students soon after the induction programme are updated with the information relating to time table and the academic programme.
- ◀ Learners are assessed through the informal interaction at the end of each teaching session and doubts of the learners are cleared. Internal assessment scheme, home assignments, seminar presentations, small project reports and mid-term exams as well as semester exams are the assessment strategies structured to facilitate the achievement of the intended learning outcomes.
- ◀ The University has structured committees like Guidance Cell, Placement Cell, Counselling Cell, Environmental Cell, etc attached to several departments to help the students to orient themselves in relation to specific aims.

2.6.4 How does the University collect and analyse data on student learning outcomes and use it to overcome the barriers to learning?

The learning outcomes are collected through the regular informal interaction in the classes, periodical tests, internal assessment scheme, home assignments, seminar presentations, small project reports and mid-term examination as well as semester examinations. The respective teachers discuss in staff meetings the common areas and difficulties such as language and communication skills, problems of technology awareness faced by the students. These are discussed and addressed in a common manner in the classrooms for the benefit of all students in general.

Slow learners are identified and counseled individually in case of specific difficulties, and the staff members themselves work out the strategies suitable to overcome the barriers. The University has provision of remedial coaching for the backward students, where areas of difficulty as per their requirement are addressed. Satisfactory and high level learners are also motivated and provided guidance to keep up and do still better. Scholarships provided by the Government, research institutes, UGC as well as the University definitely motivate the learners.

2.6.5 What are the new technologies deployed by the University in enhancing student learning and evaluation and how does it seek to meet fresh/ future challenges?

The University has deployed and facilitated the new technology by providing campus network, central internet facility in the library with a common computer centre which caters to the needs of all students. The library is well- equipped with adequate facilities to access the e-journals, e-books and open source information resources. Hostels are also provided with internet facility. The PG departments are well equipped with teaching aids like computers, PA system, smart board and LCD. Every classroom is connected with internet facilities. Many teachers use LCD in the classrooms for effective teaching and students use it for their seminar/project presentations. The students are free to interact and get their doubts cleared in the classroom itself. Increased infrastructural facilities developed over the years have enabled the teachers to be more effective in imparting the latest developments to the student community both by teaching and by counseling.

The evaluation process is absolutely transparent, secure and technology based. The internal assessment marks are notified on the department notice-boards and discrepancies if any, are attended immediately. There is a provision for re-totaling, revaluation and providing photo copies of the answer scripts. The examination section takes minimum time to respond the examination related queries by the students. The feedback of the teachers from students also helps in enhancing the teaching learning capabilities by overcoming the barriers.



Criterion-III
RESEARCH, CONSULTANCY AND EXTENSION

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

3.1 Introduction

The University is known for its efforts for achieving excellence in research, consultancy and extension. The social science departments work to link activities with villages while the science departments work towards development of new knowledge and its dissemination to the society. Directorates have been set up for Research and Consultancy Services in the University.

- 3.1.1 Does the University have a Research Committee to monitor and address issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

Yes. Research Council with Vice-Chancellor as Chairman and Director, Directorate of Research as Convener. Grievances related to research are addressed by the Research Council. A comprehensive regulation has been formulated as per the UGC Research Regulations 2010.

- 3.1.2 What is the policy of the University to promote research in its affiliated/ constituent colleges?

The Directorate of Research, established in 2012, is envisioned to provide effective and fruitful co-ordination of research activities of University of Calicut, through its 140 approved Research Centres (37 University Department Centres and 103 other approved research centres) with 437 research guides, spread over South India, mainly centered in the Malabar region of Kerala State. The Directorate of Research is bound to promote, administer, supervise and guide researchers and the faculty. Juxtaposed to academic research, research projects also need to be focused and promoted, especially to address the challenges and issues on the frontier areas. Apart from ensuring proper implementation of research projects through efficient monitoring and evaluation, efforts have been taken to ensure that more research funds are being mobilized to the University for the promotion of research and to get it operated in a hazard-free and investigator-friendly manner. The highlights of the activities in 2014 are:

- ◀ Increase in number of Ph.D. enrollment and award.
- ◀ Disbursement of fellowships through e-payment.
- ◀ Initiation of admission process for the new batch of M.Phil. and Ph. D. students
- ◀ Initiation for the revision of Research Regulation.
- ◀ Regulation of Ph.D. has been thoroughly revised for ensuring more access to Research
- ◀ New Research Centers were instituted in the Affiliated Colleges with facilities.
- ◀ Research Supervisors were recognized afresh and re-inducted the Retired Professors.

The Directorate of Research thrives for enhancing quality of research, extending easy access to research opportunities, and thus to enhance thoughts of excellence – with the perspective to transform the University of Calicut as a “hot-spot” for quality research at par with international standards.

The questions of **access** and **quality** are being addressed by global community with regard to education. The research policy of Calicut University has duly emphasized on this two towering goals and policy tools have been designed and implemented. Quality, probably,

will be the most debated issue and so vital to the relevance of research activities. A series of attempts have been made in this regard. DoR has, designed a multi pronged strategy for enhancing the quality of all the research output in the Calicut University.

As an attempt to motivate the young researchers of approved Research Centres, **Vice Chancellor's Medals for Best Research Paper and Best Thesis** are awarded annually, separately for Science and Non-Science Faculties. The **Best Publication and the Best Thesis** will be identified and awarded with the above medals by a celebrity on a day coined as **Researchers Day**.

List of Research centres including affiliated colleges

Sl. No.	Subject	2011	2012	2013	2014	2015(upto 20-4-15)
1.	Botany	2	1	2	1	1
2.	Chemistry	-	2	-	2	-
3.	Mathematics	1	1	-	-	3
4.	Physics	1	1	3	-	-
5.	Zoology	1	-	-	1	-
6.	Statistics	-	-	1	-	-
7.	Computer Science	-	-	1	-	-
8.	Electronics & Communication Engineering	-	-	-	1	-
9.	English	1	1	-	1	-
10.	Malayalam	-	-	1	-	-
11.	History	2	-	-	-	1
12.	Philosophy	1	-	-	-	-
13.	Commerce	-	3	1	1	1
14.	Education	-	1	-	-	-
15.	Economics	-	-	2	2	-
16.	Political Science	-	-	-	-	1
17.	Forest Management & Utilisation	-	-	-	-	1
18.	Dept. of Silvi Culture & Agroforestry	-	-	-	-	1
19.	Tree Physiology & Breeding	-	-	-	-	1
20.	Wood Science	-	-	-	-	1
21.	Wildlife Sciences	-	-	-	-	1
22.	Mahakavi Moyinkutty Vaidyar Mappila Kala Academy (Reference Centre)	-	-	-	-	1
23.	Physical Education	1	-	-	-	-
24.	Psychology	-	-	-	-	1

Details of Research Guides Newly Recognized in Departments and Other Centres

Sl. No.	Subject	2011		2012		2013		2014		2015	
		Uty.	Others	Uty.	Others	Uty.	Others	Uty.	Others	Uty.	Others
1.	Malayalam	-	-	4	3	3	-	2	7	1	2
2.	Hindi	-	-	1	1	-	1	-	-	-	-
3.	Arabic	-	-	1	1	2	1	-	1	-	-
4.	Tamil	-	2	-	-	-	2	-	-	-	-
5.	English	-	2	-	4	-	2	-	3	-	-
6.	Botany	-	-	4	8	1	2	-	13	-	3
7.	Physics	-	4	1	3	-	1	1	9	-	-
8.	Zoology	5	-	1	1	-	-	-	6	-	3
9.	Statistics	-	-	-	-	-	1	-	3	-	-
10.	Mathematics	-	2	2	1	-	-	-	-	-	-
11.	Chemistry	1	3	3	12	-	7	-	2	-	1
12.	Biochemistry	-	-	2	-	1	-	-	1	-	-
13.	Electrical Engineering	-	2	-	4	-	-	-	-	-	-
14.	Civil Engineering	-	-	-	1	-	-	-	-	-	-
15.	Chemical Engineering	-	-	-	-	1	-	-	-	-	-
16.	Mechanical Engineering	-	-	-	2	-	1	-	2	-	-
17.	Electronics Engineering	-	-	-	-	-	-	-	1	-	1
18.	Library & Information Science	-	-	-	-	1	-	1	-	-	-
19.	Economics	1	-	-	-	2	2	1	1	-	-
20.	Computer Science	-	-	1	-	-	-	-	2	-	-
21.	Physical Education	-	-	3	-	-	-	-	-	-	-
22.	Philosophy	1	-	-	-	-	-	-	-	-	-

3.1.3. What are the proactive mechanisms adopted by the University to facilitate the smooth implementation of research schemes/projects?

- ◀ One time sanction
- ◀ Simplification of procedures related to sanctions/purchases to be made by the investigators
- ◀ Autonomy to the Principal Investigator/Coordinator for utilising overhead charges
- ◀ Timely release of grants

- ◀ Timely auditing
- ◀ Submission of utilisation certificate to the funding agencies
- ◀ Seed money for facilitating submission of new research projects

3.1.4 How is the interdisciplinary research promoted?

Between/among different Departments/Schools of the University: School system has been introduced to promote research in which different department will be involved.

Collaboration with National/International Institutes/Industries:

Registration to research in interdisciplinary subjects is granted based on the remarks of the concerned authorities.

3.1.5 Give details of workshops/training programmes/sensitization programmes conducted by the University to promote a research culture on campus.

The University has organized the following orientation programmes to promote research culture for the faculty and students.

- ◀ Seminar on “One Faculty One Project” - Chief Guest: Dr. Urmila Devi from UGC, New Delhi
- ◀ Orientation programme on Fulbright Fellowships – ‘The Art of Writing Research Project Proposals’
- ◀ Research Excellence Awards initiated.
- ◀ One Faculty – One Research Project Scheme.
- ◀ National and International seminars/workshops.

Various Departments and faculty members have conducted/attended workshops and seminars (See Annexure III).

3.1.6 Details of researchers of eminence visited the Department/campus as adjunct professors? What is the impact of such efforts on the research activities?

1. Padma Sri Dr. M. Vijayan, Homi Bhabha Professor, IISc, Bangalore - Form and functions in Proteins - 10.10.2011.
2. Dr. Rajeev Sukumaran - Ethanol from biomass- technical challenges and future perspective - 23.08.2011.
3. Prof. (Dr.) Alexander Domling, University of Pittsburg, USA - The new ANCHOR, QUERY approach during discovery in the therapeutic area of cancer - 10-14 January 2011.
4. Prof. (Dr.) Jagadese J. Vittal, National University of Singapore, Singapore –Solid state reactivity and clavetiral learns formations - 21-24 February 2011.
5. Prof. A. Sreekrishna, IISc, Bangalore - Enantiospecific synthesis of phytoalexins solavetivones and solanascones – 31.01.2012.
6. Dr Bijitha Balan, Osaka University Japan - Photo physics of organic molecules and materials – 14.02.2012.
7. Dr.Suresh C. Pillai, Dublin Institute of Technology, Ireland – 22.08.2012
8. Dinesh P.Amalnerkar, Ex. Director, C-MET, Pune - Functional Electronic Materials - 05.12.2012.
9. Dr. A Ajayaghosh, Director, NIIST - Pi Gels for light harvesting materials to sensors – 11.03.2013

10. Dr. Thomas Mathew, University of Southern California - Fluoroalkylation in the search for therapeutic leads – 05.06.2013.
11. Dr. Babu Varghese, IIT Madras - Imaging Molecule by X-ray diffraction – 20.06.2013.
12. Prof. A.K. Mishra, IIT, Mumbai - Fluorescence Spectroscopy- 10.01.2014.
13. Padmasri Dr. E.D. Jemmis, IISc, Bangalore - Boron Chemistry - 20.03.2014.
14. Padma Bhushan Prof. P. Balaram, Indian Institute of Science, Bangalore - Chemical diversity in biology – 07.11./2014.
15. Prof. (Dr.) G. Vijay Nair, CSIR-NIIST, Thiruvananthapuram- Enchanting world of Organic Chemistry – 25.11.2014.
16. Dr. Shihab Ghanem, Tagore Peace Award Winner.
17. Dr. Dhaifullah Al Matrudi, Cultural Attache, Embassy Kingdom of Saudi Arabia, New Delhi.
18. Dr. Jahir Hussain, Chair, Dept. of Arabic, University of Madras.
19. Dr. Mariyam Shenasi, UAE.
20. Mr. Mahmoud Saeed, USA.
21. Dr. V.P. Mohammed Kutty, Toronto.
22. Dr. K.K.N. Kurup, Former Vice Chancellor, University of Calicut.
23. Prof. (Dr.) Numan Khan, Professor & Head, Department of Arabic, Delhi University.
24. Dr. Saidalavi, Aligarh, AMU.
25. Dr. Muzaffar Alam, EFLU.
26. Dr. Mazin Almasoudi, Ambassador, League of Arab States Mission.
27. Dr. Mathew J Manimala, Senior Professor, IIM, Bangalore.
28. K.P.Narayanan, Sr. General Manager, (Advertisement), Mathrubhumi, Calicut.
29. G. Anand, General Manager, (HRM), Mathrubhumi, Calicut.
30. K Murali, Assistant Manager, (HRM), Mathrubhumi, Calicut.
31. M.K.Krishnamoorthi, Sr. Manager, Times of India.
32. Prof. D. Badar Alam Iqbal, HOD and Former Dean, Dept. of Commerce, Aligargh Muslim University, Aligargh.
33. Dr. S. Sudalai Muthu, Chairman, School of Management, Alagappa University, Karaikudi, Tamil Nadu.
34. Dr. Sankaranarayanan, School of Management, Bharathiar University, Coimbatore, Tamil Nadu.
35. Prof. Simon Thattil, Dept of Commerce, University of Kerala, Thiruvananthapuram.
36. Venugopal C. Govind, Chartered Accountant, Ernakulam.
37. Prof. (Dr.) Saji Gopinath, IIM, Kozhikode.
38. K.P.Rajendran, Chartered Accountant, Calicut.
39. Prof. P.T. Raveendran, Dept of Management Studies, Kannur University, Kannur.
40. Prof. Nanda Kumar, Dept. of Commerce, Goa University, Goa.
41. Prof. T.N. Mallikarjunappa, Chairman, Dept of Business Administration, Mangalore University, Mangalore.
42. Prof. (Dr) M. Bhasi, Director, School of Management Studies, CUSAT, Kochi, Kerala.
43. Dr.V.K.Vijaya Kumar, Investment Strategist, Coimbatore.

44. Prof. Dilip Menon, Wits University, South Africa.
45. Prof. Waltraud Ernst, Tübingen University.
46. Prof. J.B.P. More, INSEEC, Paris.
47. Prof. M.G.S. Narayanan, Former Director, ICHR.
48. Jill Isaac, North Atlantic University.
49. Prof. Jerry Converse, Washington University.
50. Dr Narayana Moorthy, Scientist (Retd), Central Tuber Crops Research Institute, Thiruvananthapuram.
51. Prof. (Dr) Haridas, Director, Inter University Center for Biotechnology, Kannur University.
52. Dr. Roberto Capote Noy, Nuclear Data Section, IAEA, Vienna.
53. Prof. U. J. Sofia, American University, USA.
54. Prof. C. Ranganathiah, Mysore University.
55. Dr. P. Sreekumar, Director, IIA, Bangalore
56. Prof. S.V. S Murthy, Senior Professor, Physical Research Laboratory, Ahmedabad
57. Prof. N. M. Badiger, Karnatak University, Dharwad.
58. Prof. Kamales Kar, Saha Institute of Nuclear Physics (SINP), Kolkata.
59. Prof. Prajul Sastri, Indian Institute of Astrophysics (IIA), Bangalore.
60. Prof. Jugul Murthy, IIA, Bangalore.
61. Prof. V. C. Kuriakose, CUSAT, Cochin.
62. Prof. Naba K.Mandal, Senior Professor, India-based Neutrino Observatory, Dept. High Energy Physics TIFR, Mumbai
63. Prof. D. Indumathi, Institute of Mathematical Sciences, Chennai.
64. Prof. B. M. Arora, IIT Mumbai.
65. Prof. B. Eswar Reddy, Indian Institute of Astrophysics, Bangalore.
66. Dr. K. Sankara Subramaniam, ISRO Satellite Centre, Bangalore.
67. Dr. Y. Narayana, Mangalore University.
68. Dr. K.M. Balakrishna, Mangalore University.
69. Prof. B. Raghavendra Prasad, IIA, Bangalore.
70. Dr. K. V. Pramod, CUSAT, Cochin.
71. Dr. S. Narayana Kalkura, Anna University, Chennai.
72. Prof. M. Sabir, Department of Physics, CUSAT, Cochin.
73. Prof. Ramesh Babu T, Department of Physics, CUSAT, Cochin.
74. Prof. K. V. S. R. Prasad, Dept. of Materiology and Oceanography, Andra University.
75. Prof. Mohanan P. K., Director, Ooty Radio Observatory.
76. Dr. V.M. Datar, Head, Nuclear Physics Division, BARC, Mumbai.
77. Dr. Alok Saxena, Convener, NDPCI, DAE.
78. Dr. Surya Narayana, Nuclear Physics Division, BARC, Mumbai.
79. Prof. Giriswar Mishra, Wardha University,
80. Prof. Nov Rattan Sharma, Rothak University.
81. Prof. V. D. Swaminadhan, University of Madras.

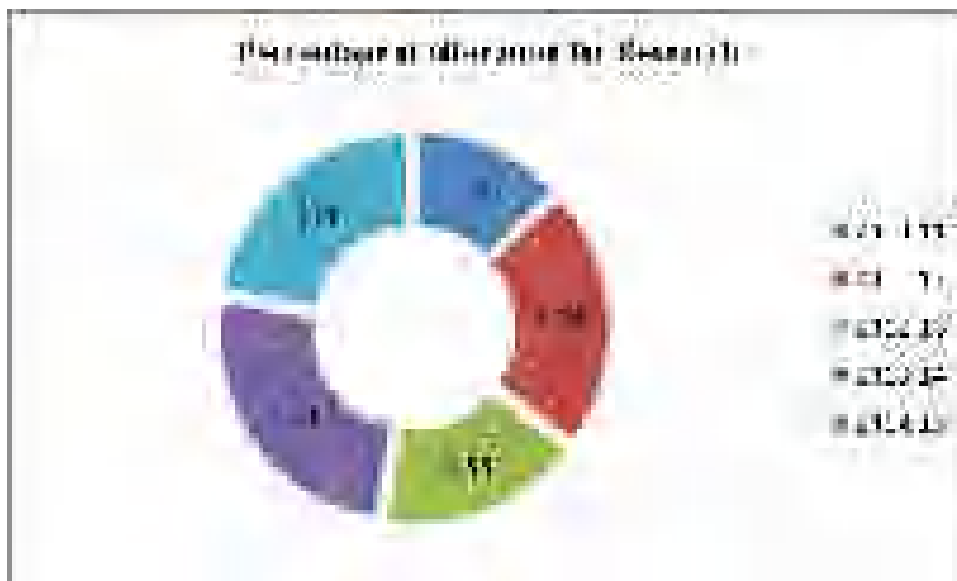
82. Prof. John Michael Raj, Bharatiar University, Coimbatore.
83. Prof. Ashok Nagpal, ambedkar Central University.
84. Prof. Neelam Sood, Department of School and Nonformal Education, NUEPA
85. Prof. Romate John, Bangalore University.
86. Dr. Vijayan Kumar, Centre for Social & Organization Leadership, TISS, Mumbai.
87. Reghu Raghavan, Northermbia University, U.K.
88. Dr. M. Kumaran, Director, Department of Statistical Sciences, Kannur University.
89. Prof. (Dr.) P. Nagabhushan, Department of Studies in Computer Science, University of Mysore.
90. Mr. Ameer Pichan, Researcher & Consultant, Cyber security and Forensics, Curtin University of Technology, Australia.
91. Prof. (Dr) Vineeth Paleri, Department of Computer Science & Engineering, NIT, Calicut.
92. Dr. Kumar Rajamani, Research Engineer, GE Global Research, Bangalore.
93. Dr. K N Harilal, Professor, CDS, Thiruvananthapuram.
94. Dr. Paul A Kattuman, Associate Professor, Cambridge Business School, University of Cambridge.
95. Dr. K. S. Hari, Gokhale Institute of Politics and Economics, Pune.
96. Dr. Ramaanjaneyulu, Professor, Bangalore University.
97. Dr. Jayan Jose Thomas, Associate Professor, IIT, Delhi.
98. Thomas Mathew, Former Chairman, LIC of India.
99. Prof. K. K. George, Chairman, CSES.
100. R. Mohan, Additional Director, Income Tax Department.
101. Prof. Bino Paul, Professor, Tata Institute, Mumbai
102. Prof. (Dr). A.K. Ramakrishnan, Professor and Director, School of International Studies, Jawaharlal Nehru University, New Delhi.
103. Ms. Rekha Raj, Dalit Feminist Writer and Activist.

The efforts have significantly enhanced the University curriculum and research interactions with industries and private sectors.

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

Recently the Directorate of Research is permitted to operate a budget head with total allocation of Rs. 7 lakhs regarding payment of remuneration bills related to research and 1.2 crores for research fellowships. Details of expenditure incurred is is given below.

Year	Percentage of allocation
2010-11	1.90
2011-12	3.29
2012-13	2.55
2013-14	3.68
2014-15	3.28



3.1.8 In its budget, does the University earmark funds for promoting research in its affiliated colleges? If yes, provide details.

The College Development Council assists affiliated colleges to procure grants and other assistance from UGC. The College Development Council undertakes the monitoring of the utilization of these grants. The funds received from UGC are aimed at infrastructure development as well as promoting research in affiliated colleges. Research guides and scholars from affiliated colleges and institutes are given orientation programmes for promotion of research and mobilizing funds from funding agencies. No amount is earmarked for promoting research in affiliated colleges presently.

3.1.9 Does the University encourage research by awarding Post Doctoral Fellowships/Research Associateships? If yes, provide details like number of students registered, funding by the University and other sources.

Yes. The details of the students registered as Post Doctoral Fellows, are as follows:

Sl. No.	Name of the Student	Date of Joining	Funding Agency
1.	Dr. Dollymol. M.A., Department of Botany	03-05-2014	UGC
2.	Dr. Haseena. P, Department of Arabic	03-05-2014	“
3.	Dr. Jibin. V.K., Department of Education	18-02-2015	“
4.	Dr. Susmitha Poddar, School of Folklore Studies	28-03-2011	UGC
5	Dr. Jaya T.P.	2013-2016	KSCSTE
6	Priji Prakasan, Department of Botany	2013-2016	KSCSTE

3.1.10 Provide details of national and international conferences organized highlighting the names of eminent scientists/scholars who participated in these events.

Sl. No.	Scientists/ Scholars	Title	Organizing Department & venue	International/ National State	Period
1	Prof. A Sukumaran Nair (Formerly, Vice Chancellor, MG University)	Quality, Expansion and inclusion in Indian higher education	Department of Education	National	Feb 03, 2011

2	Dr. Manjunatha, M.S. University	UGC sponsored National Seminar on Modern Trends in Biology	Dept. of Zoology	National	Mar, 2011
3	Dr. Devanesan, Kerala Agricultural University, Trivandrum	UGC sponsored National Seminar on Modern Trends in Biology	Dept. of Zoology	National	Mar, 2011
4	Dr. Sudhakar, M.S. University, TamilNadu	UGC sponsored National Seminar on Modern Trends in Biology	Dept. of Zoology	National	Mar, 2011
5	Dr. Narayanan Kutty Warrier, Govt. Medical College, Calicut	UGC sponsored National Seminar on Modern Trends in Biology	Dept. of Zoology	National	Mar 2011
6	Prof. M A Sudhir (Gandhigram Rural University)	National curriculum framework for teacher education (for the teacher educators)	Department of Education	National	Mar 05, 2011
7	Shyam Menon, Vice Chancellor, Ambedkar University)	Emerging Trends in Higher Education	Dept. of Education	National	Nov 11, 2012
8	Jill Isac	Global Television and Cultural Issues	Dept of Journalism	National	2012
9	Smt. K.C. Rosakutty, Chair Person, Kerala Women's Commission	Two Day workshop on Role of Universities in Curbing atrocities against women.	Dept. of Womens studies	State	Mar 6-7, 2013
10	Sri. Aryadan Shaukath	One Day National seminar on Women rights issues in early marriage	Dept. of Womens studies	National	Oct, 2013
11	A group of academicians	Translations from Arabic to Malayalam – Issues and challenges	Dept. of Arabic	State	Mar 05, 2014
12	A group of academicians	Seminar on 'Contemporary Leaps in Arabic Literature in Kerala'	Dept. of Arabic	National	Mar 19, 2014
13	Dr. B.P. Ajithkumar, Senior Scientist, IUAC, New Delhi	Workshop on Applications of Microcontrollers and Embedded Systems	Workshop conducted as part of Extension Activities at Dept of Physics	National	Mar 2014
14	Mr. Jamadludheen, CIGI	Talk on Arabic studies – New perspectives and Opportunities	Dept. of Arabic	State	Jun 12, 2014

15	A group of academicians	Seminar on Impact of Arabic on Malayalam	Dept. of Arabic	State	Jul 02, 2014
16	A group of artist and professionals	Al Musiqa – an Arab Music Night	Dept. of Arabic in association with Music Academy, Calicut	State	Aug 02, 2014
17	Dr. Shihab Ganem	Meet Shihab Ganem, a prolific Arabic writer and translator	Dept. of Arabic	National	Aug 05, 2014
18	Mr. P.T. Kunju Muhammed, Ex. MLA & Film Director	International Seminar on ‘Contemporary Films on Arabs and Related Culture’	Dept. of Arabic	International	Aug 12-13, 2014
19	Dr. Muhammed Sherif and Dr. Anil	Research Methodology – Multi disciplinary approach	Dept. of Arabic	State	Sep 02, 2014
20	Mr. Jamadludheen, CIGI	Career Guidance	Dept. of Arabic	State	Sep 06, 2014
21	A group of experts	Workshop on Translation (two days)	Dept. of Arabic	State	Oct 8-9, 2014
22	A group of national figures in the field of education.	National Seminar – Collaboration with Dept. of Arabic and Jamia Salaffiya, Pulikkal	Dept. of Arabic & Jamia Salaffiya, Pulikkal	National	Oct 11-12, 2014
23	Mr. Ayathullah, Delhi	A lecture on Muslim & Indian architecture a discourse on synthesis	Dept. of Arabic	State	Nov 4-6, 2014
24	Dr. Mazin Almasoudi (Ambassador, League of Arab States Mission) Dr. Mariam Hassan Ali Ibrahim Al Shenasi	“Contemporary Trends in Arabic Literature in UAE with Special focus on Women Writers”	Dept. of Arabic	National	Nov 5-6, 2014
25	Dr. R. Kapote Noy, International Atomic Energy Agency	Theme meeting cum workshop on Nuclear Reaction code EMPIRE	Board of Research in Nuclear Science, Dept of Atomic Energy	National	Nov 10-13, 2014
26	Dr. Alok Saksena, BARC	-do-	-do-	-do-	-do-
27	Dr. V.M. Datar, BARC	-do-	-do-	-do-	-do-
28	Dr. Suryanarayana, BARC	-do-	-do-	-do-	-do-

29	Prof. Y.M. sreedhar, University of Mysore	Recent researches in Education,	Dept. of Education	National	Nov 11, 2014
30	Prof. J.V. Vilanilam	Mass Com research trends	Dept of Journalism	National	2015
31	Prof. Saleema	Current Trends in Indian Media	Dept of Journalism	National	2014
32	Prof. Mathew A.F	Media and Society in the Digital Age	Dept of Journalism	National	2014
33	Dr. C.A. Jayaprakas, Principal Scientist, CTCRI, Thiruvananthapuram	UGC and KSCSTE sponsored National Seminar on Advances in entomological Research	Dept. of Zoology	National	Mar, 2015
34	Dr. Devasahayam, Principal Scientist, IISR, calicut	UGC and KSCSTE sponsored National Seminar on Advances in entomological Research	Dept. of Zoology	National	Mar, 2015
35	Dr. Murugan, Professor, Bharathiar University	UGC and KSCSTE sponsored National Seminar on Advances in entomological Research	Dept. of Zoology	National	Mar, 2015
36	Dr. K.D. Prathapan, Kerala Agricultural University, Trivandrum	UGC and KSCSTE sponsored National Seminar on Advances in entomological Research	Dept. of Zoology	National	Mar, 2015
37	Dr. Chandrika Mohan, CPCRI, Kayamkulam	UGC and KSCSTE sponsored National Seminar on Advances in entomological Research	Dept. of Zoology	National	Mar, 2015
38	Dr. Anil Kumar, Vellore Institute of Technology	UGC and KSCSTE sponsored National Seminar on Advances in entomological Research	Dept. of Zoology	National	Mar, 2015
39	Prof. Jerry Converse	Cross Cultural Communication	Dept. Journalism	National	2015
40	Prof. J.V. Vilanilam	Media and Society in the Digital Age	Dept. of Journalism	National	2015

3.2 Resource Mobilization for Research

3.2.1 What are the financial provisions/support for students' research projects?

The details of support given by the University for student research projects are as follows:

Year	Amount
2010-11	42,00,000
2011-12	75,00,000
2012-13	80,00,000
2013-14	780,00,00
2014-15	1,00,00,000



Besides the above the following fellowships are also available to research scholars from various funding agencies.

1. DST Inspire Fellowships for rank holders: INSPIRE fellowship aims at enhancing research fellowships for doctoral studies and opening up partnerships with private sector for tapping the Government's efforts in nurturing talents for scientific research. This scheme is applicable to basic and applied sciences as well as medicine, agriculture etc. with provision of multiple entries. The fellowship will be offered to (1) University 1st Ranker in a particular subject at PG level examination in basic applied science courses as well as (2) INSPIRE scholars who have secured aggregate marks of 65 % or above in the 2 year M. Sc. or 5 year Integrated MSc/MS.
2. The Higher Education Department of Government of Kerala has introduced a scholarship scheme in 2009-2010 named "Aspire". The aim of this scheme is to enable post-graduate and M.Phil/Ph.D students for undertaking short-term internship or projects in institutions other than their parent departments.
3. ICHR-JRF, UGC-JRF, KCHR, Moulana Azad Minority fellowships, Rajiv Gandhi Fellowships, etc are also available for research scholars.

Details of Fellowships (M.Phil/Ph.D. students)

Sl. No	Type of Fellowship	2010-11		2011-12		2012-13		2013-14		2014-15 upto 20-04-15)	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
1	University Fellowship	184	41,32,924	161	42,17,875	223	48,48,607	131	78,82,684	215	84,33,091
2	CSIR	12	15,67,538	10	13,26,495	11	15,95,614	15	19,45,090	13	15,62,053

3	ICMR	NiL	NIL	1	96,000	2	2,20,699	2	3,75,183	1	NIL
4	ICPR	NiL	NIL	1	6,000	2	41,000	1	NIL	1	96,000
5	ICHR	NIL	NIL	4	38,500	1	21,000	3	28,000	2	38,500
6	ICSSR	NIL	NIL	NIL	NIL	NIL	NIL	2	1,83,466	2	2,00,534
7	Paristhithi Poshini	NIL	NIL	NIL	NIL	NIL	NIL	1	1,44,000	2	2,06,800
8	UGC-JRF /SRF	39	49,36,420	55	105,34,241	97	197,22,508	150	299,98,571	163	338,93,519
9	DST INSPIRE	NIL	NIL	1	3,18,000	1	2,50,400	5	14,69,634	9	14,46,100
10	KSCSTE	1	1,33,800	3	4,46,000	6	12,58,900	7	14,90,685	10	14,17,355
11	UGC-MANF	NIL	NIL	8	8,00,000	6	5,21,310	2	6,00,000	NIL	NIL
12	UGC-PDF	1	4,36,400	1	3,80,000	1	3,80,000	1	NIL	1	4,46,000
13	Rajiv Gandhi National Fellowship	21	33,44,549	22	38,52,221	19	34,91,799	13	23,38,800	19	27,36,000
14	Emeritus Fellowship	1	2,90,000	1	2,40,000	2	5,40,000	1	332,727	2	394,586
15	UGC-BSR	5	6,30,000	3	5,40,000	6	12,60,000	6	NIL	10	18,63,819

3.2.2 Has the University taken any special efforts to encourage its faculty to file for patents? If so how many have been accepted?

The University encourages filing of patents. So far five patent applications have been filed by the faculty.

1. Fed batch fermentation technique for the enhanced production of delta endotoxin of *Bacillus thuriengensis* sub-species *israelensis*.
2. A preparation of novel pharmaceutically active compound through bioremediation (File Ref: 3958/CHE/2012)
3. A process for the dual production of α -amylase and Bt-toxin from *Bacillus thuringiensis* subsp. *Kurstaki* and efficacy of bt-toxin to compact coconut mite (File Ref: 339/DEL/2012)
4. Amylolytic, proteolytic and lignocellulolytic enzymes from *Bacillus amyloliquifaciens* strain BSS5 (Filed 2014)
5. Glycolipid biosurfactant and poly $\hat{\alpha}$ -hydroxyl butyrate from *Bacillus amyloliquifaciens* strain BSS5 (Filed 2014)

3.2.3 Provide the following details of ongoing research projects of faculty:

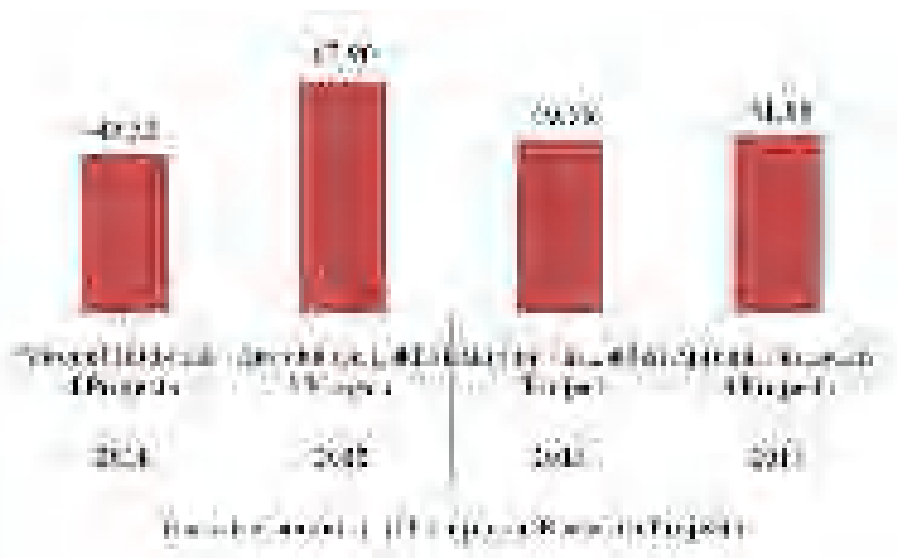
No.	Year	Name of the project	Name of the funding agency	Total amount (Rs.)
1	2012	“Taxonomic and molecular studies on the family Lamiaceae juss in Southern and Western Ghats” – Dr. Sunojkumar. P	DST	19,11,000

2	2012	“Characterization of juvenile hormones analogue responsive protein from the larva hemolymph of <i>Spodoptera mauritis</i> boisd (Lepidoptera : Noctuidae)” - Dr.Kannan.	UGC	10,84,800
3	2012	“Optimization of quantum dot sensitization over TiO ₂ photo electrode for Quantum Dot Sensitized Solar Cells (QDSSC)” – Dr.Sindhu.S, Dept.of Nanoscience and Technology.	KSCSTE	15,97,000
4	2013	“Empowerment and equity opportunities for excellences in Sciences Scheme ,, studies in oxide materials for thermoelectric generation” - Dr. P.P.Pradyumn	DST	54,20,000
5	2013	“Systematic studies of fresh water and marine cyanobacteria of Kerala and their conservation” - Dr.M.Shamina, Assistant Professor, Dept. of Botany	DST	25,00,000
6	2013	“Molecular Barcoding and biodiversity analysis of aquatic beetles of the Order Coleoptera (Arthropoda: Insecta) of Northern Kerala” - Dr.Sebastian.C.D, Assistant Professor Department of Zoology.	UGC	11,92,300
7	2013	“Biodiversity analysis and molecular barcoding of the order Odonate (Arthropoda: Insect) of Northern Kerala under Dr. C.D. Sebastian, Dept. Of Zoology	KSCSTE	11,65,000
8	2013	“Production and characterization of industrially significant biomolecules from <i>Candida tropicalis</i> ” under Ms. Priji Prakasan, Research Scholar, Dept. of Botany	KSCSTE	15,97,000
9	2013	“NAAC Assessment for quality enhancement of Higher Education Institutions in Kerala” - Dr. K.X.Joseph, Professor , Department of Economics.	KSHEC	2,00,000
10	2013	“Relaxation process in glass forming pharmaceuticals” Dr. Mohammed Shahin Thayyil, Assistant Professor, Department of Physics.	UGC	13,41,800
11	2013	“A pilot study for the bioconversion of hazardous DHEP plasticizer in plastics into a drug by <i>Achromobacter denitrificans</i> SP1 “ under the Principal Investigatorship of Dr.Sailas Benjamin, Dept.of Botany	DBT	28,10,000
12	2013	“Taxonomic and Molecular studies on the Genus <i>Arisaema C. Maritius</i> (Araceae) in India” under the Principal Investigatorship of Dr. Santhosh Nampy, Prof., Dept. Botany	DST	40,64,000
13	2013	“Taxonomic revision of the genus <i>Murdannia royle</i> (commelinaceae) in India” under the Principal Investigatorship of Dr.Santhosh Nampy, Dept.of Botany.	KSCSTE	13,61,000
14	2013	“Molecular marker based studies on the phylogenetic relationships and biogeographic origin of the medicinal plant genus <i>Leucas</i> (Lamiaceae)” under the Principal Investigatorship of Dr. Sunojkumar. P, Dept.of Botany.	DBT	34,00,000

15	2013	“Development and characterization of Spodoptera mauritia Cell line and establishment of cell cultures response to insect growth regulators”, under the Principal Investigatorship of Dr. Manogem E.M., Asst. Professor, Dept. of Zoology	DST	24,00,000
16	2013	MoEF assisted Project for the development and strengthening the Botanical Garden of Calicut University under the scheme “Assistance to Botanic Garden” under the Principal Investigatorship of Dr.M.Sabu, Professor, Department of Botany	MoEF	39,00,000
17	2013	“Surface Engineering and Tuning of Quantum Dot sensitized Photoelectrode for the Enhanced Performance of QDSSC” under the Principal Investigatorship of Dr.Sindhu.S, Assistant Professor, Department of Nanoscience & Technology.	CSIR	14,64,000
18	2014	“R & D Efforts by University Groups for INO Project” under the Principal Investigatorship of Dr.A.M.Vinodkumar, Department of Physics.	DST	34,89,000
19	2014	“Critical study of relaxation process in organic glass formers using broadband dielectric spectroscopy” under SRS programme, under the Principal Investigatorship of Dr. Mohamed Shahin Thayyil, Asst.Professor, Dept.of Physics.	KSCSTE	16,90,600
20	2014	“Biodiesel from rubber seed oil by lipase - mediated trans - esterification” under the Principal Investigatorship of Dr.Sailas Benjamin, Dept. of Botany.	KSCSTE	14,96,660
21	2014	“Eco-restoration of eroded shoreline regions of Malappuram District using relay encasement method of mangrove afforestation” under the Principal Investigatorship of Dr.C.C.Harilal, Dept.of Botany.	KSCSTE	18,26,600
22	2014	“Utilization of Liquid and Supercritical CO ₂ as media for making novel Drug – Excipient Systems based on CO ₂ - Philic Excipient Systems for Pharmaceutical Applications” under the Principal Investigatorship of Dr.P. Raveendran, Associate Professor, Department of Chemistry.	KSCSTE	31,30,600
23	2014	“Identification and characterization of Ecdysone Analogue - Responsive Proteins from the larval Haemolymph Tissue of Spodoptera mauritia Boisd. (Lepidoptera: Noctuidae) under the Principal investigatorship of. Dr. Kannan V.M., Associate Professor, Department of Zoology.	KSCSTE	19,30,600
24	2014	“Studies on multi-component transparent conducting oxide thin films for device applications”, under the Principal Investigatorship of Smt. Jaya.T.P, Research Scholar, Dept.of Physics.	KSCSTE	15,96,000

25	2014	“Evaluation of the Environmental Strogens in the Freshwater Fish, Etroplus Maculatus (Bloch,795) “ - Dr.K.C.Chitra, Dept.of Zoology	KSCSTE	12,31,600
26	2014	“Investigation of the dependence of Isomeric cross section ratio on various factors” – M.M.Musthafa, Dept.of Physics.	UGC-DAE	25,000
27	2014	“Nation wide exploration and systematic studies on Indian Musaceae” - Dr.M.Sabu, Dept.of Botany.	DST-SERB	25,32,800
28	2014	“Biodegradation of coirpith using fresh water cyanobacterium of Kerala westiellopsis prolifica Janet : Assesment of cyanopith biofertilizer on the growth of some vegetables” - Dr.M.Shamina, Assistant Professor, Department of Botany	UGC	6,00,000
29	2014	Dye synthesised solar cell fabrication using semi conducting oxides – Pradeepan periyat	UGC	6,00,000
30	2014	“Synthesised characterization studies and tuning magnetic properties of Graphene - Magnetic Nanoparticle, Nanocomposites” Libu.K.Alexander	UGC	6,00,000
31	2014	NBHM Library grant-Dept.of Mathematics	NBHM	8,80,000
32	2014	“Screening of five indegenous plants of Kerala for trypsin inhibitors - their isolation, characterisation and effects on cancer cells” – Gayathri Devi, Dept.of Life Science	DST	18,30,000
33	2015	“Thermal and dielectric study of relaxation process in glass forming systems” - Dr.Mohamed Shahin Thayyil, Asst. Professor, Dept.of Physics.	UGC-DAE	10,05,000
36	2015	Preliminary studies for the production of value added products from pineapple agro - waste - Dr.B.S.Harikumaran Thampi, Dept.of Life science.	Planning and Economic Affairs (E) - Dept.	10,34,000





- 3.2.4 Does the University have any projects sponsored by the industry/corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

University has PG project contracts with several business/health industries and Institutions.

- 3.2.5 Has the University been recognized for the research activities by national / international agencies (UGC-SAP, CAS; Department with Potential for Excellence; DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

Yes. The departments have been recognized for the research activities by national/ international agencies such as UGC-SAP, DST-FIST, DBT.

Departments recognized for their research activities

Year	Name of the Department	Funding Agency	Grant (Rs.)	Remarks
2011	Physics	DST-FIST	1,04,00,000	IInd phase
2012	Physics	UGC-SAP	75,00,000	
2012	Malayalam	UGC-SAP	41,00,000	
2012	Zoology	UGC-SAP	60,00,000	
2014	Botany	DST-FIST	97,00,000	IInd Phase

- 3.2.6 List details of Research projects completed and grants received during the last four years (funded by National/International agencies).

Details of completed Research Projects

Sl. No.	Principal Investigator	Duration /year	Title	Funding Agency	Amount in Lakhs of Rupees
1	Dr. M.Nasser	3 years	Studies on Abundance, Diversity and Eco-biology of parasitic Hymenoptera of rice fields in Kerala.	MoEF	27.42

2	Dr. Fathimathu Zuhara K	2 years 2011-13	Isolation screening and optimization of some microorganisms for fibrinolytic enzymes	UGC Minor project	2.0
3	Dr. E. Sreekumaran	2 years	Potential of stem therapy for diabetes; a study on wista-albino rats	UGC Minor project	2.0
4	Dr. Ravikumar C.D	2008-12	Study of multiwavelength properties of AGN and ULX	ISRO	13
5	Dr. B.R.S. Babu	2011-2014	Multiwavelength studies of Cirrus Clouds	DST	23
6	Dr.P.P.Pradyumnan	3 years	Studies on multicomponent Transparent Conducting oxide Thin films for Device Application	KSCSTE, Govt of Kerala	15.96
7	Dr. P. Usha	2009-2014 (5 yrs)	Development of E-content for the Selected Units in the Content of Teacher Education	UGC-SAP	9.7
8	Dr. P.K.Aruna	2006-2009	Development of multimedia package for teaching science as process skill	UGC	7.25
9	Dr. K. P. Mani	I year	Potential for Agri Buisness Ventures in Kerala – A Block Level Study	KILA	1.0
10	Dr. M. Sabu	2009-2012	Potential Ornamental Gingers: Domestication and Development of Agrotechniques.	DBT	29.21
11	Dr M. Sabu	2011- 2014	DNA Barcoding of selected genera of Zingiberaceae: <i>Alpinia</i> , <i>Globba</i> and <i>Zingiber</i>	DBT	13.47
12	Dr M. Sabu	2010- 2013	Taxonomic Revision of Indian Marantaceae and Musaceae	DST	28.83
13	Dr Sailas Benjamin	2010-2013	Prospecting industrially significant lignocellulolytic microorganisms from the wood-yards in Kallai river	KSCSTE	13.43
14	Dr Sailas Benjamin	2010-2013	Transformation of vegetable oil into omega-6 fatty acids-enriched functional food by microbial intervention.	DBT	25.11
15	Dr Sailas Benjamin	2008-2011	A process development for ameliorating alarming environmental and health hazards posed by phthalates in plastics via chemical, biochemical and bioremediation approaches.	MoEF	27.16

16	Dr SanthoshNampy	3 Years	Taxonomic revision of the genus <i>Murdannia</i> Royle (Commelinaceae) in India	KSCSTE	14.61
17	Dr Jos T. Puthur	1 year	Science popularization programme for higher secondary and UG students of Malapuram district. (2010-11)	KSCSTE	1.70
18	Dr Jos T. Puthur	3 years	Effect of GABA/BABA-priming on drought tolerance potential of pepper (<i>Piper nigrum</i> L.): A less defense investment process.	KSCSTE	15.75
19	Dr Jos T. Puthur	3 years	Identification and physiological characterization of energy grass(es) suitable for poor quality soils (2011-14)	UGC	8.80
20	Dr C. C. Harilal	1 year	Strategic introduction of biodiverse mix crops in CU campus	MoEF (NEAC)	0.12
21	Dr C. C. Harilal	1 year	Setting up a Butterfly park in CU campus	MoEF (NEAC)	0.14
22	Dr C. C. Harilal	1 year	Setting up a Bamboosetum in CU campus	MoEF (NEAC)	0.170
23	Dr. E. Purushothaman	2008-'11	Polymer Composites	KSCSTE	8.69
24	Dr. P. Muhammed Shafi	2007-'12	Natural Products	UGC	40.0
25	Dr. Abraham Joseph	2008 -'11	Studies on substituted triazine and triazole based Schiff bases as corrosion inhibitors for mild steel, copper, brass and aluminium in acid solutions.	KSCSTE	10.5
26	Dr. Renuka N. K.	2010-'13	Studies on the catalytic activity of Mesoporous metal oxides for exhaust gas purification	KSCSTE	10.6
27	Dr. Praddepan Periyat	2013-'15	Dye sensitized Solar Cells Fabrication using Semi-conductor Oxides	UGC	6.0
28	Dr. Abraham Joseph	2011-'14	Amino acid derived green inhibitors as corrosion inhibitors for mild steel and copper in acid solutions	UGC	10.0
29	Dr. P. Raveendran	3 years	Utilization of Liquid and Super-critical Carbon Dioxide for the preparation of Pharmaceutically important Drug Expitient composition	KSCSTE	31.5

30	Dr.Satheesh.E.K	2 years	TQM in food processing industries in Malappuram District	UGC	0.70
31	Dr.Satheesh.E.K	2 years	UTA Phase II Stage 11	Ministry of Youth Affairs GOI	0.12
32	Dr. K.P. Muraleedharan	2 years	Customer Satisfaction of Banks	Canara bank	1.5
33	Dr. KP Muraleedharan	2 years	Financial Management of SSI Units in Kerala	UGC	3.0
34	Dr. KP Muraleedharan	2 years	QWL in SSI in Kerala	UGC	3.5
35	Dr. B. Vijaya-chandran Pillai	1.5years	Impact of the working of Rubber producers societies on the socio-economic development of rubber farmers in Kerala	UGC	1.2
36	Dr.B.Johnson	1.5 years	Restaurants in the co-operative sector- A study of Indian Coffee houses in Kerala	UGC	1.1
37	Prof.(Dr.) A.I. Rahmathullah	2009-2011	“Indian Contribution to Arabic Literature – An attempt to prepare an encyclopaedic volume in English to introduce the entire Indian Arabic writings”	UGC	3.152
38	Dr. Moideenkutty. A.B	3 years	“Contribution of Madrasa Education System to the National Integration: A study with special reference to Kerala”	UGC	5.81
39	Dr. Abdul Majeed. E	2011-2013	Resistance Poetry of Mahmud Darwish and Qazi Muhammed: a Comparative Study	UGC	1.0
40	Dr.Elyas K K	2012	Screening, Isolation, Purification & Charecterisation of Proteinaceous Protease Inhibitor from edible and Medicinal Plants and its use in therapeutic and food preservative applications.”	KSCSTE Kerala Biotech Commission	4.45
41	Dr. Ravikumar C.D	2008-12	Study of multiwavelength properties of AGN and ULX	ISRO	13
42	Dr. B.R.S. Babu	2011-2014	Multiwavelength studies of Cirrus Clouds	DST	23
43	Dr.P.P.Pradyumnan	3 years	Studies on multicomponent Transparent Conducting oxide Thin films for Device Application	KSCST Govt of Kerala	15.96

3.3. Research Facilities

3.3.1 What efforts have been made by the University to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

Directorate of Research: A separate Directorate (DoR) has been constituted exclusively for promoting Research. Interdisciplinary Research has been promoted to meet the needs of researchers in emerging disciplines.

Art and Photography Unit: A separate Art and Photography Unit have been established to facilitate the work related to research and project of students. Most of the academic works coming from the science departments of the University of Calicut involves outdoor and indoor photography, preparation of photographs, photomicrographs, recopying and photographic slides. Research scholars of various departments approach this division for the photographic work and preparation of plates for thesis. The photographs, slides and graphs prepared in this department are presented in seminars/conferences of national and inter national level by the researchers and teachers.

Botanical Garden: Calicut University Botanical Garden (CUBG) has developed into an excellent centre of biodiversity and ex situ conservation of tropical Indian flora and exotic species. In 1985 the CUBG has achieved international status when it was recognized by the International Consortium of Botanic Garden and Centre for World Conservation Strategy.

The garden sprawls over 19.5 ha with a shallow basin encompassed by the slopping terrains except a narrow gap on the southern side where it slides down to a small transitory reservoir, providing diverse habitat and niche for a variety of plants. Ex situ conservation of the Rare, Endangered and Threatened (RET) plants of South India is the major thrust area of the garden. As part of various research projects good germplasm collections of various groups of plants such as wild gingers, wild bananas, aquatic plants, aroids, gesnerias, medicinal plants, spices, ornamental plants, etc. have been established.

Central Instrumentation Facility (CIF): A new CIF is being set up in the University to to accommodate sophisticated instruments that are useful to all science departments.

3.3.2 Does the University have an Information Resource Centre to cater to the needs of researchers? If yes, provide details of the facility.

Yes. MoU is being signed with reputed Research Institutes like the following to make the facilities available to our researchers.

- ◀ Fluid Control Research Institute (FCRI), Palakkad
- ◀ ISRO
- ◀ Spices Board of India, Kochi
- ◀ Central Institute of Fishery (CIFT), Kochi
- ◀ M. S. Swaminathan Foundation (MSSRF), Wayanad
- ◀ Indian Institute of Technology (IIT) Madras
- ◀ National Institute of Interdisciplinary Science and Technology (NIIST)

3.3.3 Does the University have a University Science Instrumentation Centre (USIC)? If yes, have the facilities been made available to research scholars? What is the funding allotted to USIC?

The USIC has four sections – Computer, Electronics, Mechanical and Automobile – which cater to the servicing and maintenance of all types of instruments and equipment being used in various departments and offices, upkeeping of campus networking and providing technical support and training to the faculties, non-teaching staff and students. Repair and maintenance of all vehicles in the central pool is done by the centre. A service station is established in the centre in which water service, oil service and minor repairs are being done.

- 3.3.4 Does the University provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?

Yes. Separate research hostel has been established. Free Wi-Fi is available in the hostels. Accommodation is provided to visiting scientists in the University guest house.

- 3.3.5 Does the University have a specialized research centre/workstation on campus and off-campus to address the special challenges of research programmes?

Sl. No.	Name of the Centre
1	Astronomical Observatory
2	Nanoscience and Technology
3	Institute for Tribal Studies and Research
4	Inter University Centre for Plant Biotechnology

- 3.3.6 Give a brief description of how facilities in the University as a centre of national recognition/repute, are made use of by researchers from other laboratories/ institutions.

University library has been recognized as a centre with rare collection of books both classical and contemporary. Facilities for external students are available in science laboratories. The Calicut University Herbarium (CALI) is an internationally recognized reference centre for plant specimens. Manuscript library provides reference and research facilities on manuscripts. Botanical garden is being used by researchers as an ex situ reference collection. InterUniversity centre for Plant biotechnology is being used for research purposes by research scholars across the state.

3.4 Research Publications and Awards

- 3.4.1 Does the University publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

Yes. Details are given below:

- Kalikoot:** A peer reviewed research journal with an editorial board of eminent scholars like professors and academicians published from the Department of Arabic.
- Rheedea:** a peer reviewed research journal with ISSN No. published from the Department of Botany. Further details are available at www.iaat.org.in
- Ecochronicle:** peer reviewed research journal published from the Department of Botany (Further details are available at www.ecoChronicle.in)
- Gregor Mendel Foundation Proceedings:** Proceedings of Gregor Mendel Foundation Seminars conducted every alternate year by the Department of Botany- published every alternate year- peer reviewed- available at www.gregormendelfoundation.com

5. **Man-age:** Management journal published by the Department of Commerce and Management Studies- The editorial board consists of eminent professors from other universities and research institutions.
6. **Development Review:** Published by the Department of Economics. The journal was started in 2000. Head of the Department is the Chief Editor. Other faculty members are the editorial board members.
7. **Journal of Communciation and Journalism Research:** Published by the Department of Journalism. Obtained ISSN.
8. **Communication and Journalism Research:** a peer reviewed biannual which started publishing from June 2012. It has already established as the leading communication journal published from the state. It has in its editorial board all the prominent senior communication faculties from the major universities of Kerala.
9. **Assonance:** An annual research journal of Russian and Comparative Literary Studies (ISSN 2394-7853). It publishes articles in the field of Russian language, Russian literature, Russian culture, comparative literature, translation studies.
10. **Sanskrita Kairali:** An annual indological research journal published by the Department of Sanskrit.
11. **Folkloristics:** The research journal of the Department of Folklore.

3.4.2 Give details of publications by the faculty:

◀ Number of papers published in peer reviewed journals (national/international)	: 1626
◀ Monographs	: 14
◀ Chapters in Books	: 198
◀ Books edited	: 72
◀ Books with ISBN	: 52
◀ Number listed in International Database: (for e.g. Web of Science, Scopus, Humanities International Complete, EBSCO host, etc.)	: 192
◀ h-index	: 28

3.4.3 Give details of faculty serving on the editorial boards of national and international journals and faculty serving as members of steering committees of international conferences recognized by reputed organizations/societies.

Sl. No.	Name of Faculty Member	Details
1	Dr.M.Sabu	Executive editor, <i>Rheedeia</i> , The Official Journal of Indian Association for Angiosperm Taxonomy. Assistant Editor, Indian Spice Journal Assistant Editor, SAMAGRA
2	Dr.C.C.Harilal	Chief Editor, ECO CHRONICLE (ISSN: 0974-4155) a quarterly national journal of Environmental and Social Sciences

3.	Dr. K.V.Mohanan	Chief Editor, Gregor Mendel Foundation Proceedings. Associate Editor/ Member Editorial Board: International Journal of Plant Breeding and Genetics, International Journal of Botany, International Journal of Agricultural Research, Asian Journal of Agricultural Research, Asian Journal of Crop Science, Universal Journal of Plant Science
4	Dr. B.Vijayachandran Pillai	Managing Editor, <i>Man-age</i> Journal, Dept of Commerce & Management Studies, University of Calicut Member, Editorial Board, <i>ISDA Journal</i> , Institute for the Studies in Developing Areas, Thiruvananthapuram. Member, Editorial Board, <i>Commerce and Management Explorer</i> , A Quarterly International Journal of Social Science Research, PG Dept of Commerce and Tourism, Catholicate College, Pathanamthitta.
5	Dr. K.P. Muraleedharan	Member, Editorial Board, <i>Man-age</i> Journal, Dept of Commerce & Management Studies, University of Calicut. Member, Editorial Board, Management Researcher, IMDR, Trivandrum
6	Dr. P. Mohan	Member, Editorial Board, <i>Man-age</i> Journal, Dept of Commerce & Management Studies, University of Calicut
7	Dr. A.K. Sarada	Member, Editorial Board, <i>Man-age</i> Journal, Dept of Commerce & Management Studies, University of Calicut
8	Dr. M.A. Joseph	Member, Editorial Board, <i>Man-age</i> Journal, Dept of Commerce & Management Studies, University of Calicut
9	Dr. E.K. Satheesh	Member, Editorial Board, <i>Man-age</i> Journal, Dept of Commerce & Management Studies, University of Calicut
10	Dr. B.Johnson	Member, Editorial Board, <i>Man-age</i> Journal, Dept of Commerce & Management Studies, University of Calicut Member, Editorial Board, <i>Commerce and Management Explorer</i> , A Quarterly International Journal of Social Science Research, PG Dept of Commerce and Tourism, Catholicate College, Pathanamthitta.
11	Dr. M.V. Narayanan	International advisory editor of <i>About Performance</i> an international journal brought out by the University of Sydney. Editorial board member of <i>Humanities Circle</i> journal from the Central University of Kerala, of <i>Converfia</i> , journal from the Women's College, Kannur and of the editorial board of <i>Vimala International Research journal</i> , Vimala College, Thrissur.
12	Dr. Janaky Sreedharan	Editorial board of <i>Diotima</i> : an academic journal brought out by the Dept. of English, University of Calicut.
13	Dr. K.S. Pavithran	General Editor, <i>ISDA Journal</i> Member, Editorial Board, Puthuvazhi
14	Dr. N. Muhammadali	Editorial board member CJR, AIJER

15	Dr. E.K.Govindavarma Raja	Chief Editor, Folkloristics
16	Dr. Soman kannachamkuttikuni	Editor, Folkloristics

3.4.4 Provide details of Research awards received by the faculty and students/ National and international recognition received by the faculty from reputed professional bodies and agencies?

1. Awards

Sl. No.	Name of Faculty Member	Awards
1	Dr. M. Sabu	Prof. Panchnan Maheswari Gold Medal – 2010 – instituted by Indian Botanical Society. Fellow Indian Association for Angiosperm Taxonomy (FIAT) Prof. V.V. Sivarajan Gold Medal 2014 – Instituted by Indian Association for Angiosperm taxonomy Best Researcher Award 2012 of Calicut University – University of Calicut
2	Dr. Sailas Benjamin	Best Paper Award 2012 of Calicut University – University of Calicut

2. Recognitions

Sl. No.	Name of Faculty Member	Recognition received by the faculty from reputed professional bodies and agencies
1	Dr. M. Sabu	Elected as the Secretary of the Indian Association for Angiosperm Taxonomy. 2009 – 2014. Nominated as IUCN Species Survival Commission Indian Subcontinent Plant Specialist Group member Fellow of the Indian Botanical Society (FBS) Honoured with naming of plant: <i>Musa sabuana</i> and <i>Amomum sabuanum</i> . Elected Fellow of the Linnean Society, 2012. London (FLS).
2	Dr. Sailas Benjamin	Life Member: Biotech Research Society of India (BRSI) Life Member: Indian JSPS Alumini Association (IJAA) Life Member, International Biotech Society
3	Dr. Santhosh Nampy	International Scientific Collaboration/ Exchange Programme of Indian National Science Academy – 2015 to work at Institute of Botany, Chinese Academy of Sciences, Beijing
4	Dr. Lajish V.L.	Best paper (poster) award to at 26th Kerala Science Congress 2014.
5	Dr.K.Gopinathan	International Film Critics Federation FIPRESCI Award for the Best Malayalam film, ITHRAMATHRAM (2012) (17th IFFK) and Entry in Indian Panorama International Film Festival of India 2012. The biographical documentary 'Maythil' was an official

		entry to the competition section International Film Festival for Documentary & Short (IFFDSK) 2010. Kerala State Government award for best book on Cinema and all Kerala film, critics Association award for best book on cinema 2012 for ‘Cinemaytude Nottangal’. Inspire (IFA-2013) award for best debut feature film director 2012. Mahathma Film Award for best ebut director 2012. Ithramaathram got selected for telecast on Doordarshan National Network under the banner of Best of Indian Cinema.
6	Dr. P. P. Pradyumnan	Best Poster paper award:, M. S. University, Tirunelveli, Tamil Nadu.Second Best Paper: ‘International conference on recent trends in advanced materials ICRAM 2012’, VIT University Velloor, Tamil Nadu. Best Paper Poster award Jayaram P and P P Pradyumnan: INDO- US Workshop on Nano structure Electronic Materials 8-11 March 2013, (IUSWNM-2013), C-MET Trissur, Kerala
7	Dr. Libu K.Alexander	Best Poster Award, A.R. Nanakkal et al, Kerala Science Congress, Alappuzha, January 2015.
8	Dr. K. Jayakumar	King Abdulaziz University Award for best paper/Scientific publication in ISI cited journals in 2014.
9	Dr. N. Ramani	Special Recognition Award instituted by the Organizing Committee of the International Symposium Cum Workshop in Acarology at the Bidhan Chandra Krishi Viswa Vidyalaya, Kalyani, Kolkata. Rashtriya Gaurav Award instituted by the India International Friendship Society, New Delhi on 30 th September, 2012
10	Dr.Soman Kannachamkuttikuni	KCHR Award 2008
11	Dr. G. George Varghese	UGC-Indo-Hungarian Educational Exchange Fellowship 2012.

3.4.5. Indicate the number of successful M.Phil. and Ph.D. scholars guided per faculty during the last five years. Does the University participate in *Shodhganga* by depositing the Ph.D.?

Sl. No	Faculty Guided	PhD.	M. Phil
1	Dr.M.V. Joseph	2	3
2	Dr.P.R.Manish Kumar	2	1
3	Dr.Elyas K K	2 (CUSAT)	2
4	Dr P.Manimohan	1	2
5	Dr K.V. Mohanan	1	1
6	Dr M. Sabu	2	2
7	Dr.John E. Thoppil	3	3
8	Dr. K. M. Jayaram	1	2
9	Dr.Sailas Benjamin	3	2
10	Dr.Santhosh Nampy	1	1
11	Dr.V.V.Radhakrishnan	-	1

12	Dr.Jos T. Puthur	3	3
13	Dr.C.C.Harilal	-	2
14	Dr.A.Yusuf	1	3
15	Dr.P.Sunojkumar	-	3
16	Dr.M. Shamina	-	-
17	Dr.A. K. Pradeep	1	-
18	Dr.K.K.Aravindakshan	2	4
19	Dr.E.Purushothaman	1	4
20	Dr.Abdul Mujeeb	-	3
21	Dr.K. Muraleedharan	-	4
22	Dr.Abraham Joseph	2	1
23	Dr.P. Raveendran	1	4
24	Dr.D. Bahulayan	3	4
25	Dr.N. K. Renuka	2	4
26	Dr.M.T.Ramesan	-	4
27	Dr.Pradeepan Periyat	-	1
28	Dr.B.Vijayachandran Pillai	1	7
29	Dr.K P Muraleedharan	2	
30	Dr.A.K. Sarada	2	
31	Dr. B. Johnson	3	
32	Dr.E.K.Satheesh		4
33	Dr. Lajish V.L.		2
34	Dr.K.P.Manoj	2	
35	Dr. C. Naseema	2	
36	Dr. P. Usha	1	
37	Dr. P.K. Aruna	2	
38	Dr. K.P. Meera	3	
39	Dr. Abdul Gafoor	2	
40	Dr. Musthafa Alias Mohamedunni M.N.	1	
41	Prof. M.V.Narayanan	2	5
42	Dr.Janaky Sreedharan	1	4
43	Dr.K.M.Sheriff	4	7
44	Dr.V.P.Prathiba	0	6
45	Dr .Sudha Balakrishnan	3	4
46	Dr. Fatima Jeem	5	6
47	Dr. Sethunath R	1	4
48	Dr. Promod Kovvaprath	5	5
49	Dr. Margret		5
50	Dr.V.K.Subramanyan		5
51	Dr.Herman		4

52	Dr.K. Fathimathu Zuhara	3	
53	Dr B.S. Harikumaran Thampi	1	
54	Dr. M.S. Balasubramani	2	
55	Dr. Ramachandran P.T.	2	
56	Dr. Raji Pilakkat	4	
57	Dr. Anil Kumar V.	1	
58	Dr. M. Manoharan	3	2
59	Dr. C. Chandran	1	2
60	Dr. N. Raju	1	
61	Dr. K. Jayakumar	3	2
62	Dr. Gokuldas M.	4	2
63	Dr. .Ramani	3	2
64	Dr. V.M. Kannan		1
65	Dr. M.Nasser	1	2
66	Dr. Shibu Vardhanan		2
67	Dr. C.D. Sebastian		2
68	Dr. E. Pushpalatha		2
69	Dr. K.C. Chitra		2
70	Dr. Shibu S. Kottaram	10	14
71	Dr. S. Sunil kumar	4	4
72	Dr. Jalaja Varma	10	15
73	Dr. Vishnu Mayya Bannur	3	3
74	Dr. M M Musthafa	3	3
75	Dr. Antony Joseph	1	2
76	Dr. P P Pradyumnan	4	4
77	Dr. A M Vinodkumar	0	2
78	Dr. C D Ravikumar	1	3
79	Dr. Shahin TH	1	3
80	Dr. Libu K. Alexander	0	1

3.4.6 What is the official policy of the University to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

An effective policy for prevention of plagiarism has been implemented. University of Calicut is the first University in Kerala with a Plagiarism Policy.

Identification and assessment of alleged plagiarism: Where an examiner detects or is made aware of alleged plagiarism by any learned person in the field, the examiner must report the alleged plagiarism to Directorate of Research. The Director of Research shall forward it to the Vice Chancellor so as to place it before the Research Council. Based on the recommendations of the RC, the University shall seek the opinion of an Expert Committee comprising two external experts preferably from other States/abroad and the concerned Supervisor. (If the supervisor is not available, concerned Head of the Department/ Institution

shall be included). The report from this expert committee will be placed before the statutory body of the University (Syndicate/ Academic Council/Senate), which is bound to take disciplinary actions. In the case, a written complaint also (with proper identity of the complainant along with an expert opinion from the same field on plagiarism is received), the above procedure shall be followed.

The expert committee is required to submit the report on the alleged, after dual check by using software and also manually. The expert committee will use the best possible software provided by the University for detecting the plagiarism.

Compliance Statements: All Ph. D. (and other earned higher degrees such as D.Lit. and D.Sc.) scholars are required to submit a signed certificate on plagiarism check of her/his work, in the prescribed format with the recommendation of the Doctoral Committee, at the time of the submission of thesis.

Procedure for Plagiarism check: The University provides plagiarism checker software(s) to detect the similar textual content already published in various information sources. This facility is made available at the University through the Central Library of the University. The University library will provide plagiarism check service to all approved Research Centres of the University.

Permitted level of plagiarism: Own published work (if appended at the end of the thesis/ dissertation), references with proper citation are excluded from plagiarism check. Generally, similarity of contents up to 5-10% shall be ignored. The maximum acceptance level shall be:

- Introduction/Review of literature: **25%** for subjects under Science, Medicine and Engineering faculties and **35%** for subjects under other faculties)
- Materials and Methods: **25%** for all faculties
- Result/ Discussion/Summary/Conclusion: **10%** for all faculties

A case has been reported and action on this is under consideration of the Syndicate.

3.4.7 Details of inter-departmental/interdisciplinary research projects (if any) undertaken by the University and the participating departments.

Yes. The Science departments such as Chemistry, Physics, Botany, Biotechnology, Statistics, Nanotechnology, etc. extend full support to faculty and students for interdisciplinary research.

3.4.8 Has the University instituted any research awards? If yes, list the awards.

The University of Calicut has instituted the following awards to recognize good research and encourage researchers to take up socially relevant research work.

1. Best researcher award
2. Best research paper award

3.4.9 What are the incentives given to the faculty for receiving state, national and international recognition for research contributions?

The University encourages the faculties to engage research projects funded by various national agencies. Faculty members are honored by the University when their performance is exemplary in the area of research. The following awards were distributed by the University.

1. Best Researcher Award in Science: Dr. M. Sabu, Department of Botany
2. Best Research Publication award in Science: Dr. Sailas Benjamin, Department of Botany

3.5 Consultancy

3.5.1 Does the Department offer consultancy service? List a few important consultancies undertaken by the Department during the last five years.

Yes. The following services are offered:

- Arabic Department offers consultancy to Airport Authority of India.
- Department of Botany, University of Calicut offer consultancy services. The important consultancies undertaken by the Department during the last five years include: 1. Sharing the knowledge regarding the biodiversity of Calicut University Botanical Garden (CUBG). 2. Identification of plants by referring the large collection of herbarized specimens available at the Calicut University Herbarium (CALI).
- Chemistry Department organizes chemistry exhibitions occasionally in the Department and outside the campus in association with different agencies.
- Faculty of Commerce Department act as service providers of surveys like Switching Behaviour Survey for Vodafone, Readership Survey for The New Indian Express, Retail buying behaviour in organised retail outlets, Dealership Survey for Airtel, Marketing communication study for Kalyan silk, Dealer Satisfaction Survey for Double Horse, Consumer Survey for Hero Honda, Department of Commerce and Management Studies has prepared Project report for Govt: ALP School Ariyallur, Malappuram District to convert the school to an international level.
- Department of Education offers consultancy service to SIEMAT, SCERT, DIET and KSHEC.
- Department of Statistics offers consultancy services by giving advice/guidance in handling Statistical/Mathematical Softwares, Statistical analysis/computation.
- Zoology Department has given training to coconut farmers to set up parasite breeding facilities to culture and release parasitoids to control coconut pests and insect identifications services are provided to students of colleges and various institutes.
- Manuscript repository of Malayalam Department offers facility to deposit manuscripts and facilities for manuscript based research.

3.5.2 Does the University have a University-industry cell? If yes, what is its scope and range of activities?

Directorate of Consultancy is functioning in the University to collaborate with industries for such activities.

3.5.3 What is the mode of publicizing the expertise of the University for consultancy services?

The University website contains the expertise in the University departments regarding consultancy. Faculty members and students announce the same while going for public talk. Department of Botany, University of Calicut is well known for its consultancy service is made through the website of University. The translation services offered by the Department of Arabic are being publicized on Youtube and social media sites.

3.5.4 How does the University utilize the expertise of its faculty with regard to consultancy services?

Department of Psychology extends free consultation for BPL citizens and Government Organizations. The broad areas include Clinical, Industrial Organizations, Forensic, Police Psychology, Health and Exceptional Children Interviews.

UGC – NET Coaching, Workshop oriented preparation for Master’s Research, Field visit to educational institutions, Value development Programmes, visit to old age homes, destitute homes and Institutions for challenged groups, visit to environmentally sensitive places, providing access to Calicut University Botanical Garden (CUBG) spread over an area of 25 acres, access to Calicut University Herbarium etc are other services offered to needy organizations and individuals.

- 3.5.5 List the broad areas of consultancy services provided by the University and the revenue generated during the last four years.

Presently most of the services are provided on voluntary basis. The details of revenue generated is given below.

Year	Revenue generated through consultancy services – Botanical Garden (CUBG) visit
2011	Rs. 28,075
2012	Rs. 15,225
2013	Rs. 49,400
2014	Rs. 34,600

3.6 Extension Activities and Institutional Social Responsibility (ISR)

- 3.6.1 How does the University sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students’ campus experience during the last five years.

1. Student evaluation and enrichment programme at Government Lower Primary School, Tanur (Shobhaparambu) in 2012.
2. Agri Flower Fruit Festival - 2013 (07-02-2013 to 17-02-2013)
3. Agri Flower Fruit Festival - 2014 (02-01-2014 to 12-01-2014)
4. Green Festival - 2014 (15-06-2014 to 25-06-2014)
5. Agri Flower Food Book Fest 2015 (27-03-2015 to 07-04-2015)
6. Botanical Garden Exhibition - 2011 (21-10-2011 & 22-10-2011)
7. Botanical Garden Exhibition - 2013 (29-11-2013 & 30-11-2013)
8. Project identification, programme formulation, implementation and evaluation
9. Personality development of students in arts and science colleges.
10. Career prospects for plus two school students.
11. Blood donation camps
12. Campus recruitment programmes
13. Suicide intervention programme among farmers
14. Workshop for exceptional children and their parents.
15. Science exhibition support to school students.
16. Analysis of water samples brought to the department by the villagers.
17. Soil pH analysis service to villagers.
18. AIDS awareness programmes.
19. Awareness programme on Food Adulteration.

20. Anti ragging awareness programmes.
21. Meet the legend programme.
22. International Women’s day Celebration.
23. Film show on the film Ezhuthatha Kathukal authored by Prof M N Karassery.
24. Painting exhibition in collaboration with Kerala Lalitha Kala Academy.
25. Ornament and Soft Toys Exhibition.
26. Stall on Women’s Movement in Kerala at the National Gender Fest organized by Government of Kerala at Kozhikode.
27. Talk on Women Media Persons Subjectivity by Ms. Vidhu Vincent, noted media personal in Kerala.
28. Lecture on Muslim Girls’ Education in Kerala by Dr. Hafis Muhammed
29. One Day Adolescence Education Programme for High School Students.
30. Wild life week and World Environment Day was celebrations.
31. “Arabic for every one” program to publicize Arabic.
32. ITFOK, Workshops, Theatre technical workshops as extention programmes by School of Drama.
33. Nature visit camps, in collaboration with Forestry Department.
34. Planting trees by students and Faculty members under ‘one student one tree programme’
35. Development camps for students of schools.
36. Campus cleaning and rain harvesting programme organized by students.

3.6.2 List the activities done during the past five years towards literacy programme.

Literary camp was organized for the benefit of tribals in the Attappadi area. There are many extension activities being organised by various department with active participation of the students like, INCULCATE programmeme, Environment Day, Earth Science Expo, Youth Festivals, Film Festivals and public/student visits to labs and museums. Botanic Garden is visited by students from schools, Colleges and research institutes to familiarize with the diversity of plants.

3.6.3 List the activities done during the past five years towards National Integration

- ◀ Observed Quami Ekta Week in connection with Birth centenary year of Sardar Vallabhai Patel
- ◀ Observed National Integration day
- ◀ Observed Red Ribbon day
- ◀ Carried out Swatch Bharath Missions.

3.6.4 List the activities done during the past five years towards bringing democratic values in society.

Departmental student union and University union elections are conducted every year for the purpose.

3.6.5 List the activities done during the past five years towards bringing communal harmony

Observance of Communal harmony day as part of Quami Ektha Week is carried out every year.

3.6.6 List the activities done during the past five years towards awareness programmes

- ◀ Observance of National Integration day
- ◀ Observance of Red Ribbon day
- ◀ Swatch Bharath Mission
- ◀ Anti Tobacco programmes
- ◀ Programmes on Food adulteration
- ◀ A National Colloquium on the socio-legal aspects of Gadgil- Kasthurirangan reports on Western Ghats was organized by the Department of Botany, University of Calicut during 2014.
- ◀ Mother wellness programme
- ◀ Programmes on home safety
- ◀ Couple empowerment for happy home
- ◀ Extension lecture programme for school/college students.
- ◀ Assessment camp for Students with Learning Disability.
- ◀ Motivation programmes for SSLC /Plus2 students
- ◀ Programmes on ART of Parenting
- ◀ Women empowerment programmes

3.6.7 List the activities done during the past five years towards organizing towards value system among students and teachers.

The University organizes special workshops to disseminate value system for the benefit of students and staff. University introduced SADGUNA award recently to honour the best student in colleges and campus departments based on a fair assessment on the overall performance of the individual beyond academic merit. This will really send message among the student community that education is not only book learning and something beyond that. This will certainly promote the concept of value system in individual and society. Seminars on Transactional Analysis, Neuro Linguistic Programming and Theme Centered Inter-action (TCI) have been conducted by the Department of Psychology.

3.6.8 How did the extension activities organized by the University complement students' academic learning experience? Specify the values inculcated and skills learnt.

The extension activities of the departments on women empowerment, career guidance, campaigns against social evils like dowry, alcoholism, etc. help the students to get awareness on the problems of the society and finally enable them to emerge as better citizens of the society.

3.6.9 Give details of the initiatives of the University which have encouraged community participation in its activities.

- The University regularly provides training to students preparing for NET/JRF/Competitive exams.
- Job oriented training programmes in the area of marketing/HR/Finance are arranged with the help of experts in the field.

3.7 Collaboration

3.7.1 Give details of University's collaboration with other agencies indicating academic and financial benefits of collaborations to the University.

Academic Collaboration:

Effective networking and collaboration with:

Kerala State Women's Commission, Mahila Samakhya, Kerala Institute of Local Administration, affiliated colleges, State Women Development Corporation, Gender Park, Kerala, Dept. of Social Welfare, Indian Association for Women's Studies, District Literacy Mission, LSG at different levels, Institute of Management in Govt., NGO's like Sakhi, Anweshi, Rasta, Uravu, etc., Kerala State Kudumbasree Mission, Rajiv Gandhi Centre for Biological Sciences, Indian Institute of Chemical Technology, Aligarh Muslim University, Tokushima Prefectural Museum, Japan, S. S. A., Wayanad, C. D. S Trivandurm, S. S. A State level, BPRD, RGNIYD, ISRO Bangalore, BARC Mumbai IIA Bangalore, IUCAA Pune, IUAC New Delhi, C-MET Thrissur, MCC Thalassery, ICPR, NBHM, SCERT, KSOM, KSSP, ICHR, Career Information and Guidance India(NGO), The chamber of Education, New Delhi (NGO), CMET Pune, National University of Singapore, Nanyang Technological University Singapore, University of Pittsburgh USA, JNCASR, Bangalore, Suhm Group (University of Gottingen), The Netherlands National Herbarium, Gandhigram Rural University, Indian Cardamom Research Institute, Central Coffee Research Institute, UPASI Tea Research Institute, Kerala Forest Research Institute, Indian Institute of Science, Delhi University, Rajiv Gandhi Centre for Biotechnology, Tropical Botanical Garden & Research Institute, M.S. Swaminathan Research Foundation, RGNIYD, IMHANS, Medical Colleges of Kerala, Children's Homes, ICCONS Shornur, MIMS Hospital Calicut, ISDC, Malabar Botanical Garden & Institute of Plant sciences.

3.7.2 Mention specific examples of how these linkages/collaborations promote Research.

Collaborative research work in emerging areas:

- ◀ Publication- Joint Research Publications came out.
- ◀ Curriculum development- Experts from these institutes are included in the boards of studies.
- ◀ Internship- Students are allowed to select these centres for project work at PG level.
- ◀ Collaborative seminars are conducted in different disciplines

3.7.3 Details of MoUs with institutions of national/international importance/ other universities/ industries/corporate houses etc. Mention how have they enhanced the research and development activities of the University?

MoU's have been signed with University of Tubingen, Germany, IIA Bangalore, IUCAA Pune, IUAC New Delhi, C-MET Thrissur, MCC, Thalassery, VSSC, KSOM, NIIST, Thiruvananthapuram, CMET Pune and ISDC.

3.7.4 Have the University-industry interactions resulted in the establishment/ creation of highly specialized laboratories/facilities?

The renovation of University Stadium with financial support of Rs.1.25 crores from Al-Abeer group is completed.

□

Criterion-IV
INFRASTRUCTURE AND LEARNING RESOURCES

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

The University is well endowed with basic infrastructure facilities like land, power and water supply, transport etc. to run the academic programmes effectively and efficiently. The following are the important physical infrastructure available in the University. The main campus is located in a geographical area of 526 acres of land spread over three village Panchayaths in the district of Malappuram on both sides of NH 17, near Calicut International Airport and Feroke railway station. The campus at Thrissur is located in 20 acres of land four kilometres away from Thrissur city. The Vatakara campus is housed in one acre plot close to NH 17. The total built up area of the building used to run academic programmes, basic facilities, administration etc. is 1,35,114 M².

Power supply is ensured from a 211KV substation located at the northern end of the University campus. A dedicated feeder line is also leased by the University from Kerala State Electricity Board to ensure uninterrupted power supply without voltage fluctuation. Further, two generators with 110KVA and 250KVA capacity are also provided. The capacity of the 11KV HT substations I & II has been recently enhanced from 1000KVW to 3000KVW at a cost of rupees 3.6 crores. The capacity of the transformer at John Matthai Centre, Thrissur has been enhanced to 500KVA and a generator with a capacity of 160KVA has been installed. 24 hour uninterrupted water supply is ensured by the University through a captive water supply scheme to the campus from the Kadalundi river, 10 km south of the University campus. This scheme provides sufficient good quality water to all the teaching departments, administrative and other supporting buildings, all hostels and 400 residential quarters. 24 hour free internet connectivity is made available throughout the campus. The Wi-max system implemented in the University converted the entire University to a Wi-Fi campus and it is available all over the campus and the whole academic community is highly making use of it. University ensures to its students, faculty and administrative staff, efficient transport facilities in the campus through a fleet of vehicles consisting of four buses, one mini bus and ten light motor vehicles. Off-campuses at Thrissur and Vatakara also have their own vehicles for their travel requirements.

A Central Instrumentation Facility (CIF) installed recently, makes effective utilization of high cost equipment among various science departments. A common seminar complex makes provision to all the teaching and non-teaching departments for conduct of conferences, seminars, symposia, workshop, etc. A student Web Centre at the Tagore Niketan is another central initiative to meet the requirements of the students in connection with web-computing. Another common facility is a Staff Training Centre which is equipped with adequate computer systems and related peripherals for imparting training to various categories of University staff.

The Botanical Garden and Ginger Garden with rare plants and spices collection situated at the centre of the University campus is an attraction not only to the Botanists and plant lovers but general public also. A new initiative has begun to tap solar energy so as to be self sufficient in generating power for the use of the campus.

Digital Document Filing System (DDFS) is an award winning major jump in the field of

E-governance in the University. This is a smart paperless solution for documentation, collaboration and distribution of files and letters that enabled the University to make revolutionary changes in the administrative procedures by submitting and making decisions on files irrespective of time and geographical barriers. With the introduction of DDFS, delay in office procedures has been reduced considerably. The email account under the University domain given to all staff members enabled the University community to communicate with ease. Biometric punching system introduced a couple of years back ensured timely attendance of the faculty, staff and research scholars. E-payment and E-Tender facilities were major initiatives in reducing the time delay in inviting and processing tenders for various works related to the University as well as speedy delivery of financial transactions in various instances including salary disbursement.

The online certificate verification system is a major initiative to help the University alumni spread all over the world in getting their certificates verified with the University at a fast pace. Online plagiarism check system has been introduced in the University.

4.1.1 How does the University plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

The University has a Planning Board headed by the Vice Chancellor and consists of members nominated from the Syndicate and various teaching departments on rotation basis. University gets financial assistance from UGC and state government. The planning board examines concrete proposals from various departments based on their actual requirements. The board makes decision on the proposals considering University's best interest and priorities. A Directorate of Planning has been established to coordinate the activities of the Planning Board.

University ensures optimal utilization of the facilities by making it available to all departments. There are several such facilities being made use by different departments like Central Instrumentation Facility, Seminar Complex, Museum, Botanical Garden etc. are to name a few. The Central Instrumentation Facility (CIF) founded recently, proposes to make effective utilization of high cost equipments among various science departments. A common seminar complex makes provision to all the teaching and non teaching departments for conduct of Conferences, Seminars, Symposia, Workshops, etc. A Student Web Center at the Tagore Niketan is another central initiative to meet the requirements of the students in connection with web computing. Another common facility is a Staff Training Centre which is equipped with adequate computer systems and related peripherals for imparting training to various categories of University staff. The Botanical Garden and Ginger Garden with rare plants and spices collection situated in the University campus is an attraction not only to botanists but general public also. A new initiative has begun to tap solar energy so as to be self sufficient in generating power for the use of the campus.

4.1.2 Does the University have a policy for the creation and enhancement of infrastructure in order to promote a good teaching learning environment? If yes, mention a few recent initiatives.

Yes. The University has a policy for the creation and enhancement of infrastructure in order to promote a good teaching learning environment. The policy for infrastructure development is based on inputs received from teaching departments and research centres. Mostly, plan funds (non-recurring) are utilized for creation of assets and non-plan funds (recurring) for their maintenance. The bulk of the plan and non-plan funds are obtained from the State Government and through internal sources. University implemented many academic and developmental programmes. The school system introduced recently is intended to assist the University to move in tune with the emerging global trend of internationalization of education.

As part of infrastructure assessment, a team of University officials visited all the teaching departments and made an on the spot assessment of the needs. Based on the report, a suitable work plan was formulated in consultation with the engineering unit. Centralized purchases of office furniture, computer, library racks were also made. The University has provided Smart Classrooms in all teaching departments so as to promote interactive learning among the students. The University has equipped the smart classrooms with state of the art infrastructure like smart boards, LCD projectors, multimedia devices etc. The inauguration of the new guest house of Academic Staff College for participants is another important step to ensure quality in education facilities provided.

Some of the recent initiatives are listed below:

- ◀ InterUniversity Centre for Plant Biotechnology
- ◀ Multidisciplinary Museum
- ◀ Composite Science Block
- ◀ Central Instrumentation Facility
- ◀ Institute of Tribal Studies and Research
- ◀ New Ladies Hostel
- ◀ Academic Staff College Guest House
- ◀ Installation of Solar Power Generation System
- ◀ Foreign students' hostel
- ◀ Women Amenities Centre
- ◀ Fitness Centre
- ◀ VIP Guest House
- ◀ New building for SDE
- ◀ Lecture Theatre in DCMS
- ◀ Students' common facility centre (Tagore Niketan)
- ◀ Learning Management System
- ◀ E-content webcasting

4.1.3 How does the University create conducive physical ambience for the faculty in terms of adequate research laboratories, computing facilities and allied services?

Constant funding through Plan and Non-Plan grants to the various departments is utilized for enhancing research facilities. All science departments are equipped with state of art equipments in their laboratories. All the departments have very good libraries and other facilities. Most of the departments have computer labs and some departments have language labs.

- ◀ Faculty room for each staff member with personal computers with internet connectivity
- ◀ Research laboratories in each science department
- ◀ Computer lab facilities in all departments
- ◀ Resource base/department libraries
- ◀ Quarters facility for families
- ◀ Bachelor accommodation

- ◀ Campus wide Wi-Fi
- ◀ Gymnasium, indoor and outdoor stadiums
- ◀ University bus service between quarters and offices
- ◀ Post office, Bank and Police Station
- ◀ Co operative stores and cafeteria
- ◀ University recreation park
- ◀ University Health Centre
- ◀ Crèche
- ◀ Govt. Model Higher Secondary School

4.1.4 Has the University provided all departments with facilities like office room, common room and separate rest rooms for women students and staff?

Yes. Office room, common room and separate rest rooms for women are provided in the library and departments. An exclusive Women's Amenity Centre that houses Crèche, Aerobics Gymnasium etc. is also provided for the use of women in the campus.

4.1.5 How does the University ensure that the infrastructure facilities are disabled-friendly?

Ramps are provided in main central facilities like the University Library and Tagore Nikean. A lift in the Administrative Block and washroom facility for physically challenged in the library have been installed. Ramps are available in many buildings and more are under construction in other buildings for wheel chair bound students to move in and out easily. The classes for differently-abled students are arranged in the ground floor to the maximum extent possible. ICT Centre for visually challenged has been established in the Central Library. A novel botanic garden for visually challenged is being established in the CUBG.

4.1.6 How does the University cater to the requirements of residential students? Give details of:

Hostel type (Ladies/ Mens/ Single Officers, Women's, etc.)	Total Capacity (occupancy)	Total Built up Area (Sq. Mts.)
Ladies Hostel-1 (Old block)	1028	1870
Ladies Hostel-1 (New & Research)		5991
Annex and Extension		8393
Mens Hostel(old block)	56	1662
Mens Hostel(New block)	100	2689
Mens Hostel(Research block)	77	1607
Mens Hostel (Annex)	99	1608

Free Wi-Fi is available in the Campus and Hostels. The University has finished installing High Speed Wireless Networking in the campus. This has facilitated the completion of the e-governance programme being implemented in the University.

Bus facility is available for students who use the campus library. Shuttle court, basket-ball court and facilities for indoor games, separate gymnasium for girls and boys and mess, etc. are available.

4.1.7 Does the University offer medical facilities for its students and teaching and non-teaching staff living on campus?

There is a full fledged health centre functioning in the University. Two doctors are working on shift basis and it has in-patient facility, ambulatory services, etc. Necessary medicines, health laboratory services, etc. are also provided free of cost. The University Health Centre imparts health care services through out-patient consultation, laboratory diagnosis and dispensing of prescribed medicines - to students, employees, pensioners, their dependents and residents of Pallikkal, Thenhipalam and Chelembra Village Panchayaths, **fully free of cost**. This is the unique feature of the University Health Centre.

Almost all kinds of medicines including costly antibiotics and Cardiac drugs are dispensed from the Pharmacy on prescription, totally free of cost, to all out-patients irrespective of their status. The budget allocation for the purchase of medicines is steadily increasing every financial year proving the social commitment of University in health care.

4.1.8 What special facilities are available on campus to promote students' interest in sports and cultural events/activities?

The Department of Physical Education has been providing various facilities to the students of the University of Calicut with the intent of promoting interest among students in sports and games. Facilities like synthetic track, sports pavilion, foot ball field, hockey field, cricket field, basketball court, volleyball court, handball court, ball badminton court, tennis court, kho-kho court, kabadi court, indoor stadiums with facilities to play badminton, basketball, volley ball, hand ball and table tennis; and multipurpose gymnasium open air theatre, weekly presentation of Drama by famous troops, students' trap for various cultural activities of students, etc are the highlights. An amount of Rs. 2.25 crores has been earmarked for swimming pool and the work will start soon.

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?

The University library is functioning under the guidance of a Library Committee. The committee is with 8 members. The committee submits recommendations on all policy matters regarding the functioning of the library. The constitution of the **Library Advisory Committee is as follows:**

Chairman - Pro Vice-Chancellor
 Convenor - University Librarian
 Nominated Members

- 1) Faculty members from science departments - 2
- 2) Faculty members from Humanities departments - 2
- 3) Faculty members from Language and other teaching departments - 2

The committee gives recommendations for drafting terms and conditions for the purchase of books and other resources to the University Library and department libraries.

4.2.2 Detailed Description of the Library:

Total area of the library (in Sq.Mts)	- 4,178 M ²
Total seating capacity	- 200 seats

Working hours:

Working days	- 8.00 AM to 8.00 PM
Second Saturdays	- 8.00 AM to 2.00 PM
Sundays	- 8.30 AM to 2.00 PM

Layout of the Library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources): 200 seats are provided to the readers who wish to refer to the resources of the library. The seats are arranged in the Reference Section, Maintenance Section, Periodicals Section, Infonet Section and the general reading room. Instead of carrels, wooden reading tables are provided to the readers. The lounge area of the library provides sufficient space for browsing, OPAC search and for consulting the books exhibited on the 'New Arrivals' board. The readers are permitted to access the e-resources available through the INFONET service, with seating arrangements in the INFONET Section.

Clear and prominent display of floor plan; adequate sign boards; fire alarm access to differently abled users and mode of access to collection: In order to assist the users sufficient numbers of sign boards are placed at the entrance of each section in the library. The stack room is provided with self-guiding instructions with which any reader can locate the books of his/her choice without any difficulty. Open access is provided to all the users in all the sections so as to enable them to select the books of their choice and interest.

Facilities for Visually and Physically Challenged: Differently abled users of the library get special attention as the library is with an 'ICT Centre for Visually Challenged' which functions from the year 2010. Study materials are provided to the visually challenged students in an audible format. For the use of the differently abled users a ramp has been constructed at the entrance of the library.

4.2.3 Details of the library holdings:

Sl.No.	Details	Quantity (Nos.)
a)	Print (books, back volumes and theses)	
	Books	1,12,778
	Theses	6,132
	Journals	177
	Back Volumes of Journals	1,128
b)	Average number of books added during the last 3 years	2,003
c)	Non Print (Compact Disks)	1,508
d)	Electronic e-books	10,262
	e-Journals	8,932
e)	Special collections	
	Text Books	3,267
	Reference Books	9,520
f)	Book Banks	Nil
g)	Question papers	407 bound volumes
	Databases	3 (Web of Science, Math Sci Net, J-Gate)
	Daisybooks	210

4.2.4 What tools does the library deploy to provide access to the collection?

- a) Readers can search the catalogue of the library through the OPAC (Online Public Access Catalogue). Searches are possible with the name of the author, title, subject, publisher, and ISBN. Local Area Network has been established among the various teaching departments and the students have access to the OPAC from their department. A union catalogue of the resources of the various department libraries has been prepared. Sufficient numbers of terminals are provided to the users for searching the collections through the OPAC.
- b) OPAC: J-Gate@UGC-INFONET provides e-journal gateway to 8932 subscribed e-journals plus 4000 journals available on demand. In addition to this 10564 free journals are also can be accessed through this interface. Apart from this, the library has developed an interface that provides access to all the e-resources accessible by the University academic community. It has links to all e-resources subscribed by UGC, e-resources directly subscribed by the University and links to innumerable number of academic content available through open access.

- d) Library Website: <http://library.Universityofcalicut.info>

Access to the Website of the library is provided through the home page of the University. Details regarding the hours of work, procedure for admission, issue of books, renewal of the issued books, reservation of the issued books, collection of fine, list of holidays, list of new additions, etc., are provided in the library website. Access to the electronic resources of the INFLIBNET, including shodhganga and shodhgangotri is available through the website. Access to the library repository is free and open.

- d) The library users can have access to the electronic resources available with the library by utilising the Wi-Fi facility provided by the University. This facility is available only within the boundary of the campus.

4.2.5 Extent of ICT deployment

- a) **Library Automation:** CHMK Library is the first fully computerised University Library in Kerala. All in-house operations such as placing orders, sending reminders, processing of the bills and technical processing of the books and journals are done with the help of the free software, 'KOHA', which is in operation since 2012.

All the functions at the service sections of the library are carried out with the help of the software, 'KOHA', including the issue and return of the books, generation of the reminder letters, collection of overdue charges, etc.

As part of the digitisation of the library materials a scanner is installed in the INFONET section with the financial assistance of UGC and the digitisation work of the research theses is in progress. The scanned theses are uploaded into the digital collection of shodhganga, which is the repository for electronic theses.

The INFONET section provides free access to the electronic resources available through the UGC-INFONET Digital Library Consortium and the e-books procured with the funds available for such purposes.

- b) **Total number of computers for general access:** The Library provides access to the electronic resources by establishing the INFONET section and by providing 50 computer terminals. In addition to this separate search facilities are provided to access the OPAC, in the library.
- c) **Total numbers of printers for general access:** Facility for copying the digital contents on compact disks and pen drives is provided.

d) Internet band width speed: 1GB

e) Institutional Repository: CHMK Library has set up an institutional repository with DSpace software. It has been set up with a view to make a collection of the research output of the faculty, research scholars and M Phil/P.G. students of the teaching department of the University and to exhibit the question papers of previous year's examinations. Access to all the departments is given in the repository and the Ph.D. theses produced in each department are made public through the repository.

f) Participation in resource sharing networks/consortia: Yes, INFLIBNET.

4.2.6 Provide details (per month) with regard to:-

a) Average number of walk-ins per month	-	6,250
b) Average number of books issued/returned	-	1,720
c) Ratio of library books to students enrolled	-	7
d) Number of books added during the last five years	-	9,189
e) Average number of login to OPAC	-	2,850
f) Average number of login to e-resources	-	11,205
g) Average number of e-resources downloaded/printed	-	6,457
h) Number of IT literacy trainings organised	-	2

4.2.7 Specialised Services

a) Manuscripts: The manuscript collection in the University is pooled together in the Manuscript Library attached to the Department of Malayalam. The Library has a rich collection of ancient manuscripts in palm leaves and other media.

Manuscript Repository: Manuscript Repository under the Department of Malayalam & Kerala Studies is an acclaimed and valuable enterprise of the University. Right from the establishment of the Department of Malayalam in 1971, it had a programme to preserve and conserve Palm-leaf Manuscript which has been collected from various parts of Kerala. At present there are more than 12000 Manuscript in different Languages, including paper manuscripts are preserved in the Thunchan Manuscript Library.

The periodical attention and maintenance are inevitable for the prolonged existence of Palm-leaf Manuscripts. The continuous process of dusting cleaning and oiling of each and every leaf, connecting new side-boards instead of damaged and old wooden planks etc. are the various modes of proper conservation of Palm-leaf Manuscripts. These processes are still continuing in the Manuscript Libraries like Oriental Research Institute and Manuscript Library University of Kerala, Government Oriental Manuscript Library Chennai, Oriental Institute Vadakara, Bhandarkar Oriental Research Institute Pune etc.

Our Manuscript Library got financial assistance from the Cultural Department of the Government of India in 1982. Acquisition, preservation and conservation of Manuscripts have been carried out well under the supervision of the Manuscriptologist. At present one Manuscript Keeper and two skilled workers who got training from National Mission for Manuscript, Government of India are in charge of preserving the Palm leaves. The digitalization of the Manuscripts in the Repository started on 01.09.2009 signing a contract with KELTRON. Out of 12007 codices, 4153 codices were digitalized so far. The work of digitalizing the remaining Manuscripts are now carried out by the Manuscript Keeper and Skilled Worker appointed in the Library. Hundreds of students inside and outside camps including foreigners are visiting the Manuscript Library and make use the valuable leaves for Study/Research purpose.

- b) **Reference:** The Reference Section of the library is equipped with a good collection of books of 9250 numbers of reference value. The Section maintains a good collection of text books also, with the text books prescribed for the various courses of study offered by the University in different disciplines. Overnight reading facility is allowed to the users and they can take the text books issued at the hour of closing the library on condition that the text books are to be returned at the opening hours of the next day, failing which an amount has to be remitted as fine for each text book. Any user who wishes to visit the library for the purpose of reference and who are not members of the library can get an access to the reference materials by taking temporary membership meant for the use of the library for a single day.

In order to assist the students in appearing to the University examinations the Reference Section keeps a collection of question papers of the previous years' examinations, neatly bound and ready for use. The Reference section maintains a special collection of research theses and M.Phil. Dissertations submitted to the University of Calicut.

- c) **Reprography/Scanning:** Reprographic service is provided to the students by way of photocopies and digital copying on CDs and DVDs.
- d) **Inter-library Loan Service:** The INFONET Section of the library provides Document Delivery Services as part of the INFONET search facility available in the library.
- e) **Information Deployment and Notification:** New arrivals of books are displayed on the website of the library. Latest information about new services and resources are published on the library website.
- f) **OPAC:** Four computer terminals are provided exclusively for the search of the catalogue which is available online. Proper guidance to the freshers is given by the library staff in searching the online catalogue.
- g) **Internet access:** The students and the faculty use the INFONET facility for accessing the full texts of articles available through the INFONET service of the UGC, e-books and other digital resources available in the INFONET Section. As the teaching departments are interconnected through optical cables and Wi-Fi the search facility is available round the clock within the campus.
- h) **Downloads:** The INFONET Section of the library offers search and download facility to the users who wants to have access to the electronic data available through the INFONET service of the UGC.
- i) **Printouts:** The library is providing reference and search services to its resources. Printouts in the form of photocopies of original documents or in digital form in CDs and DVDs are provided to the users.
- j) **Reading List/Bibliographic Compilation:** Reading lists and bibliographies are provided to the users on the basis of the demands from them.
- k) **In-house/remote access to e-resources:** The Local Area Network (LAN) in the campus provides remote access to the digital resources available with the INFONET programme of the INFLIBNET. All the teaching departments are covered in the LAN. Moreover, the Wi-Fi facility available in the campus helps the users to have access to the digital resources even outside the teaching departments.
- l) **User orientation:** The user orientation programmes of the library include the following activities.

- ◀ The students admitted to the various post graduate departments in the campus are given orientation to the resources and their use at the beginning of the academic year on a regular basis.
- ◀ The participants of the Refresher/Orientation Courses of UGC-Academic Staff College, University of Calicut are given orientation and training in using the resources available with the INFONET, as part of the requirement of their course.
- ◀ Library orientation is provided to the students and faculty of the colleges affiliated to the University, as and when they make such visits to the library.
- ◀ Library orientation is given to the school students also who visit the library in groups along with their teachers.

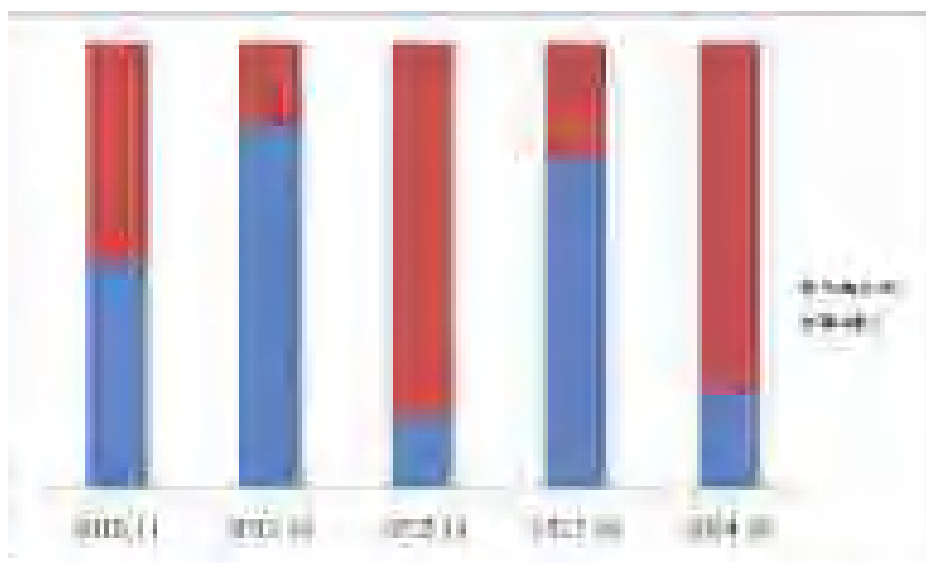
m) Assistance in Searching Databases: The INFONET section is fully equipped with all the facilities for searching, downloading and copying the documents in digital form. To assist each user the service of the library professionals is available in the section.

n) INFLIBNET/IUC facilities: University of Calicut is a member of the UGC-INFONET Consortium and the resources of the INFONET are available from the very inception of the consortium, i.e., in 2004. The resources available in the library are:

e-journals : 8,932
 e-books : 10,262
 Bibliographic Data bases : 3

4.2.8 Details of the annual library budget and the amount spent for purchasing new books and journals.

Year	Books	Journals	Total
2010-11	9,99,988	9,74,952	19,74,940
2011-12	64,56,412	14,99,710	79,56,122
2012-13	3,50,150	17,98,453	21,48,603
2013-14	53,93,359	18,99,876	72,93,235
2014-15	5,79,812	20,99,949	26,79,761



Books Added

Year	No. of books added
2010-11	1107
2011-12	2073
2012-13	1050
2013-14	3932
2014-15	1027

Subscription to Journals

Year	Number of Journals		
	Indian	International	Total
2010-11	89	28	117
2011-12	184	38	222
2012-13	199	45	244
2013-14	182	42	224
2014-15	139	38	177

4.2.9 What initiatives has the University taken to make the library a ‘happening place’ on campus?

The University has entrusted the library to verify the genuineness of the research theses and articles of the research scholars of the various teaching departments. The research scholars make constant visits to the library for reference, plagiarism checking, etc. A large number of IT related queries are handled by the professional staff of the library on a day to day basis and the library becomes a vibrant and happening place for the students and faculty. A few programmes organized by the Library are:

- ◀ Exhibition of rare books
- ◀ Frequent user education programmes on e-resources

4.2.10 What are the strategies used by the library to collect feedback from its users? How is the feedback analysed and used for the improvement of the library services?

The library has the practice of collecting the feedbacks from the library users regularly at the end of each academic year, as majority of the users are students and are going to leave the campus soon after their examinations. As the data are collected at the end of the academic year the students will be much experienced with the services offered by the library and can make matter of fact statements.

The requirements of the users at the individual level are considered separately and feedbacks at the group level are analysed to the satisfaction level and the mean values are considered to reach at some conclusions. A large number of studies have been conducted by the MLI.Sc. students and Research Scholars of the Department of Library and Information Science of this University about the functioning of the University Library and have published the findings through their dissertations and theses. The suggestions put forward by them forms a strong basis for the improvements in the functioning of the library.

The opinions collected from the users will be of much help to the library staff in designing the service strategies for the coming years. The same questionnaire is used for collecting the feedbacks from the other categories of members also.

4.2.11 List the efforts made towards the infrastructural development of the library in the last five years.

- ◀ The Information and Communication Technology Centre for Visually Challenged was launched in the C. H. Mohammed Koya Library in 2010. The aims of the centre are:
 - i. to empower the visually challenged with computer literacy
 - ii. to provide accessible books and study materials to the visually challenged and help them to perform much better in the examinations
 - iii. to enable the visually challenged to enhance their knowledge and provide more chances of getting better employment opportunities.
- ◀ To achieve the above objectives basic courses in data entry programme for 6 weeks were conducted and 20 students from 5 batches benefitted from it. Afterwards, for the empowerment through reading books, conversion of printed materials into an audio format called DAISY was started. The ICT centre is engaged in:
 - i. converting the study materials of the School of Distance Education, at the undergraduate and postgraduate levels, into an audible format.
 - ii. helping the visually challenged in browsing the materials available in the websites with the help of software that convert text into audio.
- ◀ In addition to the above the centre has converted more than 210 popular books, both in English and Malayalam, into DAISY format, aiming at the visually challenged.
- ◀ The Secondary Stack section is opened for arranging secondary collection and bound volumes of journals. All the non-service areas and entire stack section got tiled in order to give a good ambience to the library. A ramp and a special toilet cum wash room have been constructed for helping the differentially abled library users. Digitization of Ph.D theses has been started under the Shodhganga project of UGC-INFLIBNET Centre. A new ICT Section was started to undertake and coordinate the automation and ICT related activities of the library. Other major initiatives are;
 1. Beautification of library premises with interlocking tiles and garden
 2. New UPSs installed for ensuring power backup to all sections of the library
 3. A new book scanner procured for digitization work
 4. New water cooler installed
 5. CCTV surveillance installed covering major sections of the library
 6. Solar power panel installed
 7. Digitization of Ph.D theses
 8. Facilities and services for physically challenged and visually impaired
 9. Painting and repair work of the Library building.

4.3 IT Infrastructure

4.3.1. Does the University have a comprehensive IT policy with regard to:

IT Service Management

- ◀ Computerization of the various branches of our University started in 1993 with the computerization of Provident Fund. For this purpose we have developed a software using dbase as its database in DOS environment.

- ◀ After the successful implementation of this project University has decided to computerize its Finance branch.
- ◀ From the year 2000 onwards we have started using free and open source tools under Linux OS for the development of software.
- ◀ A development centre has been setup with 10 programmers for developing applications for various purposes.
- ◀ Designed a website using Joomla frame work and hosted in University Server using apache as web server under Linux OS.
- ◀ The University of Calicut has embarked on a series of ICT schemes aimed at not only bettering but also buttressing the existing academic system.
- ◀ In December 2013 Calicut University was declared as the **First Digital University in Kerala.**

Information Security

- ◀ The information security policy is intended as a framework to keep the University information safe and secure. The policy is formed for students, staff, administrators and public. The following are the major steps practiced in this policy:
 1. Only licensed software along with Free and Open Source Software are used for different activities.
 2. Regularly updating and using the latest versions of security software and applications.
 3. Strong passwords and biometric and token based access controls are implemented for different information storage devices and are changed at different intervals.
 4. Security is ensured using encryption methods, digital signatures, etc. during storage and data transfer through networks.
 5. Physical access to storage is controlled by keeping the storage in biometrically access controlled tier 3 level data centre.
 6. Backing up of data is done at different intervals on a daily and weekly basis depending on the critical nature of the data.
 7. Access and use of information that are not expected to be used by any person is prevented.

Network Security

- ◀ The Network security policy is intended for the use of students, staff, administrators and public. The following are the major steps practiced in this policy.
- ◀ Access to network is controlled using different methods at different levels such as using passwords and IP settings of clients.
- ◀ Passwords or network access are changed regularly.
- ◀ The network usage is closely monitored for identifying any possible threats.
- ◀ Access to social networking, offensive and commercial websites are controlled.
- ◀ Installation and use of downloaded software is prevented.
- ◀ Open ports in networks are always kept closed.
- ◀ Unauthorized changing of the configuration settings of the network is prevented.
- ◀ Security audit is conducted on regular basis to identify possible weak points and to correct them.

Risk Management

- ◀ Risks can be either man made or naturally developed one. The risk management is achieved in the University by the following methods.
- ◀ Using continuous power sources such as generators to overcome power failures.
- ◀ Replicating data storage in remote multiple locations.
- ◀ Using unified threat management devices and updated security software.
- ◀ Using open source and backward compatible applications and devices.
- ◀ Using expandable type devices in required areas to overcome capacity related issues.
- ◀ Engaging multiple persons and changing their roles in software development and implementation.

Asset Management

Software asset management policy is designed to reduce the cost of ownership of software and to increase the level of usage of software asset in the University. The different steps associated with software asset management policy are as follows:

- ◀ Only legal software is allowed for use. Use of free and open source software is encouraged to reduce the cost of ownership.
- ◀ Software is used as per the terms and conditions of the license.
- ◀ A register for keeping the stock of software is maintained and is updated regularly.

Open Source Resources

The major steps associated with open source resources policy implementation include the following:

1. Open resources in education, administration and other activities are encouraged.
2. Use open source resources in hardware, Web, databases, OS and Software development.
3. Encourage the use of open source resources by conducting regular classes and training.
4. Make available the source code of developed applications for collaborative development and study.

Green Computing

The policy of green computing is to conserve the power source available thus increasing energy efficiency. The steps involved are as follows:

- ◀ Use power saving devices.
- ◀ Consolidate devices and servers in a centralized manner in data centres.
- ◀ Use LED monitors for computers.
- ◀ Reduce the use of paper and use electronic files instead.
- ◀ Conserve energy by switching off computers and other devices when not in use.
- ◀ Use only Energy Star standard devices.
- ◀ Increase the use of recycled materials.
- ◀ Reduce the use of CD and DVD.

4.3.2 Give details of the University's computing facilities i.e., hardware and software.

- ◀ **LAN facility:** All teaching departments have LAN connected computer labs.

- ◀ **DDFS:** The Administrative branches are connected through LAN and Digital Document Filing System (DDFS) is implemented for file transfer.
- ◀ **Internet facility:** All computers in various labs and the central library are connected to the University backbone, thus connected to the internet. Faculty members are provided with laptop/computers and WiFi connectivity is provided to all members and student, research, faculty and non-teaching communities.
- ◀ **Number of nodes with internet facility:** Altogether the number of computers connected to internet may come around 800 plus.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

IT Infrastructure

- ◀ Calicut University Computer Centre has been instituted to take lead for the in house development of software systems.
- ◀ University Data Centre with 18 numbers of high end Linux Servers and San storage
- ◀ Secure Campus Wi-Fi connectivity with 160 access points
- ◀ Building to Building Wi-Max Connectivity
- ◀ 40 seated Staff Training Centre and Web Centre
- ◀ NKN Connectivity
- ◀ Campus wide OFC Network
- ◀ Leased Line Internet connectivity (BSNL and ASIANET)
- ◀ Installed 800+n Computing devices as clients so as to minimise energy consumption and e-wastes

Following major software systems have been implemented based on the above IT infrastructure facilities:

I. Administration

- i) **Digital Document Filing System - towards paperless office:** Administration computerization starts with the implementation of DDFS in all administrative sections, academic departments and remote centres of University of Calicut. DDFS covers the entire life cycle of a document in the Calicut University, beginning with the creation of a tappal and ending with the closing of the file. Rich and user friendly interface enables the users to work effortlessly with their files. The system is highly secure with each operation monitored and audited. DDFS ensures the integrity of data and to reduce the number of documents presented to the user. Only those documents that are relevant to his or her role are presented. Paper documents can be entered onto an EDMS by simply scanning images of them. DDFS allows keyword searches.

DDFS User Statistics

Total Active Users (Active users with active seats)	:	1,216
Total Inwards	:	1,82,202
Total Files	:	33,196
Total Drafts/Documents	:	55,019
Total University Orders	:	13,944

2. **Introduced Biometric Punching system for attendance:** Biometric punching has been introduced to teachers, non teaching staff, researchers and M.Phil. students to ensure punctuality of attendance and also to provide electronic access to each staff member/researcher to the attendance marking system.

II. Finance

The Finance branch of the University has been completely automated with the following facilities:

1. **CUFIN:** Developed and implemented in 2003 for salary preparation. Python and glade are used as frontend and python and postgresQL database is used as back end. This software has been shared with Kerala University, MG University and Kannur University.
2. **Employees' Spot:** Provides employee salary details, leave details etc. Online <http://202.88.252.18/CuPbOnline/site/index.php>
3. **Pensioners Spot:** <http://202.88.252.8/pension/>
4. **Dinero:** University accounting software: Developed in Yii frame work and mysql database.
5. **Calicut University instant web payment system (e-Payment):** Introduced the e-payment system to remit various University fees through online in collaboration with State Bank of Travancore. <https://www.uoc.ac.in>.

- ### III. Examination Applications:
- Developed plenty of applications for this purpose. All activities of examination wing have already been computerized. All the applications for examination purpose are developed using Python, PHP and postgresQL. All are web applications. Apache is using as web server.

- ◀ Online exam Notifications
- ◀ Online exam Registrations
- ◀ Online Hall Ticket Issuing
- ◀ Online Examination Results
- ◀ Online Revaluation Application Processing
- ◀ Degree Certificates with the Digital Signature of the Vice-Chancellor.
- ◀ **Online Certificate Verification System:** Online Certificate Verification System is being provided through www.cudirectverify.in (In collaboration with myeasydocs)

- ### IV. Admission and Placement:
- Centralised Single Window Admission System (www.cuonline.ac.in) has been developed for UG and PG admissions. University Placement Portal (www.cuplacements.in) has been developed for placement assistance.

- ### VI. Research:
- Research Portal has been started for all matters related to research admissions, progress monitoring and processing of research projects.

Recent Advancements in the area:

1. **M-Governance:** We are extensively using SMS gateways of Kerala Government and Central Government (esms.kerala.gov.in and esms.mgov.gov.in) for giving SMS to our students while using various online applications like e-payment etc.
2. **Moving to Cloud environment:** Certain applications are already moved to cloud servers for high availability. For this purpose we have purchased 3 Virtual Private Servers.
3. **E-Procurement using state e-procurement facility:** Already started using e-tendering facility for tendering process.

4.3.4 Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching, learning and research.

- ◀ Webcasting by EMMRC
- ◀ Digital Library
- ◀ Learning Management System - Moodle

4.3.5 What are the new technologies deployed by the University in enhancing student learning and evaluation during the last four years and how do they meet new/future challenges?

- ◀ Online Examination facility
- ◀ Implemented Moodle

4.3.6 What are the IT facilities available to individual teachers for effective teaching and quality research?

- ◀ Digital library facility
- ◀ Library Management System in KOHA
- ◀ EMMRC - Webcasting facility

HRDC (ASC) of the University are helping the faculty participants of the various courses conducted by the HRDC by arranging classes on online teaching and learning. Also planning to conduct online classes and courses providing computers and teaching and learning materials through Massive Open Online Courses (MOOCs) through the MOODLE platform.

4.3.7 Give details of ICT-enabled classrooms/learning spaces available within the University? How are they utilized for enhancing the quality of teaching and learning?

As part of introducing smart class room facility, the following items were supplied to various Departments:

Sl. No	Name of the Item	Number Supplied
1.	DLP Projector	68
2.	Laptop	68
3.	Visual Presenter	17
4.	Interactive Board	68
5.	Photocopier	26
6.	PA System	35
7.	Refrigerator	12
8.	Scanner	10
9.	Printer	20
10.	5 KVA UPS	6
11.	High Speed Scanner	1
12.	Desk top Computer	95
13.	Desk top Computer with special software for blind teacher	1
14.	Podium	1
15.	Wireless Mouse	68
16.	Video Camera	1

- ◀ For training teachers/faculty, one smart classroom is arranged at the Conference Hall/ Syndicate Room in the Administration Block.
- ◀ Sufficient training is provided to faculty for using smart class room facility also.
- ◀ Also smart class room introduction is a part of career guidance programme

4.3.8 How are the computers and their accessories maintained?

Warranty system is maintained by the manufacturer/supplier during the warranty period. Computers and accessories that are not under the warranty period are maintained by the University Science Instrumentation Centre(USIC). USIC has qualified and skilled staff to repair and maintain computers and accessories. Highly sophisticated gadgets that cannot be repaired by USIC staff are maintained inviting quotations from competent firms and work is assigned to firms that quote the lowest amount. Cost of spares for repairing is met from the head of account of the concerned department/branch. Faulty components are repaired depending on the fault/damage. Daily approximately 45-70 computer related complaints are attended by the USIC.

4.3.9 Does the University avail of the National Knowledge Network connectivity? If so, what are the services availed of ?

Yes. The University avail the National Knowledge Network connectivity for accessing the digital scholarly resources provided by the UGC Infflibnet Centre. Service provided by the National Knowledge Network is high speed internet and same connection is being used for e-governance and Wi-Fi connectivity in the University. National Knowledge Network is also provided in other centres of the University.

4.3.10 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the University.

Year	Amount (Rs.)
2010-11	11,11,500
2011-12	4,02,23,600
2012-13	80,75,107
2013-14	43,63,872
2014-15	5,30,86,230



4.3.11 What plans have been envisioned for the gradual transfer of teaching and learning from closed University information network to open environment?

- 1) The CEC, the apex body of the EMMRC, has laid out a plan for developing MOOC courses as part of the “Swayam” project of the MHRD. In the initial period, as proposed by the CEC, is to convert the e-content produced in Mathematics to specific MOOC courses. With regard to the same, the Centre has submitted a proposal. The Centre is yet to receive a final confirmation on whether to produce the proposed courses re-purposed from the already developed or to develop new MOOC courses. This project is exclusive to the CEC and EMMRC and produced for the whole Nation as part of the MHRD.
- 2) Specifically to the University, the Vice-Chancellor has entrusted the EMMRC to start webcasting of lectures and programmes so that large number of students enrolled to our University gets the benefit of it. The project was launched in 2013 December. Presently, the Centre is webcasting the lectures and programme produced by the Centre and CEC in different disciplines. Now, the EMMRC has tied up with the SDE to launch a webcasting of lectures for the benefit students enrolled to different SDE programmes. The scope of the project is vast as the live lectures will cater to large no: of students and in the long run, the University can have a data base of lectures on wide-ranging areas.

4.4 Maintenance of Campus Facilities

4.4.1 Does the University have an estate office/designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

Yes. The total area of 225 ha of land in the University, spread over three villages, was neglected for many years and hence there were weedy undergrowths in many parts of the Campus which caused hindrance to the learning ambience of the scholars, free movement of students, staff and public. The buildings in the Campus and staff quarters were surrounded with creepers, bushes and plants. Plants were even growing on the buildings causing damage due to root penetration. Likewise, the University Stadium was fully covered with bushes grown for many years and was not used by the public or students. As a first phase cleaning the bushes, weeding the growth along the sides of main road, footpath, departmental buildings and staff quarters were done. The cleanliness and maintenance of the campus was unattended for the past several years. As a result, there was space for anti-social activities for the miscreants. This situation adversely affected the peaceful academic atmosphere in the campus. Under these circumstances the Estate Development Office was established for developing the University campus with a view to create a learning ambience in the campus. It also aimed at suitable developmental plans and projects for the entire campus area by developing estate and plantations of selected crops and maintaining them scientifically.

Estate Development Office was established in November 2011. Being a drought prone area thrust was given for water conservation works and rain water harvesting structures, measures such as construction of rain water harvesting structures was undertaken. Three water harvesting structure of size 20m x 20m x 5.5m, 20m x 20m x 2.5m, 25m x 25m x 5m was constructed in three different area of the campus. 3000 numbers of moisture conservation pits of size 1m x 1m x 1m and 5 structures of size ranging from 3 x 3 x 2 to 11.5 x 7 x 2 was also dug in the campus to harvest rain water and reduce soil erosion.

A mango orchard of 800 nos. of grafts of 10 different varieties were planted in an area of 5 hector land in the 2012-13 and another 5 hector of land was planted with 890 nos. in 2013-14. These mango trees started bearing fruits. This will serve as a scion bank for the production of

quality planting materials. This orchard can also be utilized by the students and research scholars of the campus. In addition, teak, tamarind and amla were also planted in the campus as part of greening the campus during the year.

4.4.2 How are the infrastructure facilities, services and equipment maintained? Give details.

Maintenance of infrastructure facilities (repairs, plumbing, electricity) are carried out through the Engineering Department. Equipments are maintained through University Instrumentation Centre, AMC and departmental allocation of funds. Other maintenance work is done through Estate officer and security wing.



Criterion-V
STUDENT SUPPORT AND PROGRESSION

**CRITERION V:
STUDENT SUPPORT AND PROGRESSION**

5.1 Student Mentoring and Support

5.1.1 Does the University have a system for student support and mentoring? If yes, what are its structural and functional characteristics?

Yes. University has a good student support and mentoring system and it is followed in teaching departments in the University and affiliated colleges. Under CCSS a course coordinator and staff advisor always function for the welfare of students. The staff advisor helps the student for doing his/her choice of electives, project work etc. whereas coordinator provides overall supervision. The dissertation works of PG and M. Phil. students are strictly under the supervision of research guides and help the students for preparing report/dissertation and for paper publication. There is a mechanism for regular monitoring of students through test papers, discussions, seminars, quiz, etc. and internal marks are awarded through continuous evaluation. SC/ST/OBC students are financially supported through State Government schemes. Students are motivated through placement assistance, seminars, workshops, endowment lectures, club activities, etc. are a few among them. Official Email ID has been provided to each student, to enable communications easier. A mobile telephone number and WhatsApp are provided exclusively for students for filing grievances. Student Adalaths are conducted in the Pareeksha Bhavan occasionally to identify and rectify their grievances.

The Department of Students' Welfare undertakes the following activities for the welfare of students:

1. Board for Adjudication of Students' Grievances has been constituted.
 2. University Level Anti-Ragging Monitoring Cell has been constituted.
 3. University Level Anti Ragging Awareness Programmes are conducted.
 4. Election to the University Union, Departmental Students' Union are conducted regularly and Election Grievance redressal Cell is also functioning.
 5. University Union activities are conducted with student participation.
 6. Works related to the Association of Indian Universities are carried out regularly.
 7. Works related to the Inter University festivals - South Zone and National is ensured.
 8. Awarding grace marks are awarded for arts and literary competitions.
 9. Medical aid is provided to students.
 10. Students' council activities are coordinated.
 11. Activities related to Syndicate/Senate interpellations.
 12. Seminars, workshops and orientation courses are conducted.
 13. Selection of students from affiliated colleges for various programmes.
 14. Foreign Students Affairs are looked after.
 15. Works related to Indian Council for Cultural Relations (ICCR) are coordinated.
 16. Works related to various Scholarships are carried out.
- 5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

Individual counseling and mentoring systems are available. Teachers support and motivate the students individually and collectively. Academic Staff College regularly organizes short term programmes for research scholars on Research Methodology.

Learning Management System recently introduced in the University also supports academic mentoring.

5.1.3 Does the University have any personal enhancement and development schemes such as career counseling, soft skill development, career path identification and orientation to well-being for its students? Give details of such schemes.

Workshops are organized occasionally on thesis writing, plagiarism, Research Methodology etc. to instill values of ethics in research. The students in the departments are encouraged to register and participate in all the seminars and workshops organized.

The University Employment Information & Guidance Bureau provides Educational and Career Guidance to the students and other job aspirants. The services of an Employment Officer are available as Deputy Chief. The activities of the Bureau are monitored by a member of the teaching faculty of the University, who is the Chief of the Bureau. Collection and dissemination of Educational/Occupational Information for the benefit of the youth is its mandate. They also conduct individual and group guidance and counseling for empowering the students with various challenges.

Various activities for improving the Employability and self confidence of the educated job seekers organized using the funds from the University are as follows:

Career Guidance Activities: During the year, 2011, One day coaching class was conducted and a total of 136 candidates attended the class. 169 students attended individual guidance sessions and 223 students were given individual information. 6 group discussions were conducted and a total of 40 candidates attended the group discussions. 27 Career Talks were delivered at various educational and other institutions and a total of 1716 students attended.

i. After +2 What? – Career Counselling Seminars

Five different one-day career counseling seminars for +2 students seeking admission for higher studies were conducted during June-July 2011 at the University centres coming under the jurisdiction of the University viz., University Campus, UTEC Kaniyambatta, UTEC Kozhikode, UTEC Koduvayur and John Mathai Centre, Thrissur. Eminent career experts and trainers took classes in the seminar sessions. 300 students attended these seminars.

ii. Career Counselling Workshop series for Campus Students

A career counselling workshop series targeting the third semester students of the teaching departments of the University Campus was conducted in November 2011. Eminent academicians, faculty members, and professional trainers took classes. The workshop series was aimed at exploring new areas, openings and opportunities for the students of various courses conducted by the University. The focus of the workshop was better job search skills, opportunity awareness and self development. Seven different one-day workshops for each subject combination viz, Social Sciences, Material Sciences, Physical Sciences, Bio-Sciences, Languages and Literature, Commerce & Management and Library Science & Journalism were conducted.

UGC Career and Counselling Cell: The UGC Career and Counselling Cell has started functioning in the University Employment Information and Guidance Bureau, Calicut University in the year 2011. The functions of the career and counselling cell envisaged in the UGC Plan guidelines are as follows.

- a. To gather information on job avenues and placements in different institutions and concerns related to the courses that the University offers.
- b. To analyse information in the local, regional and national contexts to explore its relevance and utility for the students in their placements and on job training.
- c. To organize seminars and guidance workshops for informing students about the emerging professional trends and events, job profiles, leadership roles, entrepreneurship, market needs and risks and implementation of national socio-economic policies and to impart training on soft skills.
- d. To promote discipline, healthy outlook and positive attitudes towards National Integration and removal of narrow provincial preferences and prejudices.

The career and counseling cell organized various programmes in the University and its affiliated colleges during 2011-12 as detailed below.

Orientation workshops for College Teachers

- i. Trainers Training Programme
- ii. Career Counselling Seminars at 5 District Centres
- iii. 7 Career workshops for students on University Campus Departments
- iv. 35 One-day programmes in various affiliated colleges
- v. Two-day career guidance & soft skill training programme for tribal students (Jointly with ITSR)
- vi. Empowerment workshop for SC/ST students.

In 2013-2014 the following activities were organized:

1. One day seminar on career development of students of the teaching departments of the University – 18 one day seminars were organized and a total of 1050 participants attended the seminar sessions.
2. Soft Skill training programme for PG Students of the University campus - The Soft Skill training programme under the UGC Career & Counseling Cell was envisaged as a first step in preparing an elaborate plan of action to address the issue of skill gap among the students on the campus. Initially, the programme was planned as a 5 days programme for 2 batches of 40 students each, but due to some practical problems and University semester exams etc, the programme was re-scheduled as a 10 day's evening programme. CREST (Centre for Research and Education for Social Transformation), Chevayur, Kozhikode, an autonomous institute under Government of Kerala (formerly centre of excellence IIM Kozhikode), provided the resource support for the training programme.
3. Workshop on Higher Education opportunities and Career avenues for ST students of Wayanad District.-

It is well known that, scheduled tribe community, being the most backward section of the population of Kerala is facing the hard realities of their existence and livelihood in the present day society. They suffer financial, educational and social backwardness along with landlessness, malnutrition and social exclusion.

Though Kerala is moving on an accelerated path of development in the field of higher education, the fruits of these changes are out of the reach of many of the weaker sections of the society. Youth belong to scheduled caste and scheduled tribe are far behind in getting opportunities for employment and attaining ranks in competitive examinations and in building a successful

career. Even educated youth are not fully aware and not capable of utilizing the opportunities. Even people with awareness are not able to get over the social and community barriers with self confidence and support. The UGC Career and Counseling Cell organized a career workshop for ST students of wayanad district with the objectives of providing atotal awareness on opportunities in higher education research and career building for a group of tribal students undergoing graduate studies in the college of Wayanad District; to form tribal students peer groups having confidence and awareness with a long term perspective for attaining opportunities in higher learning, research and placements of repute; to provide a platform for various agencies contributing in the higher education and placement services, to discuss and formulate a plan to support the tribal students in their career building and employability enhancement needs.

In 2014-15 the following seminars/workshops were conducted for the benefit of students of various teaching departments:

Sl. No	Department	Date	No of students attended	Name of the Seminar/ workshop sessions
1	Arabic	31.07.2014	85	One day workshop on social sites and Arabic communication skills
2	Botany	05.08.2014	60	Opportunities in Plant Science and allied disciplines
3	Folklore	12.08.2014 to 14.08.2014	38	Three day workshop on preparation of traditional herbal medicine
4	Hindi	26.08.2014 to 27.08.2014	61	Career opportunities in official language Hindi
5	Sanskrit	27.08.2014 to 29.08.2014	51	Sastraic Tradition and Modern research
6	Russian & Centre for comparative	27.08.2014	50	Comparative Literature – New literature trends & emerging prospects

5.1.4 Does the University provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes. As the fee is nominal for government aided courses in the campus, usually campus students do not avail bank loans. University provides all documents required for the processing of loans from banks whenever necessary.

5.1.5 Does the Department/University publish its updated prospectus and handbook annually? If yes, what are the main issues/activities/ information included/provided to students through these documents? Is there a provision for online access?

Yes. The details of each programme are available online in the University web site. The University also publishes Academic Calendar to enable the students to plan the activities well in advance. Further, the Handbook on CCSS published by the coordinator of CCSS also enables students to know about the core and elective courses offered and other common rules and regulations.

5.1.6 Specify the type and number of University scholarships/freeships given to the students during the last four years. Was financial aid given to them on time? Give details (in a tabular form) for the following categories: UG/PG/M.Phil/Ph.D./ Diploma/others (please specify).

The University provides University Fellowship of Rs. 1500.00 per month for M.Phil. Students and Rs. 5000.00 per month for Ph. D. students when they are not getting any other Fellowships. 240 fellowships are provided by the University in this way to Ph.D scholars. The University facilitates the award of other state/national fellowships to research scholars as detailed below:

Details of Fellowships provided to Research Scholars

Sl. No.	Type of Fellowship	2011-12		2012-13		2013-14		2014-15	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount
1	University Fellowship	161	4,217,875	223	4,848,607	131	8,719,002	162	10,251,100
2	CSIR	10	1,326,495	11	1,525,192	7	4,867,199	13	1,325,628
3	ICMR	1	96,000	2	220,699	2	375,183	0	-
4	ICPR	1	6,000	2	41,000	0	-	2	96,000
5	ICHR	4	38,500	0	-	0	-	2	24,500
6	ICSSR	0	-	0	-	2	183,466	2	200,534
7	Paristhithi Poshini	0	-	0	-	1	144,000	1	194,800
8	UGC-JRF/SRF	55	10,534,241	97	19,722,508	150	29,998,571	163	32,627,975
9	DST INSPIRE	1	318,000	1	250,400	5	1,469,634	9	1,446,100
10	KSCSTE	3	446,000	6	1,258,900	7	1,490,685	10	1,417,355
11	UGC-MANF	0	-	6	1,800,000	17	3,264,000	17	2,448,000
12	UGC-PDF	1	380,000	1	380,000	0	-	1	446,000
13	UGC-BSR	3	540,000	6	1,260,000	0	-	10	1,188,855
14	RGNF	22	3,852,221	19	3,491,799	13	2,389,125	19	2,736,000
15	Emeritus Fellowship	1	240,000	2	540,000	1	332,727	2	394,586
16	PDF	0	-	0	-	0	-	2	454,500
	Total	263	21,995,332	376	35,339,105	336	53,233,592	415	55,251,933

5.1.7 What percentage of students receives financial assistance from state government, central government and other national agencies (Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)?

Major scholarships distributed in this way are Aspire Scholarship for the PG/M. Phil., Ph.D. students for doing short-term internships/projects in Research Institutions other than their parent Colleges/University Departments. The amount shown below each year was distributed among the scholars as Aspire Scholarship:

2010-2011 – Rs.20,00,000/-

2011-2012 – Rs.20,00,000/-

2012-2013 – Rs.15,00,000/-

2013-2014 – Rs.25,00,000/-

5.1.8 Does the University have an International Student Cell to attract foreign students and cater to their needs?

A large number of foreign students are approaching the University every year for admission to various courses including Ph. D. programmes. Students, on a special scholarship scheme of the Central Government and ICCR, were admitted to various degree and PG courses in the affiliated colleges and University departments during this period. 124 foreign students from various countries, sponsored by ICCR and self financing, were admitted to various degree and PG Courses in the affiliated colleges and University Departments. A list of foreign students admitted during the period is given in Annexure I. It may be noted that our University is having the maximum number of foreign students from among the Universities in Kerala for the last many years. Separate hostel facilities are available for accommodating foreign students in the campus.

5.1.9 What types of support services are available for:

- Overseas students:** Admission is given when applied. Separate hostel facility is provided for foreign students. Office of the Students Dean coordinates all activities of foreign students. A large number of foreign students approaching the University every year for admission to various courses including Ph.D. programmes students, on a special scholarship scheme of the Central Government and sponsored by the ICCR, are admitted to various degree and PG courses in the affiliated colleges and University departments during this period. 124 foreign students from various countries, sponsored by ICCR and self financing, were admitted to various degree and PG Courses in the affiliated colleges and University Departments.
- Physically challenged/differently-abled students:** Mandatory reservation is available for physically challenged/differently-abled students for admissions. Additional facilities are also provided. Ramps are provided in main central facilities like the University Library and Tagore Niketan. Lift facility is available in the Administrative Block. Washroom facility is available for physically challenged students in the library. Ramps are available in many buildings and more are under construction. New buildings designed considering these aspects are coming up. The classes for differently abled students are arranged in the ground floor to the maximum extent possible. ICT Centre for visually challenged has been established in the Central Library. A novel botanic garden for visually challenged is being established in the CUBG. Scribes are provided for blind students for University examinations.
- SC/ST, OBC and economically weaker sections:** Free education is provided to all SC/ST and non creamy layer OBC students. Students from economically weaker sections are also provided with different scholarships irrespective of their community. UGC supported Minority Coaching Centre is efficiently functioning in the University under the leadership of a faculty member.
- Students participating in various competitions/conferences in India and abroad:** First prize winners of Interzone Arts Festivals are being awarded grace marks & cash prizes.
- Health centre, health insurance etc.:** There is a well equipped health centre with doctors and pramedical staff.
- Skill development (spoken English, computer literacy, etc.):** Spoken English and skill development programmes are occasionally arranged.
- Performance enhancement for slow learners:** Personal attention is given under CCSS. A course coordinator and staff advisor always function for the welfare of students.

- ◀ **Exposure of students to other institutions of higher learning/ corporate/business houses, etc.:** Career awareness classes are given and study tours are conducted.
- ◀ **Publication of student magazines:** Students magazine is published every year by the Departmental Students Union. Chronicle– a laboratory news paper is published regularly by the students of Department of Mass Communication and Journalism.

5.1.10 Does the University provide guidance and/or conduct coaching classes for students appearing for Civil Services, Defense Services, NET/SET and any other competitive examinations? If yes, what is the outcome ?

Minority Coaching Centre and Department of Lifelong Learning and Extension arrange programmes in this direction. Various departments like Chemistry, Education etc. are organizing coaching classes for CSIR/UGC/NET. About 20-30% students clear such examinations in first appearance.

5.1.11 Mention the policies of the University for enhancing student participation in sports and extracurricular activities through strategies/schemes.

Additional academic support and academic flexibility in examinations are provided to participants in sports and games. Special examinations are conducted for them. Condonation of shortage of attendance is provided. Grace marks are awarded to all eligible candidates. Separate seats are reserved for admission under sports quota. Mess is provided base on special dietary requirements.

5.1.12 Does the University have an institutionalized mechanism for students' placement? What are the services provided to help students identify job opportunities, prepare them for interview, and develop entrepreneurship skills?

Yes. University provides multiple avenues to the students in getting placement to the benefit of the students in the campus as well as affiliating colleges. University has started a Placement Cell (2010) with a dedicated office and placement co-coordinator which organises placement activities in the Campus. The Placement Cell of the University is entrusted with the responsibility of serving both the job seekers and job givers.

The Placement Cell will also offer awareness and competence building programmes for the job seekers. It will also help for changes in curricula and pedagogy on campuses based on the feedback from and the demands of the industrial and service sectors. The Placement Cell, look forward to creating highly valued partnerships with recruiters, students, alumni and well-wishers of the University and remains committed to delivering a hassle free and productive recruiting and placement experience. It also offers free of cost services to the recruiters and the student job aspirants through its web portal www.cuplacements.in. Some recruitment agencies come to the campus and conducts placement activities at the initiatives of the student's representatives.

5.1.13 Give the list of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last five years).

Sl. No	Company Visited	Year	Number of students recruited
1	XLDynamics India Pvt Ltd. (Mumbai)	2012	15
2	Infosys BPO	2013	38
3	Muthoot Fin Corp Ltd.	2014	23

4	Infosys BPO	2014	30
5	Tech Mahindra Ltd.	2015	46
6	ICICI Bank	2015	Not received the exact count
7	Tata Consultancy Services Ltd.	2015	Not received the exact count
8	Infosys BPO	2015	48
9	Azimpremji Foundation	2015	15

5.1.14 Does the University have a registered Alumni Association? If yes, what are its activities and contributions to the development of the Department/ University?

Yes. Alumni association conducts academic and socioeconomic programs independently and in collaboration with concerned departments. Departments also have separate alumni association that organizes programmes for the students of the department.

The following Twelve ex-Calicut University Athletes and players have been awarded the highest sports award (ARJUNA AWARD) of India for their excellence in sports:

Arjuna Award Winners

Sl. No.	Name	Event
1	Dr. P.T. Usha	Athletics
2	M.D. Valsamma	Athletics
3	Rosakutty K.C.	Athletics
4	Mercykuttan	Athletics
5	Saly Joseph	Volleyball
6	Jimmy George	Volleyball
7	K.Samma	Athletics
8	Cyril C. Vellore	Volleyball
9	Anju Boby George	Athletics
10	George Thomas	Shuttle Badminton
11	Sinimole Paulose	Athletics
12	Joseph Abraham	Athletics

5.1.15 Does the University have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

Yes. The statutory Board for Adjudication of Students' Grievances with the Vice-Chancellor as the Chairperson has been functioning very effectively. The Board meets regularly and has been able to redress various grievances, like tampering of internal marks, harassment of students, non-refund of caution deposit by management, imposing of illegal fine, etc. which are brought before the Board. The Board intervenes successfully in helping the students to get their grievances redressed, like getting the internal marks regularized and making necessary enquiries and redressing the harassments of different types faced by the students and actions are initiated against the concerned officials if they violate rules.

The Board conducted 5 sittings during the academic year 2014-15. The Board considered 120 complaints from students of affiliated institutions. The Board examined the complaints in detail and resolved to constitute enquiry committees in necessary cases. Hearing of

complainants and college authorities concerned was conducted. Reports of the enquiry committee and its recommendations were placed before the Syndicate. Recommendations approved by the Syndicate were implemented by the University to redress the grievances of the complainants.

University Level Anti Ragging Monitoring Cell (ULARMC) is functioning in the University. Organized with a target of saying a 'Big No' to ragging in our campuses, the ULARMC has conducted various anti-ragging campaigns in the campus and has actively participated in the anti ragging activities at the district level and state level cells. The ULARMC has considered several complaints/appeals from the students of affiliated institutions. It also conducted independent enquiries, on certain complaints where the Principals/HoDs had failed to act as per UGC Anti-Ragging Regulations. Students found guilty by the Cell were awarded punishments as per the Anti-ragging regulations.

Posters and pamphlets for Anti-Ragging campaign were distributed to various colleges/institutions affiliated to the University. In compliance with the direction of the Hon'ble Supreme Court monthly comprehensive feedback on Anti ragging measures is forwarded to the Governor's Secretariat before the 5th of every month.

- 5.1.16 Does the University promote a gender-sensitive environment by (i) conducting gender related programmes (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details.

University level and Department level complaints committees are functioning in the University. Women's Studies department has academic programmes and syllabus that is intended to promote gender sensitive environment.

- 5.1.17 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 in these cases?

The University has an anti-ragging Committee. Anti-ragging committees are formed in every Department as per the guidelines of the University. Organized with a target of saying a 'Big No' to ragging in our campuses, the ULARMC has conducted various anti-ragging campaigns in the campus and has actively participated in the anti ragging activities at the district level and state level cells. The ULARMC has considered several complaints/appeals from the students of affiliated institutions. It also conducted independent enquiries, on certain complaints where the Principals/HoDs had failed to act as per UGC Anti-Ragging Regulations. Students who found guilty by the Cell were awarded punishments as per the Anti-ragging regulations. An undertaking from all students is obtained from all students at the time of admission in this regard.

Posters and pamphlets for Anti-Ragging campaign were distributed to various colleges/institutions affiliated to the University. In compliance with the direction of the Hon'ble Supreme Court monthly comprehensive feedback on Anti ragging measures is forwarded to the Governor's Secretariat before the 5th of every month. No cases have been reported before these committees.

- 5.1.18 How does the University elicit the cooperation of all its stakeholders to ensure the overall development of its students?

A strong relationship exists between the University and stakeholders and it is reflected in the joint programmes organized for and with them. The University governing bodies like Syndicate and Senate, ensure the representation of such persons. The PTA and Alumni provide scholarships to poor students in various departments. Endowments in the name of former

faculty members are instituted by old students. Seminars and workshops are conducted with the help of Alumni.

5.1.19 How does the University ensure the participation of women students in intra-and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

Our University tries to promote the participation of girls in cultural and extra- curricular activities. As per the Calicut University Arts Festival rule, there are about 70 items in the University Arts Festivals. Out of which 4 items (Mohiniyttam, Thiruvathirakali, Oppana and Margam Kali) are exclusively for girls, 7 items are for girls and boys separately and about 55 items for general i.e., the boys and girls can participate. For the last 5 years, participation of the girls in the Arts Festivals is increasing.

5.2 Student Progression

5.2.1 What is the student strength of the University for the current academic year? Analyse the Programme-wise data and provide the trends for the last four years.

Student Progression	Percentage
PG to M.Phil.*	About 20%
PG to Ph.D.	About 20%
Ph.D. to Post-Doctoral	About 5%
Employed	
• Campus selection	5%
• Other than campus recruitment	60%

5.2.2 What is the programme-wise completion rate during the past five years?

More than 90% of the students admitted to PG and M. Phil. Programmes complete their course. 955 scholars complete their work successfully.

5.2.3 What is the number and percentage of students who appeared/ qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.?

About 20% of PG students clear National competitive tests successfully.

5.2.4 Provide category-wise details regarding the number of Ph.D./D.Litt./D.Sc. theses submitted/ accepted/ resubmitted/ rejected in the last five years.

Department	Number of Ph.D. Theses		
	Submitted/Accepted	Resubmitted	Rejected
Arabic	20	-	-
Biotechnology	4		
Botany	28		
Chemistry	29		
Commerce	12		
Economics	2		
Education	30		
English	9		

Folklore	2		
Hindi	17		
History	12		
Journalism	6		
Library & Inf.Science	3		
Life Science	7		
Malayalam	37	1	
Mathematics	9		
Philosophy	11		
Physics	24		
Psychology	11		
Physical Education	2		
Sanskrit	15		2
Statistics	8		
Zoology	18		
Total	216	1	2

5.3 Student Participation and Activities

5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the programme calendar and provide details of students' participation.

Sports activities:

- 1) Summer Coaching Camp 2013: Summer Coaching Camp was conducted from 8th April to 3rd May, 2013. Altogether 133 youngsters from the age group 8 to 18, participated.
- 2) Summer Coaching Camp 2014: Summer Coaching Camp was conducted from 22nd April to 21st May, 2014. Altogether 133 youngsters from the age group 7 to 17 participated in the camp.
- 3) Summer Coaching Camp 2015: Conducted from 20th April 2015 to 21st May, 2015. 115 students were enrolled in the camp.
- 4) Promising Youngster camp from 2010 to 2014 were conducted in Football, Volleyball, Athletics, Kho-Kho, Cricket, Handball for the youngsters at +2 level participated in each discipline. The camps were conducted for 7 days in the month of August every year.
- 5) Mother's Fitness programme- started in the year 2013-14. In 2013-14, altogether 30 mothers registered and got physical training from experts.
- 6) Fitness centre: Started on 1st October, 2012. It is open to staff, students, scholars, mothers and children.
- 7) Sports fest 2013 & 2014 – In 2013 & 2014, Sports fests were conducted in the month of March. Staff and students of the University participated. Games and sports conducted among different age groups.
- 8) In 2012-13, Chess (M&W) – South Zone Inter University Tournament and Kho-Kho (W) - South Zone Inter University Tournament were conducted by the University.
- 9) In 2013-14 Kho-Kho (M) – South Zone & All India Inter University Tournament were conducted.
- 10) In 2014-15 Football (M) - South Zone Inter University Tournament

Interzone arts Festivals:

1st place winners of the college arts festivals are eligible for participation in the Zonal Festivals. The first and second place winners of the Zonal Festivals are eligible for participation in the Inter Zone Arts Festivals. Venues of the Inter Zone Arts Festivals held in the last 5 years are as follows:

Year	College	Festivals held in
2010-11	Malabar Christian College, Calicut	April, 2011
2011-12	Sree Krishna College, Guruvayur	April, 2012
2012-13	Govt.Arts & Science College, Calicut	April, 2013
2013-14	Govt.College, Malappuram	May, 2014
2014-15	Calicut University Campus, Malappuram	May, 2015

5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University/State/Zonal/National/International, etc. during the last five years.

Our University team participated in the South Zone and National Inter University Youth Festivals held for the last five years. The achievements of our University in the festivals are as follows.

- ◀ 27th South Zone Inter University Youth Festival was held at Sathyabhama University, Chennai, during 2011. Our University participated in 15 items and bagged 10 prizes including 1 first prize, 6 second prizes and 3 third prizes.
- ◀ 28th South Zone Inter University Youth Festival was held at Gulbarga University, Gulbarga, Karnataka in 2012. Our team participated in 15 items and bagged 2 first prizes, 2 second prizes and one third prize.
- ◀ 29th South Zone Inter University Youth Festival was held at Bangalore University, Bangalore during 2013. Our team participated in 16 events and got prizes in 8 items, which include One Ist prize, 3 second prizes and 4 third prizes.
- ◀ 30th South Zone Inter University Youth Festival was held at Thumkur University, Thumkur during 2014. Our team participated in 17 items and got 13 prizes including 3 first prizes, 3 second prizes and 7 third prizes.
- ◀ Notable Achievements of the Department of Physical Education are given below:

Sl. No.	Item	Position in		Name/Team
		South Zone	All India	
2010-11				
1	Volleyball (W)	III		(Team)
2	Volleyball (M)	II	II	(Team)
3	Power Lifting (M)	—	I	(Team)
4	Badminton (M)	—	I	(Team)
5	Athletics (W)	—	I	(Team)
6	Athletics Overall (M&W)	—	I	(Team)

7	Cross Country (W)	—	II	Shobha. V.V Thara M.D.
8	Cricket (W)	—	III	(Team)
9	Kho-Kho (W)	I	II	
10	Power Lifting (M)	—	II	Pramod. V.V Subheesh. P.S
11	Softball (M)	—	II	(Team)
12	Waterpolo (M)		III	(Team)
13	Best Physique (M) 80Kg.	—	II	Musadhik K.T.
14	Best Physique (M) 90+Kg.		III	Niyas P.M.
15	Boxing (M)	—	III	Jithin K.R. Akhil Lal Babu Tinson Joseph V.J.
16	Judo (M)	—	II	Sarath Chandran
17	Power Lifting (W)	—	III	Sumi George
18	Swimming (W) 4x200 Free Style Relay	—	III	(Team)
19	Weight Lifting (M) 56Kg.	—	I	Karthik K.G.
20	Weight Lifting (M) 105Kg.	—	III	Krishnakumar C.R.
21	Athletics (M) – 110M Hurdles	—	III	Joyal Joseph
22	Athletics (M) – 800M	—	I	Neeraj C.M.
23	Athletics (W) – 10000M	—	I	Thara M.D.
24	Athletics (W) – 5000M	—	II	Thara M.D.
25	Athletics (W) – 400M Hurdles	—	I	Anu R.
26	Athletics (W) – 400x400M Relay	—	II	(Team)
27	Athletics (W) – 400M	—	III	Anu R.
28	Athletics (W) – Heptathlon	—	III	Surya Mol K.
29	Athletics (W) – 5 KM Walk	—	III	Jijimol R
30	Athletics (W) – Half Marathon	—	II	Shobha V.V.
31	Archery (M)	—	I	Solaman Thomas
32	Cricket (W)	I	—	(Team)
33	Fencing (W)	—	III	(Team)
2011-12				
1	Kho-Kho (W)	—	I	(Team)
2	Athletics (W)	—	I	(Team)
3	Cross Country (W)	—	II	
4	Athletics (M)	—	I	(Team)
5	Cricket (W)	—	III	(Team)
2012-13				
1	Volleyball (W)	III	I	(Team)

2	Volleyball (M)	II	II	(Team)
3	Cross Country (W)	—	I	Shobha V.V.
4	Cross Country (W)	—	III	Thara M.D.
5	Cross Country (W)	—	II	Team Championship
6	Kho-Kho (W)	I	II	(Team)
7	Power Lifting (M) 59Kg	—	I	Pramod V.V.
8	Power Lifting (M) 66Kg	—	I	Subheesh P.S.
9	Power Lifting (M) Overall	—	II	(Team)
10	Softball (M)	—	II	(Team)
11	Waterpolo (M)	—	III	(Team)
12	Best Physique(M)	—	II	Musadhikh K.T.
13	Best Physique (M)	—	III	Niyas P.M.
14	Boxing (M) 90Kg	—	III	Jithin K.R.
15	Boxing (M) 69Kg	—	III	Akhil Lal Babu
16	Boxing (M) 57Kg	—	III	Tinson Joseph V.J.
17	Judo (M) 81Kg	—	II	Sarath Chandran
18	Power Lifting (W) 47Kg	—	III	Sumi George
19	Swimming (W) 4x200 FS	—	III	(Team)
20	Weight Lifting (M) 56Kg	—	I	Karthik M.S.
21	Weight Lifting (M) 105Kg	—	III	Krishnakumar C.R.
22	Athletics (M) 110M Hurdles	—	III	Joyal Joseph
23	Athletics (M) 800M	—	I	Neeraj C.M.
24	Athletics (W) 10000M	—	I	Thara M.D.
25	Athletics (W) 5000M	—	II	Thara M.D.
26	Athletics (W) 400M Hurdles	—	I	Anu R.
27	Athletics (W) 4x400 Relay	—	II	(Team)
28	Athletics (W) 400M	—	III	Anu R.
29	Athletics (W) Heptathlon	—	III	Suryamol K.
30	Athletics (W) 5KM Walk	—	III	Jijimol R.
31	Athletics (W) 4x400 Relay	—	II	(Team)
32	Athletics (W) Half Marathon	—	II	Sobha V.V.
33	Archery (M)	—	I	Solaman Thomas
34	Cricket (W)	I	—	(Team)
35	Fencing (W)	—	III	(Sabre Team)
2013-14				
1	Kho-Kho (M)	—	I	(Team)
2	Football (M)	—	I	(Team)
3	Volleyball (M)	—	II	(Team)
4	Kho-Kho (W)	—	II	(Team)
5	Waterpolo (M)	—	II	(Team)

6	Power Lifting (M)	—	III	(Team)
7	Power Lifting (W)	—	III	(Team)
8	Athletics (W)	—	III	(Team)
9	Volleyball (W)	—	III	(Team)
2014-15				
1	Kho-Kho (W)	—	I	(Team)
2	Waterpolo (M)	—	I	(Team)
3	Football (M)	I	—	(Team)
4	Cross Country (W)	—	II	(Team)
5	Power Lifting & Weight Lifting (W)	—	II	(Team)
6	Power Lifting, Weight Lifting & Best Physique (M)	—	II	(Team)
7	Athletics (W)	—	II	(Team)
8	Kho-Kho(M)	—	III	(Team)
9	Handball (W)	III	—	(Team)
10	Handball (M)	III	—	(Team)
11	Fencing Epee Round	—	III	(Team)
12	Swimming (W) 4x100	—	III	(Team)
13	Swimming (W) 4x200	—	II	(Team)
14	Swimming (W) 4x100 Free Style	—	III	(Team)
15	Judo (W) Teakwondo 45	—	III	
16	Judo (M) Teakwondo 68	—	III	
17	Archery (W) Indian Round	—	II	(Team)
18	Athletics (M) 4x100M Relay	—	III	(Team)
19	Athletics (M) 20000M Walk	—	I	
20	Athletics (M) Triple Jump	—	II	
21	Athletics (M) 400M Race	—	II	
22	Athletics (M) Discuss Throw	—	III	
23	Athletics (W) 800M Race	—	I	
24	Athletics (W) 1500M Race	—	I	
25	Athletics (W) 5000M Race	—	II	
26	Athletics (W) 100M Hurdles	—	III	
27	Athletics (W) 400M Hurdles	—	III	
28	Athletics (W) 3000M Steeple Chase	—	III	

5.3.3 Does the University conduct special drives/campaigns for students to promote heritage consciousness?

Yes. The University has a Manuscript library, Folklore Museum and History Museum for the purpose. A programme known as *Moolyam amulyam* is organized for the students to interact with eminent scholars/personnel from outside. Weekly staging of drama programme by reputed drama troupes is a regular programme for the purpose. So far 110 dramas have been staged in this way.

5.3.4 How does the University involve and encourage its students to publish materials like catalogues, wall magazines, and other materials? List the major publications/material brought out by the students for the last four academic sessions.

- ◀ The Chronicle- A magazine from Department of Mass Communication.
- ◀ Rheedea: The official biannual journal of Indian Association for Angiosperm Taxonomy is published from Botany Department.
- ◀ Ecochronicl e- a journal on Environmental Sciences is also published from Botany Department.
- ◀ Gregor Mendel Foundation Proceedings- Online published proceedings of GMF National Seminars being conducted in alternate years by Gregor Mendel Foundation, Calicut University.

5.3.5 Does the University have a Student Council or any other similar body? Give detail on its constitution, activities and funding.

Yes. There is a statutory Departmental Students Union where president is a teacher with student chairman, secretary, joint secretary, general captain, fine arts convener, magazine editor and an executive committee. The University provided funds for the purpose from the fees collected for the purpose.

Directions are given to all the affiliated colleges to conduct the college union elections as per the recommendations of the Lyngdoh committee report and University election rules. Almost all the colleges conduct the elections adhering to the instructions of the University. An election grievance redressal cell, constituted as per the Lyngdoh committee report, also functions to deal with election complaints and has successfully disposed off the issues and complaints related to college union elections.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them. Also provide details of their activities.

Senate, Syndicate, Academic Council, Students Council, IQAC, CCSS Academic Committee, Library committee have student representatives in them.

Any other information regarding Student Support and Progression which the University would like to include.

The research scholars have research forums in most of the departments. They regularly meet and discuss academic matters and other matters of general interest. They organize invited talks and seminars occasionally.



Criterion-VI
GOVERNANCE, LEADERSHIP & MANAGEMENT

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

6.1 Vision and Leadership

6.1.1 State the Vision and the Mission of the University.

The foremost mission of the University is to make quality higher education accessible to the economically and educationally backward northern districts of Kerala with its sizeable minority and tribal population.

The University aims to:

- ◀ Provide leadership and guidance to the generation and dissemination of knowledge through the establishment of higher education institutions within its jurisdiction.
- ◀ Cultivate the habit of scientific thinking and competence.
- ◀ Equip the targeted student community by providing relevant education.
- ◀ Promote quest for excellence by updating teaching learning process.
- ◀ Serve as a catalyst for the overall economic, social and cultural development of the region.
- ◀ Develop a modern residential University with a brand name, taking full advantage of latest technology and ensuring equal opportunities for access to quality education.
- ◀ Offer the academic programmes covering broad areas of Sciences, Humanities, Social Sciences and professional courses spread over nine Schools of Studies (School of Biosciences, School of Business Studies, School of Chemical and Physical Sciences, School of Education, School of Information and communication Sciences, School of Social Sciences, School of Fine Arts and School of Languages and Literature).
- ◀ Create an environment for quality academics by providing necessary infrastructure and support to teachers, students and employees (modern teaching/research facilities, access to knowledge resources, residences for employees and students, stable and regular power and water supply, responsive and efficient administration, scholarships/fellowships, sports facilities, support for students' activities, school for employees' children, incentives for attracting and retaining high quality staff).
- ◀ Offer course curricula on Choice-Based Credit Semester System for UG and PG courses, offering new courses and bringing in need based programmes without having to open new departments for each course.
- ◀ Develop modern ICT based campus integrating administration, academics, library, examination, and finance using campus wide data-voice network, E-governance, links with other universities and a state-of-the-art web- site.
- ◀ Making provisions for community outreach programme of periodic short-term courses for the local community on areas of their concern including training for specialized requirements.
- ◀ Develop the University with an inclusive character having global orientation yet ambassador of local ethos and aspirations.
- ◀ The First University in Kerala with a written Plagiarism policy.
- ◀ First University in Kerala with fully Digital Document Filing System (DDFS.)

6.1.2 Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution's tradition and value orientations, its vision for the future, etc.?

Yes, to achieve its vision, the University of Calicut has formulated a mission plan, which defines the institution's distinctive characteristics with an institutional set up as detailed below:

Authorities of the University:

The following are the authorities of the University:

1. The Senate

The Senate consists of the following members:

Ex-Officio Members

- 1) The Chancellor
- 2) The Pro-Chancellor
- 3) The Vice-Chancellor
- 4) Pro-Vice-Chancellor
- 5) The Finance Secretary to Government or an officer not below the rank of Joint Secretary nominated by him
- 6) The Director of Public Instruction
- 7) The Director of Collegiate Education
- 8) The Secretary to Government or Additional Secretary to Government General Education to be nominated by the Government*
- 9) The Secretary to Government or Additional Secretary to Government Higher Education to be nominated by the Government
- 9A) The Secretary to Government, Information Technology Department or an officer of the Information Technology Department below the rank of Joint Secretary, nominated by him
- 10) The Director of Technical Education
- 11) The Chairman, State Advisory Board of Education
- 12) The Mayor of Calicut
- 13) Seven heads of the University departments who are not otherwise members of the Senate, to be nominated in the order of seniority by the Chancellor by rotation
- 14) Four Deans of the Faculties of the University who are not otherwise members of the Senate, to be nominated in the order of seniority by the Chancellor by rotation
- 15) The Chairman of the University Union

Elected Members

- 1) Seven principals elected from among themselves, of whom two shall be from among principals of Government Colleges, one from among principals of professional colleges and one from among principals of junior colleges.
- 2) Six members elected by the members of the Legislative Assembly of Kerala from among the members representing the electorate of the University area, of whom one shall be a member of a Scheduled Caste, and one shall be a member of a Scheduled Tribe.

- 3) Three members elected by the teachers of the University from among themselves.
- 4) Five members elected by the teachers of Government Colleges from among themselves.
- 5) Sixteen members elected by the teachers of private colleges from among themselves.
- 6) One member elected by the members of the local authorities of each district in the University area from among themselves.
- 7) Two members elected by the registered trade unions in the University area designated by Statutes from among their members.
- 8) One member elected by the members of the non-teaching staff of the University from among themselves.
- 9) Three members elected by the members of the non-teaching staff of the affiliated colleges from among themselves, of whom one shall be a member of the non-teaching staff of a Government College.
- 10) Four members elected by the manager of private colleges in the University area from among themselves.
- 11) Ten members elected by the members of the General Council of the University Union from among full-time students, of whom one shall be post-graduate student, one shall be research scholar, one shall be the student of a professional college and one shall be a lady student.

Other Members

- 1) Two headmasters of High Schools and two teachers of schools, situated within the University area, nominated by the Chancellor.
- 2) Not more than eight members nominated by the chancellor representing (i) recognised research institutions; (ii) recognised cultural associations; (iii) chambers of commerce; (iv) industries; (v) authors; (vi) journalist; (vii) lawyers; and (viii) sports.
- 3) Two members representing linguistic minorities in the University area nominated by the Chancellor-one representing Tamil speaking people and one representing Kannada speaking people.
- 4) Four students nominated by the Chancellor, one having outstanding academic ability in humanities, one having outstanding ability in science, one having outstanding ability in sports and one having outstanding ability in fine arts.
- 5) Not more that four experts nominated by the Government from the fields of Information Technology and Biotechnology.

2. The Syndicate

The Syndicate shall be the chief executive body of the University and shall consist of the following members:

Ex-officio Members

- (a) The Vice-Chancellor.
- (b) The Pro-Vice-Chancellor.
- (c) The Secretary to Government, Higher Education or an officer not below the rank of a Joint Secretary nominated by him.

- (d) The Director of Public Instruction
- (e) The Director of Collegiate Education
- (f) The Secretary to Government, Information Technology Department or an officer of the Information Technology Department not below the rank of Joint Secretary, nominated by him.

Other Members

- (a) Thirteen members elected by the Senate from among themselves of whom;
 - (i) Seven shall be persons who are not teachers, of whom one shall be a person belonging to a Scheduled Caste or a Scheduled Tribe
 - (ii) Two shall be principals of first grade colleges, of whom one shall be the principal of a Government college, and
 - (iii) Four shall be teachers who are not principals, of whom one shall be a University teacher and one shall be a teacher of a Government College.
- (b) One member elected by the Senate from among the members referred to
 - (i) in item (15) under the heading “*Ex-Officio Members*”,
 - (ii) in item (12) under the heading “*Elected Members*”; and
 - (iii) in item (4) under the heading “*Other Members*”, in section 17.
- (c) The members referred to in item (5) under the heading “Other Members” in section 17, nominated by the Government.
- (d) The member nominated by the Executive Council of the Kerala State Higher Education Council from among its members.

3. The Academic Council:

- (1) The Academic Council shall be the academic body of the University.
- (2) The Academic Council shall, subject to the provisions of this Act and the Statutes, have the control and general regulation, and be responsible for the maintenance of Standards, of instruction, education examinations within the University, and shall exercise such other powers and perform such other duties as may be conferred or imposed upon it by the Statutes.
- (3) The Academic Council shall consist of the following members namely:
 - (a) the Vice-Chancellor
 - (b) the Pro-Vice-Chancellor
 - (c) the Director of Public Instruction
 - (d) the Director of Technical Education
 - (e) the Director of Collegiate Education
 - (f) the Director of Research and Studies;
 - (g) the Director of Physical Education;
 - (h) the Deans of Faculties;
 - (i) the General Secretary of the University Union;
 - (j) all the Heads of University Departments of study and research, who are not Deans of Faculties;

- (k) all members of the Syndicate who are not otherwise members of the academic council;
 - (l) five members (other than Deans of Faculties) of whom at least one shall be the principal of a Government professional college, elected by the principals of professional colleges from among themselves;
 - (m) seven members (other than Deans of Faculties) of whom at least one shall be the principal of a Government College, elected by the principals of first grade colleges, other than colleges of oriental languages, from among themselves;
 - (n) two members (other than Deans of Faculties) elected by the Principals of junior colleges from among themselves;
 - (o) the principal of a college of oriental languages, not being a Dean of Faculty, nominated by the Chancellor by rotation according to seniority;
 - (p) one member each of every subject of study (not being a Dean of Faculty or head of a University department or principal elected by the teachers of that subject from among themselves);
 - (q) one headmaster and one teacher of secondary school in the University area nominated by the Chancellor;
 - (r) one member representing each faculty, elected by the full-time post-graduate students of the faculty from among themselves;
 - (s) five external experts to be nominated by the Chancellor.
- (4) Members of the Academic Council, other than the members specified in clauses (a) to (g) of subsection (3), shall hold office for a term of four years from the date of their appointment or nomination, as the case may be: provided that a person who has become a member of the Academic Council in the capacity of a student shall cease to hold office on his ceasing to be a student.

4. The faculties

- (1) The University may have such faculties as may be prescribed by the Statutes from time to time.
- (2) Each faculty shall, subject to the control of the Academic Council, have charge of the teaching and the courses of study and research in such subjects as may be assigned to such faculty by the Ordinance or Regulations.
- (3) Each faculty shall consist of
 - (a) the Chairmen of the Boards of Studies comprised in the faculty;
 - (b) two members elected from each Board of Studies; and
 - (c) not less than five and not more than ten members nominated by the Syndicate.
- (4) Each faculty shall comprise such departments of teaching as may be prescribed by the Ordinance.
- (5) Subject to the provisions of this Act, each faculty shall exercise such powers and perform such duties as may be prescribed by the Statutes.
- (6) The members of faculties mentioned in subsection (3) shall hold office for a period of three years from the date of their nomination or election, as the case may be.

Deans of Faculties:

- (1) There shall be a dean of each faculty, who shall be nominated by the Chancellor in consultation with the Vice-Chancellor
- (2) The Dean of each faculty shall be responsible for the due observance of the Statutes, Ordinance, Regulations and bye-laws relating to that faculty.
- (3) The Dean of a faculty shall hold office for a term of two years and shall be eligible for renomination.

5. Boards of Studies

- (1) There shall be a Board of Studies attached to each subject of study in the University: Provided however that post-graduate studies in each subject may have separate Board of Studies.
- (2) The constitution and powers of the Boards of Studies shall be prescribed by the Statutes.
- (3) Members of Boards of Studies shall hold office for a period of three years from the date of their entering into office.

Boards for each Subject

- (1) There may be separate Boards of Studies in such branches of knowledge as the Syndicate may decide, to deal with matters relating to post-graduate studies.
- (2) The constitution and functions of the Boards of Studies shall be as hereinafter prescribed.

Election of Members from Boards of Studies:

The Election of two members from each Board of Studies referred to in clauses (b) of sub-section (3) of section 26 of the Act, shall be conducted in accordance with the provisions contained in Chapter 1 and 2 of the Calicut University (Conduct of Elections to Various Authorities or Bodies) First Statutes, 1975 and the provisions of Chapter 5 of those Statutes, shall, *mutatis mutandis* apply, in case there is any dispute regarding the election: Provided that Statutes 12 to 23 of Chapter 1 of the said Statutes shall not apply to this election.

Members: Each Board shall consist of –

- (a) the University Professor or where there is no Professor, the Head of the University Department or Section of study or Research in the subject for which the Board is constituted; and
- (b) not less than three and not more than nine other members: Provided that in the case of a subject in which there are two Boards:
 - (i) the number of members in each Board shall not be less than five or more than eleven including *ex-officio* members;
 - (ii) the University Professor or the Head of the University Department or Section, as the case may be, shall be a member *ex-officio* of the Board for post-graduate studies; and
 - (iii) the Chairman of the one Board shall be a member *ex-officio* of the other Board in the subject.

6. The Students’ Council

As per **The Calicut University Act, 1975**

- (1) There shall be a Students’ Council in the University.
- (2) The Students’ Council shall consist of the following members:

Ex-officio Members

- (a) The Vice-Chancellor who shall be the Chairman of the Council.
- (b) The Chairman of the University Union.
- (c) The General Secretary of the University Union.
- (d) The Director, National Cadet Corps.
- (e) The officer-in-charge of the National Service Scheme in the University.
- (f) The Director of Collegiate Education.
- (g) The Dean of Youth Affairs who shall be the Vice-Chairman of the Council.

Elected Members

- (a) Ten members, not being members of the Senate or the Academic council, elected by the members of the General Council of the University Union from among themselves, of whom two shall be women.
- (b) Three members elected from among the full-time students of the departments of the University in such manner as may be prescribed.
- (c) Two members, other than students, elected by the members of the Senate from among themselves.
- (d) One member elected by the members of the Syndicate from among themselves.
- (e) One member elected by the members of the Academic Council from among themselves.

Other Members

- (1) Five students who have distinguished themselves in academic field, sports or fine arts, nominated by the Vice-Chancellor after giving due consideration to the representation of special interests.
- (2) A member nominated by the Vice-Chancellor in consultation with the Chairman of the University Union, from among the elected student members of the Council shall be the Secretary to the Council.
- (3) The members of the Students' Council other than ex-officio members shall hold office for a term of one year from the date of their election or nomination, as the case may be.

7. Finance Committee

- (1) There shall be a Finance Committee to give advice to the University on any question affecting its finances.
- (2) The Finance Committee shall consist of the following members, namely:
 - (a) The Vice-Chancellor who shall be the Chairman;
 - (b) The Pro-Vice-Chancellor, if any;
 - (c) One member elected by the members of the Senate from among themselves;
 - (d) One member elected by the members of the Syndicate from among themselves;
 - (e) One member elected by the members of the Academic Council from among themselves;
 - (f) The Finance Secretary to Government or an officer not below the rank of Joint Secretary nominated by him;
 - (g) The Secretary to Government, Higher Education or an officer not below the rank of Joint Secretary nominated by him.

- (3) The Finance Officer shall be the Secretary of the Finance Committee.
- (4) The powers and functions of the Finance Committee and its procedure in financial matters, including the delegation of its powers, shall be prescribed by the Statutes.

Among these the Syndicate is the apex executive and governing body, the Senate is the supreme decision making body, and the Academic Council is the authority to decide on courses and curriculum and other academic matters of the University. Representation from the different categories of the society is there in different boards and bodies of the University. The three bodies have adequate representation from the divergent set of stakeholders namely University faculty, affiliated college principals and faculty, academic administration as well as eminent personalities of the society. This diversity in the higher bodies enables the leadership to interact with the stakeholders and in identifying the organizational needs. It also promotes a culture of participative management.

6.1.3 Does the University ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?

Yes. The statutory bodies of the University are constituted and notified according to the composition defined in the Statutes. Timely requests for nomination of members to the Executive Council, University Eynidicate and the Selection Committees are sent to the Govt. of Kerala in order to ensure there are no vacancies in these bodies. Meetings of the University Senate, Syndicate, Academic Council and Finance Committee are held regularly. University Senate meetings are conducted at least twice in a year. Additionally, Boards of Studies and Faculties meet regularly and are functioning according to the mandate provided for in the Statutes and Ordinances.

Syndicate/Senate/ Academic Council Meetings from 2011 to 2015		
Meeting	Sessions	Agenda Items
Syndicate	57	4432
Senate	14	139
Academic Council	5	464

a. State their role in ensuring the organization’s management system development, implementation and continuous improvement.

The Chancellor, the Pro-Chancellor, the Vice Chancellor, the Pro Vice Chancellor, and the members of the Senate, the Syndicate, Academic Council and Board of Studies constitute a body of the University who regularly interact to frame suitable leadership policies to lead the University as a team for its academic growth. The Vice Chancellor is the chairman of the Senate, Syndicate, Academic Council, and IQAC. The Vice Chancellor is also the chairman of all selection committees constituted in the University. The University has a clear management system in place to chart the road map of development and perspective planning to be innovative. The University’s management structure ensures continuous improvement by:

- ◀ involving in coordination and interaction with students, faculty and other staff with the objective to ensure smooth functioning and bestowing excellence within the system.
- ◀ involving in motivating and encouraging the faculty to give the best and to build a team spirit among the faculty members in all the departments.

- ◀ interacting with the stakeholders to keep the system vibrant.
- ◀ consulting with the faculty members through various statutory bodies to give right direction in setting the pace for the future

b. State their role in interacting with its stakeholders.

Stakeholders' representatives of the University are members of various statutory bodies and various committees. Such committee meetings are held regularly and views of all stakeholders given due space. Students interact directly with the faculty and the Heads of Departments. All faculty members have direct access to their Heads, Deans, Registrar and Vice Chancellor. All office staff have direct access to their Section Officers who in turn interact with the Assistant Registrars, Deputy Registrars and the Registrar. All other stakeholders like parents and members of the public have direct access with the teaching departments and administrative sections.

c. State their role in reinforcing a culture of excellence.

The University attempts to refine and define the parameters of excellence at all levels, which include academics, organising seminars and conferences, student empowerment and maintenance of support services. The major initiatives in this direction are listed here:

The curriculum is designed in such a manner that students have enough opportunities to engage in activities outside the classroom-learning environment. They are also exposed to emerging areas of research by conducting seminars/workshops in the frontier areas and for interaction with the students. Students are encouraged to participate in national and international seminars. The Research Council is actively engaged in promoting the quality of research through continuous interaction with research scholars. Awards and recognition to teachers and researchers is a healthy practise and this instils confidence in the students and there is academic bonding among students that helps in engaging with the learning process in the University system. The University collaborates with various institutes in India and abroad for multidisciplinary research projects. These initiatives reinforce a culture of excellence in the University.

d. State their role in identifying organizational needs and striving to fulfill them.

The University identifies organisational needs and strives to fulfil them democratically with committed participation. This is achieved through many subcommittees and meetings that address the needs of the institutions. The faculty members, PTA and Alumni in the University and the affiliated institutions are pro-active in establishing linkages with stakeholders as well as interacting with them. The Senate and Syndicate are the vital links with the public and these act as a democratic link with external agencies and Ministries of State and Centre which helps the University in channelizing funds for infrastructural development.

6.1.4 Were any of the top leadership positions of the University vacant for more than a year? If so, state the reasons.

No. Whenever a post falls vacant, immediate charge arrangements are made to see that the functioning of the departments is not affected.

6.1.5 State briefly the mechanism followed for the interaction with students (member in the DC, any forum for the students, participation of the students in various bodies and committees, etc.)

The various departments of the University is having PG, M.Phil. and Research students. The HoDs of the Departments is arranging meetings frequently to interact with the students on common issues and events and activities in the department. As per the Act and Statute of the

University there is a provision for student representation in the DC. Head of the Department discusses the issues/ grievances raised by the students in the next DC if the grievances/ issues not solved then and there. In addition to that the Heads of Departments are regularly meet the students to discuss their problems and convene meeting when there is a specific issue. Another opportunity to discuss the problems of the students is the students' forums. Many departments have forums of the students to conduct various programmes and discuss problems and there is a teacher as advisor to discuss various problems.

At the University level, there are adequate seats are reserved for students in various academic and administrative bodies of the University such as Syndicate, Senate, Academic Council etc. One seat in the syndicate of the University, ten seats in the senate is reserved for the student community,

6.1.6 Does the University promote a culture of participative management? If yes, indicate the levels of participative management. Method/s followed for the monitoring and evaluation of policies and plans (Feedback system)

The University reviews its policies and programmes regularly in the meetings of various statutory bodies. Necessary modifications in the policies and methods of implementation are made based on the discussions in the statutory bodies in which representatives of all the stakeholders are given opportunities to present their views and suggestions.

6.1.7 Give details of the academic and administrative leadership provided by the University to its affiliated colleges and the support and encouragement given to them to become autonomous.

Academic and Administrative Leadership:

The University has setup a full fledged Internal Quality Assurance Cell. IQAC is vigilant and making all efforts to ensuring quality. Academic quality is ensured through the CCSS Cell. It obtains semester-wise students' feedback on faculty and courses. The Heads and Deans discuss the students' feedback on the courses with the teachers and evolve strategies to utilize the feedback for improving the quality. Besides, individual teachers, at their own, take necessary corrective measures based on feedback. Wherever considered necessary, the Vice Chancellor interacts with the individual teachers with regard to their feedback and encourages them to improve upon gaps reflected in the feed-back. The quality of research is monitored by the respective Departmental Research Committees. Boards of Studiesm Faculties and Academic Council revise syllabi of various courses from time to time. Continuous assessment strategies enshrined in CCSS ensure monitoring of learning outcomes.

The University has an effective internal coordination and monitoring mechanism through the IQAC for academic quality assessment, regular reviews by the Vice- Chancellor with the Deansm Directors, Heads and Branch Officers to facilitate fast-track implementation of the approved projects of the University.

The Syndicate, which is the apex decision-making body of the University, meets at least once a month. The Academic Council which overseas the academic activities of the University meets minimum twice in a year. The Senate, which is the supreme decision making body of the University also meets at least twice annually. The Finance Committee, which is the decision making body on matters concerning the finances of the University, meets as frequently as required with a minimum of at least two meetings annually. The Syndicate sub-committees meet on a regular basis to make recommendations pertaining to a variety of issues. All the recommendations made by sub-committees are taken up to the Syndicate for final decision-making following which implementation is taken up immediately and action taken reports

are filed every month before the Syndicate. The modifications recommended in Act and Statutes are sent for assent to the Chancellor.

Academic autonomy:

The University has adopted Choice Based Credit Semester System (CBCSS) for the UG and PG programmes. The students are free to choose their courses of study under a particular programme and there is flexibility to choose electives to the students according to their need and desire.

The University has constantly encouraged the autonomous functioning of its academic departments and in turn sought their accountability. The Syndicate of the University and the Vice Chancellor provide effective leadership to the University with the organizational hierarchy significantly de-centralized in its decision-making powers by providing both academic and financial autonomy. Since the University has another campus at Thrissur housing some departments, a Campus Director is appointed with financial powers to minimize the administrative delay in the decision-making process. As and when new centres are added, Directors are appointed to take administrative and academic decisions. Recently the University has set up four directorates namely Directorate of Planning, Directorate of Academics, Directorate of Consultancy and Directorate of Teacher Education and nominated Directors.

Each department has a designated Head, who is in charge of decision-making pertaining to the academic and administrative activities. There is a lump sum allocation of funds, based on the approved budget of the University, at the beginning of each financial year. This enables the centres and departments to utilize the funds effectively for achieving stipulated goals which are in line with the overall objectives of the University. The Department Councils in the departments have autonomy in the designing of curriculum, conduct of programmes and evaluation of the same. Many members of the faculty participate in the day to day administration of the University by serving as Directors and members on special committees, whose recommendations are taken up by the Syndicate for implementation. The performance of the academic departments is reviewed regularly by conducting meetings of Heads of the Departments with Vice Chancellor, Pro Vice Chancellor, Deans of Faculties and Registrar. This audit provides the departments a feedback on their strengths and weaknesses and the impetus to enhance their functioning.

School system has been implemented in the University to coordinate and monitor the academic activities of the departments. Presently there are 9 schools functioning.

- 6.1.8 Have any provisions been incorporated/introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

The University of Calicut has started the process of giving autonomous status to colleges. Four colleges have been granted Autonomy.

- 6.1.9 How does the University groom leadership at various levels? Give details.

Rotation of headship and participation of the Dean of faculty in administration inculcates leadership quality among teachers. Teachers and non-teaching staff participate in the activities of various Associations/Organizations. This often creates a sense of responsibility sharing, partnership building, and joint ventures through a democratic procedure. Students' union and Researchers union groom leaders to represent the entire students' fraternity. Apart from that, the organizations like NSS, NCC etc. also groom the sensibility and leadership of students.

The University also takes steps to organize orientation, training and soft skill programmes for employees, faculty members, students and other stakeholders. Teachers act as the coordinators

of Refresher Courses and Orientation Programmes conducted by the Academic Staff College. A good number of the University teachers act as the Directors of Centres constituted by the University. Teachers also actively participate in students' extracurricular activities like sports and games, Student Union elections etc. All these steps go a long way in grooming leadership qualities among teachers, non-teaching staff and students of the University.

6.1.10 Has the University evolved a knowledge management strategy? If yes, give details.

Yes, the University has over the years evolved a knowledge management strategy to maximize its competency to perform effectively and efficiently towards higher productivity. Accordingly following initiatives have been taken by the University:

1. Students are equipped to participate in the University level as well as State level debates, elocutions, literary competitions etc.
2. Knowledge dissemination through publications of high repute attending seminars/conferences/workshops, etc. are major ways of knowledge management adopted.
3. Students and faculty can make use of the e-resources subscribed through INFLIBNET facility in the University.
4. The Manuscript Library in the campus is distinct and has a rare collection. The Manuscript Library of the University is a storehouse of knowledge and even scholars from foreign countries visit.
5. The facility of online reference of theses just started by the University adds to knowledge dissemination beyond boundaries.
6. The IQAC which has got the status of a statutory body takes care of the quality of all academic and knowledge oriented activities of the University.
7. The University web site www.Universityofcalicut.info offers several services like downloadable application forms, question papers of past examinations, on line catalogue on Library and list of recognized Degrees of other universities.

6.1.11 How are the values reflected in the functioning of the University?

It has now been globally accepted that higher education contributes to Economic Development through the support it provides to development of Human capital. University of Calicut being a premier higher education institution catering to the educational needs of 5 backward districts namely Kozhikode, Wayanad, Malappuram, Palakkad and Thrissur of northern Kerala, has over the years played a significant role in the socio economic development of the region. The jurisdiction of the University covers nearly 42% of the total geographic area of the state.

The role of non-resident Keralites in the socio economic development of Kerala is quite evident. The University continues to play an important role in promoting competencies of students who seek employment in the global market. Being an affiliating University, which has 389 affiliated institutions besides the 31 teaching and research departments, the outreach of the University is quite vast and significant.

The University, through College Development Council provides ample support to its affiliated institutions to avail financial assistance from UGC and other agencies for starting career and skill oriented programmes with pre-defined job roles. As per the UGC Scheme under National Skill Qualification Framework for providing skill oriented education at under graduated level, B Voc (Bachelor of Vocation) programme had already been commenced in 6 colleges affiliated to the University. Each college offers 2 B.Voc programmes in association with industrial partners as per UGC stipulations in various vocational subjects including Software

Development, Multimediam Jewellery Designing, Gemmology, Broadcasting and Journalism, Digital Film Production, Auto Electricals and Electronics, Medical Laboratory Technology, etc. Now the UGC has invited proposals to start Deen Dayal Upadhyaya Centre for Knowledge acquisition and Upgradation of Skilled Human Abilities and Livelihood (Kaushal Kendra) where B Voc and M Voc courses are offered. A proposal to start Kaushal Kendra at Institute of Tribal Studies and Research under University of Calicut has been forwarded to UGC for consideration. No objection certificates have so far been issued by the University to more than 10 affiliated colleges to submit proposals under this scheme.

The University instituted e-Campus Awards to promote adoption of technology in education and management. The first awards were distributed on 31/12/2014. As suggested by the Vice-Chancellor, a one day workshop on ‘Office Automation and Adoption of Technology in Education and Management’ was organized by College Development Council at VPSV Ayurveda College, Kottakkal (Winner of best E-Campus award 2014) on 10/04/2015 for principals of affiliated colleges with a view to share the expertise of VPSV Ayurveda College, Kottakkal in campus automation with other affiliated colleges.

In order to promote value among the student community, the University instituted Sadguna award which is primarily intended to recognize the best students, not in terms of their grades/marks, but specifically in terms of their goodness, kindness, love and care to others, good behavior and other values recognized by the society. This award signed by the Vice-Chancellor of the University, is presented to the best student in each college and each Department of the University.

6.2 Strategy Development and Deployment

6.2.1 Does the University have a perspective plan for development? If yes, what aspects are considered in the development of policies and strategies?

The major aspects considered are the following:

- ◀ Vision and mission
- ◀ Teaching and learning
- ◀ Research and development
- ◀ Community engagement
- ◀ Human resource planning and development
- ◀ Industry interaction
- ◀ Internationalisation

The University undertakes both long term and short term planning to ensure that it progresses on its well laid out multipronged vision of quality in teaching and research, community and industry engagement, internationalization and human resource development. There is a Planning Board and recently a Directorate for Planning has been established under a Director in the University which serves as a think-tank and co-ordinates the overall planning of the University. This higher level board has the Vice-Chancellor as chairman and a director and members from the teaching and research fraternity as members. It meets regularly and provides suggestions on policies and programmes for overall academic and administrative matters of the University. The directions of the Planning Board are carried out as programmes and activities by the Directorate of Planning and Development. The Directorate is headed by a senior professor and is provided with supporting staff to carry out the day to day activities. The major activities are:

- (i) Preparation of the Five Year Plan proposal of the University,
- (ii) Preparing proposals for the special programmes of the Government of Kerala, Planning Commission, UGC, RUSA etc.,
- (iii) Coordinating the implementation of the Government of Kerala special schemes to universities.
- (iv) Providing data and information relating to University for requests from Government of Kerala and national agencies.
- (v) Co-ordinating the purchase & distribution of computers, laptops and softwar packages for faculty members/departments of the University.

Short term planning with respect to administrative matters and governance of the University is made by the Syndicate, which meets once a month to take stock of the University's functioning as per its powers and responsibility. It passes resolutions to facilitate academic and administrative decision making to ensure that the University moves ahead in the right direction.

The Vice- Chancellor, through the Registrar, oversees the implementation of the Syndicate decisions. All major policy decisions that require amendments and additions to the Statues/ Ordinances are taken to the Senate for its concurrence. The Governor /Chancellor records his assent to all statutory changes for their implementation in the University.

University of Calicut has a long tradition of hosting foreign students in different courses of studies of the University over last 40 years. The students were mainly from the Middle East, Africa and Asian countries. At present University is having 88 foreign students from 8 different nationalities enrolled in full time courses ranging from Under Graduate to PhD. Of the 88 students, 77 students are ICCR (Indian Council for Cultural Relations) sponsored.

A few of the University faculty members have active international research collaborations. The University encourages research collaborations and participation in global research projects and international conferences. The University has been an organizer of different international conferences and the University has occasional visitors from foreign countries, such as diplomats, embassy officers, top-level University administrators and senior faculties. The University has conducted erudite lecture series in the past years with participation of academicians and scientists of high repute.

In November 2012, the University has established a new centre for co-ordinating and enhancing international academic relations of the University. The centre is named as Centre for International Academic Relations (CIAR). The CIAR serves as an umbrella for the Calicut University's international programmes and supports internationalization initiatives. It is the central administrative office responsible for coordinating and facilitating the University's international efforts. The Kerala State Higher Education Council and Higher Education Department, Government of Kerala are actively encouraging such activities of University of Calicut. University of Calicut is an active member of the International Relations Group (IRG) constituted by the Government of Kerala. The following programmes have been planned for implementation:

1. India Semester Programme:

University of Calicut is planning to offer India semester programme (ISP) in conjunction with the Study Abroad semester of universities outside India. The faculties of the University have submitted 35 courses towards India semester programme. The ISP student will have the freedom to choose any set of courses for his/her semester at Calicut University.

2. International PG Diploma programmes:

The University is planning to have the following programmes for foreign students:

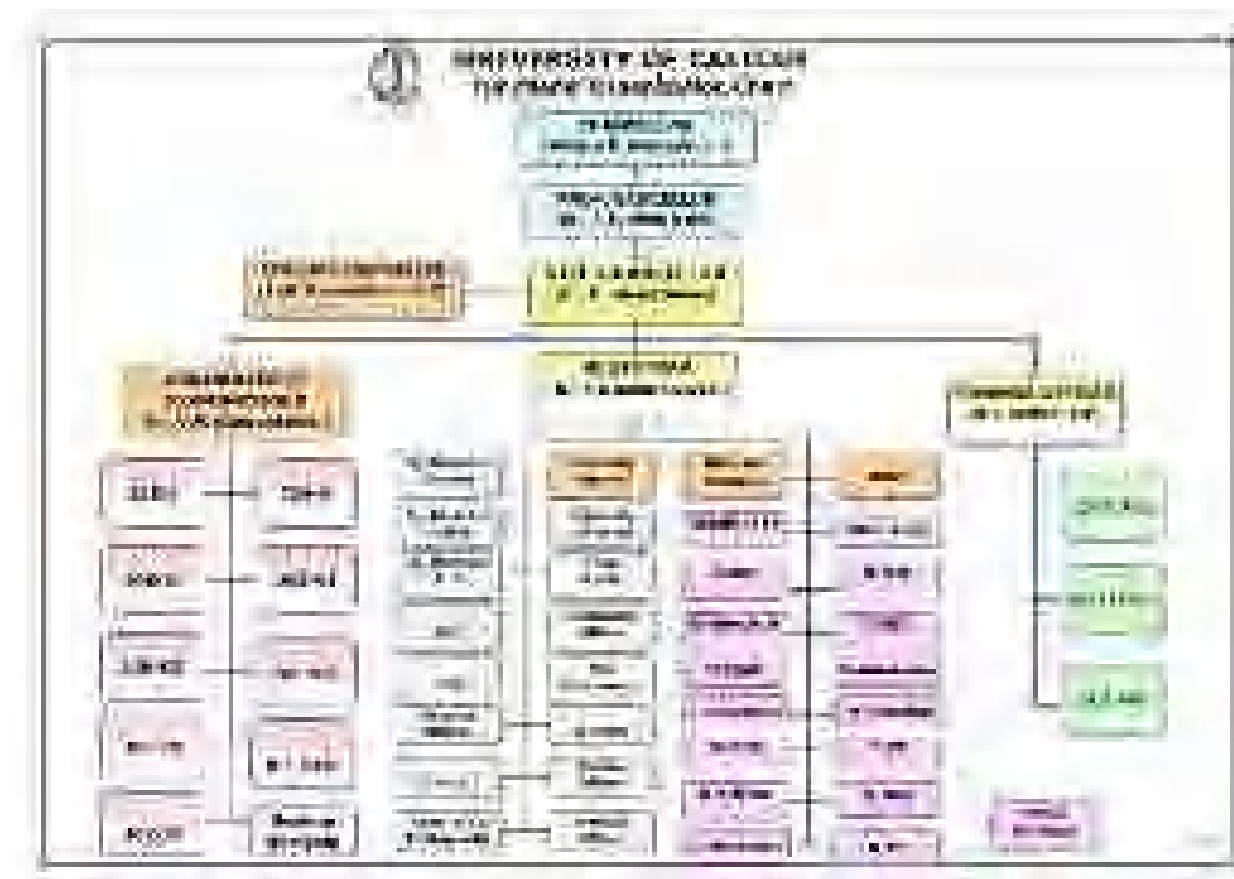
1. Post Graduate Diploma in Classical Melam in Chenda.
2. Post Graduate Diploma in Kalaripayattu.
3. Post Graduate Diploma in Folk medicine.

3. Faculty –led programs:

The University of Calicut is planning courses jointly offered by an Indian and a foreign University faculty. The proposals in this direction from interested faculties are invited. The students can be Indian and Foreign students. The University is planning to take up this programme further through contacts available with the faculty members of the University main campus. Help will also be sought from appropriate nativity organizations abroad.

4. Validation of Calicut University degrees by reputed foreign universities.
5. Exploring the possibilities of joint degrees/dual degrees with reputed foreign universities.
6. Student exchange and Twinning programs.
7. Flexible and distributed learning activities involving students and academicians of the Calicut University and universities abroad.

6.2.2 Describe the University’s internal organizational structure and decision making processes and their effectiveness. State briefly the mechanism used for assessing the students’ satisfaction (Feedback system).



University of Calicut has a feedback system for assessing the students’ satisfaction in all the Departments. A questionnaire is handed over to the students by the HOD confidentially after every semester. The data in the questionnaire is used to upgrade the teaching potential of all faculty members. The various departments are following the culture of participatory involvement of students of various categories in all the activities of the departments. The departments maintain a culture of interacting with the students after every major event in the departments. This feedback will be properly addressed and considered by the DC. The colleges affiliated to the University also have a feedback system. The main aim of the system is to improve academic quality of the students and teachers.

Proforma for Evaluation by Student

Your honest evaluation for the purpose of aiding your instructor and Department in improving the teaching programmes is required. Please grade as given below:

Poor: 1 Average: 2 Good: 3 Very good: 4

Department:		Year:					Semester:					
Teachers:												
1	Ability to inspire you											
2	Mastery of subject											
3	Communication skill											
4	Keeness to ask questions											
5	Keeness to ask questions											
6	Ability to stimulate fresh thoughts											
7	Preparation for the class											
8	Efficiency in class room management											
9	Fairness in student evaluation											
10	Use of modern teaching aids											
11	Regularity											
12	Special care for weak students											
13	Demonstration of practical											
14	Availability to students outside the class											
15	Your willingness to take other courses offered by the teacher											
16	Difficulty level of the course(1: very difficult; 2: difficult; 3: somewhat difficult; 4:simple)											
17	Subject matter (4: very interesting; 3: interesting; 2: somewhat interesting; 1: not interesting)											
18	Relevance of the course (4: very relevant; 3:relevant; 2: somewhat relevant; 1: not relevant)											
19	Coverage of subject area (4: covers all aspects; 3: covers major aspects; 2: average; 1: poor)											
20	Utility of the course in knowledge enhancement (1: very good; 2: good; 3: average; 4: poor)											

6.2.3 How does the University ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?

Yes. University of Calicut has a Board of Adjudication of Students Grievances to entertain, adjudicate and address any grievance of the students of the University teaching departments and affiliated colleges. The Board includes

- a) The Vice Chancellor as Chairman
- b) The Dean of student welfare
- c) Three members of whom one shall be the principal of a college/the Head of the Department in the case of University teaching departments
- d) The chairman of the University students union
- e) Two members from the college union and
- f) The registrar of the University

6.2.4 Does the University have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

Yes, University of Calicut has a feedback mechanism for stakeholders of different programmes.

6.2.5 Does the University conduct performance audit of the various departments?

Yes. Performance audit of faculty members is carried out as per the norms set in UGC schemes in force from time to time. PBAS appraisal forms are obtained from teachers every year and they are reviewed by committees headed by Deans and based on that recommendations are given to improve the performance of teachers. Academic audit of the performance of teaching departments is regularly carried out by IQAC and based on that suggestions are given for the improvement of functioning.

6.2.6 Does the University have a vibrant College Development Council (CDC)/ Board of College and University Development (BCUD)? If yes, detail its structure, functions and achievements.

Yes, in 1980s University Grants Commission introduced the concept of College Development Council (CDC) with a vision to set up an effective interface between the UGC and the colleges affiliated to various universities under it. The mission entrusted with the CDC at University level is to facilitate effective implementation of development plans of the UGC and universities for quality improvement of colleges and other affiliated institutions. The College Development Council of the University of Calicut was set up in 1986 with the financial support of the University Grants Commission.

During the past five years, there have been several changes in the nature of activities of College Development Council. To enable the CDC to concentrate on the development of affiliated colleges, works related to research of University teachers, Ph. D, conduct of UGC NET Examinations etc were separated from CDC and brought under an independent directorate namely Directorate of Research in 2013. On the other hand, affiliation of Colleges and courses hitherto dealt with by General & Academic Branch was brought under CDC to make its activities more focused on affiliated colleges. Admission process was also bifurcated from CDC and brought under a separate directorate named Directorate of Admission.

- ◀ Affiliation to 118 new colleges have been granted during the period from 2011-12 to 2014-15. 25 Educational agencies have been approved by the University to start colleges during 2015-16 academic year.

- ◀ During the XI plan period 191 teachers of affiliated colleges have been granted teacher fellowship under Faculty Improvement Programme of UGC. Applications for fellowship under FDP during XII Plan forwarded to UGC through CDC are being processed by UGC.
- ◀ Formed an Academic Monitoring Cell under the chairmanship of the Vice Chancellor to monitor and suggest measures for the improvement of Self Financing Colleges affiliated to the University. A proposal to inspect all affiliated colleges under the University to assess the present condition of the colleges, to ascertain problems if any and rate the colleges based on their performance has been prepared by CDC in line with the recommendation of the Academic Monitoring Cell. The Proposal is under the consideration of the Standing Committee of the Syndicate on Staff of Affiliated Colleges and affiliation.
- ◀ A proposal to institute awards for the Best Principals of Affiliated Colleges of 3 categories namely Govt. colleges, Aided colleges and Self financing colleges has also been placed before the syndicate by CDC and a Syndicate Sub Committee has been formed to frame the guidelines for the awards.
- ◀ In the past five years, College Development Council undertook several ventures aimed at encouraging innovative practices in affiliated institutions:
- ◀ Instituted Sadguna Awards to recognize the best students, not in terms of the grades/marks, but specifically in terms of their goodness, kindness, love and care to others, good behaviour and other values recognized by the society.
- ◀ Instituted Sadguru Awards to recognize and reward the devoted and socially responsible teachers in colleges under the University of Calicut who are dedicated to their profession and render invaluable services towards the overall development of students, thereby to the society at large. The award will be presented to the best teacher in each affiliated college under this University.
- ◀ Instituted E- campus Awards for affiliated colleges to recognize and reward excellence in electronic governance technology.
- ◀ Instituted Green campus awards to recognize the efforts of affiliated colleges for conservation of greenery in the campus.
- ◀ Granted Academic Autonomy to affiliated colleges: In line with the policy of the Govt. of Kerala and decision of the UGC, academic Autonomy has been granted to four colleges. Evaluation process is going on in the case of a few other colleges aspiring to become autonomous.

6.2.11 What is the action plan and schedule for future development? Does the University have a perspective plan for development? If yes, what aspects are considered in the development of policies and strategies?

The University has a definite plan for the future development in different areas such as Vision and mission, Teaching and learning, Research and development, Community engagement, Human resource planning and development, Industry interaction and Internationalization. All above aspects have been envisaged in the perspective plan for development. The University has a well-defined vision and mission, academic programmes and learning methods are embedded in it; there is ample scope for research and development; community engagement has been ensured through community outreach programmes.

The basic aim of the University is human resource development. Industry-academic interaction is being initiated. Collaboration with the academic and research institutions particularly from

the Southeast Asian Countries is aimed at. Hostel for international students has been constructed.

The Faculty members of the Departments are actively involved in new areas of research in different disciplines. Many of the faculty members have post-doctoral experience in and outside the country and a number of new additions are expected in near future. The expertise and exposure of the Faculty in research need to be addressed in the most effective manner by providing required infrastructural and equipment facilities. An exclusive Instrumentation facility Central Science Instrumentation Facility (CSIF) is being set up in the University for science departments with sophisticated instruments like NMR Spectrometer, HRMS, Raman Spectrometer, SEM, TEM, AFM, CHN Analyzer, BET Surface Area analyzer, particle analyzer etc., supported by strong computational facility.

With all these facilities we hope to establish strong linkage with industry, providing high end consultation facility. The University also aims to cater the needs and hopes of the society by imparting training to more post graduate and graduate students through various innovative academic programmes. The overall aim of the University is to make it a reputed and excellent centre for teaching, learning and research.

6.3 Faculty Empowerment Strategies

6.3.1 Action taken on the filling up of the vacant post/s or for new recruitment?

The process of filling up of the vacant posts has already started and it is at different stages. The interviews for the appointment of the non-teaching staff are already over and the screening of the applications for the posting in the teaching posts are in progress. Interviews for the appointment of the directors of the various departments have already started.

6.3.2 How does the University groom leadership at various levels? Give details.

The University adopts the following mechanism to groom leadership at various levels:

- ◀ Headships and Directorships are on 2-year rotation basis.
- ◀ The Committees constituted by the Executive and Academic Councils for various purposes include teachers and non-teaching staff and at times students.
- ◀ Teaching and non-teaching staff members are deputed to attend training courses/ workshops on various aspects of University administration.
- ◀ University conducts in-house in-service training for non-teaching staff.
- ◀ It also conducts leadership training programmes for college principals under College Development Council and Academic Staff College.
- ◀ Students are deputed for the leadership training conducted by NSS and outside agencies.

6.3.3 Has the University evolved a knowledge management strategy? If yes, give details.

The University's knowledge management strategy includes digitization of dissertations and theses, institutional repository of the intellectual outputs, availability of on-line resource materials by ensuring free access to e-resources through INFLIBNET and INFONET and free access to institutional research output through campus intranet. This is the first Wi-Fi campus in Kerala. Central Library is fully automated. The following innovative strategies have been implemented for modern age management of knowledge resources.

1. DAISY Book Production: The ICT section in the University library has undertaken the production of digitally accessible books to help the students with visual impairment. So far 60 books in the DAISY (Digital Accessible Information System) format have been produced. The study

materials of the School of Distance Education are also being converted in to DAISY format and a number of study materials have been converted.

2. **Plagiarism Checking:** This is the first University with a Plagiarism Policy. The central library of the University provides plagiarism checking facility to the research scholars and faculty, for checking the originality of their theses, by using the softwares Turnitin and Ithenticate, for which access was provided by UGC- INFLIBNET Centre under Shodhganga project.
3. **Digitisation of Library Documents:** The library is engaged in digitising its collections and as the first stage of digitisation the theses kept in the Reference Section are being digitised. 600 theses have been digitised.
4. **Uploading of Theses to Shodhganga:** The INFONET Section of the library is entrusted with the task of uploading the digital version of the theses, submitted to the University of Calicut, to the Shodhganga, which is the Indian ETD Repository. The Section has so far uploaded 563 theses to the national repository.
5. **Digitisation of Question Papers:** The INFONET Section digitises the question papers of the examinations conducted by the University of Calicut in the previous years. Digital copies of the question papers are provided free of cost to the students. The question papers are available in the institutional repository of the library.
6. **Library Website:** The Website of the University library provides guidance to those who wish to become members of the library. Up to date information regarding the library is provided through the website. New additions in the library are made public by notifying through the website. Renewal of the library books, suggesting the purchase of a new book, access to the institutional repository and access to the digital resources are provided through the website. The annual report and annual magazine published by the University and student body respectively highlights the academic and research contributions made by the students and faculty. Seminars/symposia/workshops are frequently organised as a knowledge management strategy.
7. **Digital Document Filing System (DDFS):** This University is the first to implement digital document filing system in Kerala. Now all the files are submitted and processed through an automated system to ensure accuracy and speed.

6.3.4 What is the outcome of the review of various appraisal methods used by the University? List the important decisions.

Performance Based Appraisal of the Self (PBAS) for promotion under Career Advancement Scheme (CAS), annual self appraisal of teachers and student assessment of the teachers are the three important appraisal methods used for evaluating the faculty members. These appraisal methods have enabled to improve the teaching, learning and evaluation related activities as well as the co-curricular, extension, professional development activities of the teaching fraternity. It has facilitated the faculty members to excel in research, to bring out top class publications and to elicit various other academic contributions. Faculty members are directed to submit the PBAS data sheet every year to the University through the Head of the department. This will be assessed by a committee chaired by the vice chancellor of the University, dean, subject experts and head of the department. They will critically assess the candidate and offer concrete suggestions for improvement in weaker areas as evidenced in the PBAS. This mechanism certainly provides a room for the improvement of the teacher.

6.3.5 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefitted from these schemes in the last four years?

The University of Calicut has various welfare schemes available for teaching and non-teaching staff and so many have benefitted from these schemes. There is a Staff Welfare Fund at the University level for the benefit and betterment of the staff. All employees of the University are the members of the Fund. A number of employees of the University benefitted from the scheme.

6.3.6 Has the University conducted a gender audit during the last four years? If yes, mention a few salient findings.

Gender audit has been conducted recently. The representation of women in all activities is above 50%.

6.3.7 Does the University conduct any gender sensitization programmes for its faculty?

The Department of Women studies conducted the following gender sensitization programmes:

- ◀ One Day Orientation Programme on Gender Related Intervention in Colleges: Skill Training for Teachers in Thrissur District at Vimala College, Thrissur, 28-01-2011.
- ◀ One Day Seminar on Cyber Crime and Drug Abuse, 08-03-2011.
- ◀ One Day Seminar on Health: Menopause and Related Issues, 27-07-2011.
- ◀ One Day Orientation Programme on Gender Related Intervention in Colleges: Skill Training for Teachers in Malappuram District at Seminar Complex, University of Calicut, 27-09-2011.
- ◀ One Day Orientation Programme on Gender Related Intervention in Colleges: Skill Training for Teachers in Kozhikode District at Providence College, Kozhikode, 04-03-2011.
- ◀ One Day Orientation Programme on Gender Related Intervention in Colleges: Skill Training for Teachers in Wayanad District at St Mary's College, Sulthan Bathery, 22-11-2011.
- ◀ One Day Orientation Programme on Gender Related Intervention in Colleges: Skill Training for Teachers in Palakkad District at Mercy College, Palakkad, 26-11-2011.
- ◀ One day Seminar on Women's Code Bill 8th March 2012.
- ◀ International Women's day Celebration with following programmes:
 - i) A film show was conducted on the film Ezhuthatha Kathukal authored by Prof M N Karassery.
 - ii) A painting exhibition was conducted in collaboration with Kerala Lalitha Kala Academy.
 - iii) Talk on The plight of Muslim women by Prof M N Karassery on 8th March 2012.
- ◀ The Centre for Women's Studies has been coordinating the activities of the University Women's Recreation Centre where Yoga, Aerobics and Soft Skill Training Programmes are being conducted for girl students and women employees of the campus.
- ◀ One day Seminar on Women's Safety and Discussion on Kerala Draft Bill on Protecting Safety and Dignity of Women Act November 6th, 2012.
- ◀ A stall on Women's Safety was displayed by the students of the Department in the Agri-Horti-Flower-Food Fest organized by the University.
- ◀ Extension Lecture: Feminism Beyond Borders by Prof. Dr. A.K. Ramakrishnan, Professor and Director, School of International Studies, New Delhi, on 19th March 2013.
- ◀ Extension Lecture: Feminist Debates in Kerala - A Critical Analysis by Ms. Rekha Raj, Dalit Feminist Writer and Activist on 21st March 2013.

- ◀ Two Day Workshop on Role of Universities in Curbing Atrocities Against Women on 6th and 7th March 2013 for Women Development Cell coordinators of all the affiliated colleges of University of Calicut.
- ◀ International Women’s Day Celebration with Ms. Vinaya as chief guest, 8th March 2013.
- ◀ One Day National Seminar on Human Rights Issues in Early Marriage in collaboration with Academic Staff College, University of Calicut on 17th October 2013.
- ◀ Extension Lecture: Challenges faced by Women’s Studies Centres in India by Dr. Sugandha Ramamurthy
- ◀ Film Festival on Men and Boys for Gender Justice on 30th October 2014, Centre for Women’s Studies in Collaboration with Forum to Engage Men, India Maya Thrissur.
- ◀ As part of Monthly Lecture Series Centre for Women’s Studies conducted the following programmes:
 1. Talk on Women Media Persons Subjectivity by Ms. Vidhu Vincent, noted media personal.
 - 2) A lecture on “Muslim Girls Education in Kerala” by Dr. N.P. Hafis Muhammed.
 - 3) As Screened film “Offside”, Centre for Women’s Studies in Collaboration with Women’s Studies Students Collective.
 - 4) Organised Discussion on “Increasing Moral Policing in Kerala”
 - 5) Paper presentation by Sonia Balan, Research Scholar of Hyderabad Central University on Question of Body, Sexuality
 - 6) Discussion on “Queer Talk by Dr. Jijo Kuriakose Kurian, Founder member of Queerala, chaired by Dr. T.V Madhu, Asso. Professor, Dept. of Philosophy, University of Calicut.
- ◀ One Day Adolescence Education Programme for High School Students at GVHSS, Cheriyamunda on 15th November 2014.
- ◀ One day Training Programme on Women and Human Rights in collaboration with National Human Rights Commission (NHRC) and University of Calicut on December 16th 2014.
- ◀ The Department coordinated Refresher Courses in Gender Studies at the UGC Academic Staff College, University of Calicut.

6.3.8 What is the impact of the University’s Academic Staff College Programmes in enhancing the competencies of the Department faculty?

Academic Staff College, now the name changed as UGC-HUMAN RESOURCE DEVELOPMENT CENTRE, University of Calicut regularly conducts Orientation Programmes and Refresher Courses in enhancing the competencies of the faculty members of the various Departments of the University and affiliated colleges of the University. Infrastructural facilities have been further augmented to considerable extent including furnished classrooms with air conditioner facilities. The ground floor of the Guest House has been completed and the accommodation facilities have been occupied by the teacher participants. The ASC has increased the number of its various programmes. It is the institutional pride to mention that the last NAAC accreditation team had visited ASC and evaluated its performance and ranked 19. The ASC has its own website, ISSN numbered journal, well equipped computer lab with ‘N’ computing facility.

Programmes Conducted (with duration) for the last Five Years

Sl.No.	Programme	Conducted	Duration
1.	UGC sponsored Orientation Programmes	28	28 days
2.	UGC sponsored Refresher Courses	45	21 days
3.	UGC sponsored Short-term Courses	20	1 week
4.	UGC sponsored Summer/Winter Schools	4	21 days
5.	UGC sponsored National Workshop for Ph.D. Research Scholars	2	21 days

Details of Faculty whom underwent staff development programmes during the last 5 years:

Academic Staff Development Programmes	Number of Faculty
Orientation Programme	1090
Refresher Courses	1308
Short-term Courses	835
Summer/Winter Schools/Workshops, etc.	416

The feedback obtained from the institutional heads as well as the participants' post training assessment indicate that they have improved their pedagogical skills professional commitments and integrity in teaching had increased. Their inquisitiveness to probe deep into problems has also improved a substantially.

In addition to the above mentioned UGC sponsored programmes, the ASC has conducted 16 other programmes for the faculties in Self Financing Colleges/faculties and non teaching staff of CUIET/Board of Studies members and provisional assistants of the University as detailed below.

Sl. No.	Programme	Target Group	Course Conducted	Duration	No. of Participants
1	Short-term Course	Faculties in Self Financing colleges	1	3	117
2	Short-term Course	Faculties of CUIET	1	3	138
3	Short-term Course	Non Teaching staff of CUIET	1	3	117
4	Workshop	BoS Members	1	1	60
5	Orientation Programme	Faculties of CUTECS	1	3	255
6	Induction Programme	Assistants (Provisional)	7	1	784
7	Workshop	BoS Members	1	1	10
8	Workshop	BoS Members	1	1	28
9	Workshop	BoS Members	1	1	42
10	Workshop	BoS Members	1	1	35

6.4 Financial Management and Resource Mobilisation

6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?

The decisions regarding financial management and resource mobilization are taken in the Finance Committee, University syndicate and senate. All these statutory bodies have external members elected and nominated by the Chancellor. Financial planning is accomplished on long-term basis (for Plan period) and short-term basis (annual budget estimates and revised budget estimates) for submission to UGC. Fee structure is revised in the Academic Council. Investment Committee takes decision regarding investment of incomes from internal receipts.

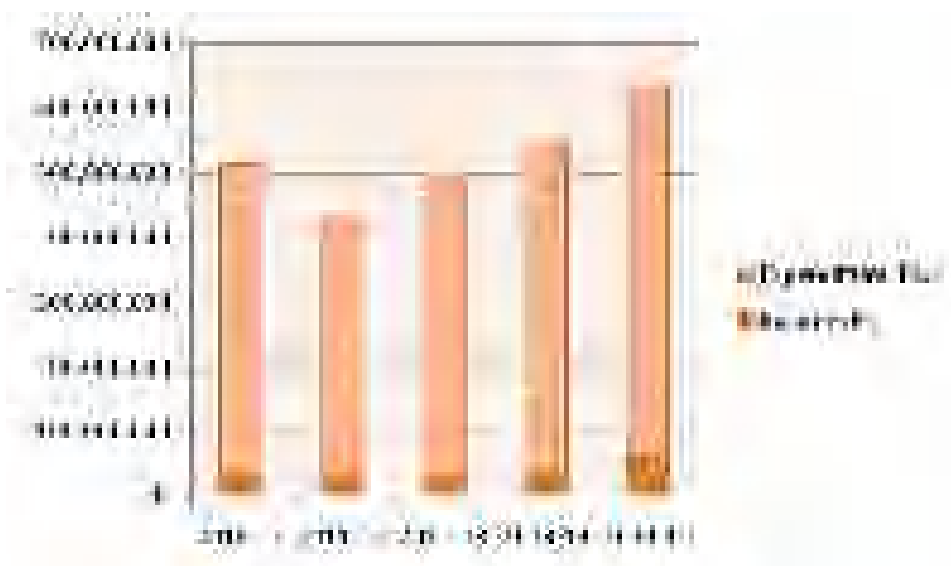
6.4.2 Does the University have a mechanism for internal and external audit? Give details.

Yes, there is audit section (cell) under an Assistant Registrar with adequate staff members. Pre- and post-audit checks are exercised by Internal Audit Cell. The cell also does stock verification. Annual accounts are audited by the audit party deputed by the Accountant General, audited annual accounts and audit report, after discussion in the Finance Committee, syndicate and senate, are submitted to the Govt. of Kerala. External audit is done by the office of the Joint Director of Local Fund Audit, Govt. of Kerala located in the campus.

6.4.3 Provide budgetary provisions for the administrative and academic activities of the University for the last five years.

Sl.No.	Year	Income (Rs.)	Expenditure (Rs.)
1	2010-11	3,89,23,000	47,51,67,900
2	2011-12	3,97,23,000	39,11,86,100
3	2012-13	3,97,23,000	46,20,45,000
4	2013-14	3,55,90,000	52,07,72,538
5	2014-15	5,76,50,000	57,95,92,488

Income and expenditure from 2010 -2014



6.4.4 Have the accounts been audited regularly? What were the audit objections, if any, and how were they complied with?

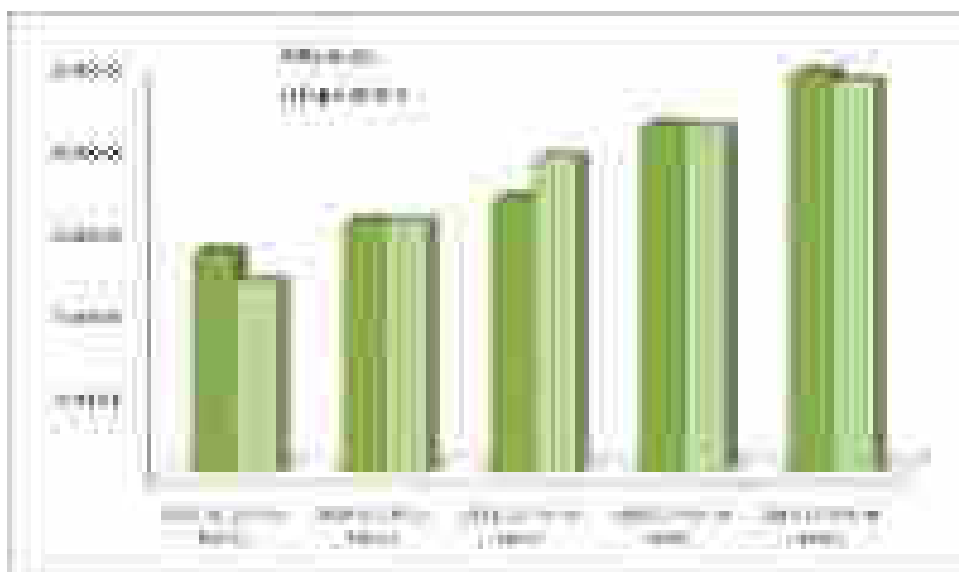
Yes. Annual accounts have been regularly audited by the internal audit wing, JDLFA and AG’s office. There has been progressive improvement in the audit report and number of paras in the audit report is decreasing year by year. University views auditing of accounts as a measure for the improvement of the accounting system, and also for better financial management.

6.4.5 Provide the audited income and expenditure statement of academic and administrative activities of the last four years.

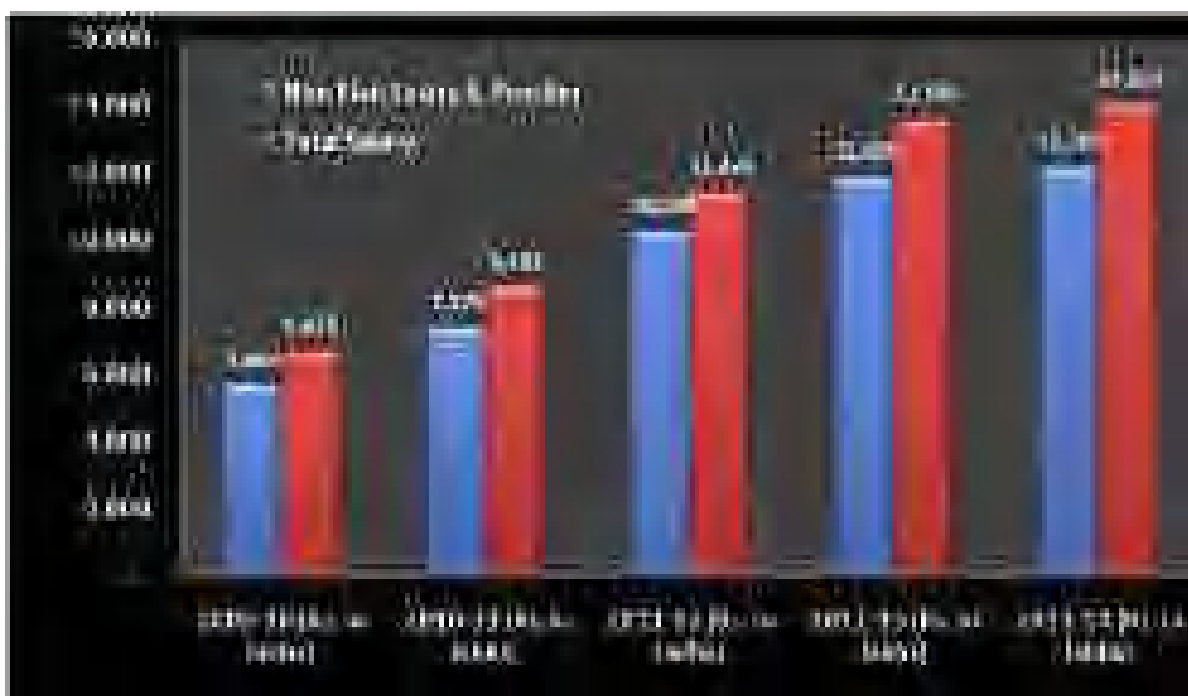
Table of Receipts and Expenditure (audited)

Sl.No.	Year	Income (Rs.)	Expenditure (Rs.)
1	2010-11	6,21,69,882	34,06,00,584
2	2011-12	4,64,27,131	43,64,79,997
3	2012-13	6,27,62,349	50,58,65,085
4	2013-14	8,65,82,096	51,52,38,744

Receipts and Expenditure from 2009 to 2014



Salary and Pension details



Grants Received by the University in the last five years



6.4.6. Narrate the efforts taken by the University for resource mobilization.

Funds for the University are obtained from UGC and state government. However, University has made following efforts for resource mobilization:

- ◀ Research grants through externally funded research projects.
- ◀ Incremental growth in the collection of fee from the students.
- ◀ Corpus fund has been instituted.
- ◀ Short-term investments of the funds through investment committee.
- ◀ Donation from persons, associations and organisations
- ◀ Availing subsidy facility, for instance, 400KWp solar energy set-up

6.4.7 Is there any provision for the University to create a corpus fund? If yes, give details.

The University has a Regulation on the Corpus Fund with well-defined provisions to regulate it. Sources for the Corpus Funds are: Donations/contributions, contributions from the research/consultancy projects, income generated by auction of old furniture/equipments/vehicles etc., surplus internal revenue, general charges from the outside agencies working inside the campus, revenue income generated through the sale of the University publications.

6.5 Internal Quality Assurance System

6.5.1 Does the University conduct an academic audit of its departments? If yes, give details.

Yes, internal academic auditing mechanism is in place. One audit has already been conducted in the last year in the respective departments. The evaluation has been made based on the power point presentation made by the departments. University is considering having at least one external expert in every audit team in addition to the concerned Dean and the Head of the Department.

6.5.2 Based on the recommendations of the academic audit, what specific measures have been taken by the University to improve teaching, learning and evaluation?

The following measures have been implemented.

- ◀ use of modern teaching-learning methods like lectures through power point facility.
- ◀ utilizes on-line teaching facilities
- ◀ conversion of traditional class rooms into smart rooms
- ◀ two continuous internal assessments involving written examinations, seminars, quiz and group discussions and home assignments have been introduced.

6.5.3 Is there a central body within the University to continuously review the teaching-learning process? Give details of its structure, methodologies of operations and outcome?

Teaching-learning processes are continuously reviewed by the Departmental Council at departmental level and the Academic Council at University level. These bodies have external members also. These are also monitored through the Performance Based Appraisal System (PBAS) and students feedback on courses and faculty. As a consequence, syllabi are updated, research proposals are approved, panel of examiners are approved, learning resources are strengthened and new programmes are introduced. In addition to that the academic system in the campus is under the control and is monitored by the CCSS committee.

6.5.4 How has IQAC contributed to institutionalizing quality assurance matters and process?

The IQAC chaired by the Vice Chancellor has a steering committee consisting of the Director, Registrar, Director of Research, three members of Syndicate, seven senior teachers, two student members and two experts from the industry/local community, representatives from stakeholders, and about eleven other members to control the proceedings related to the teaching and research activities of the University so as to improve its quality.

It implements internal quality checks by introducing the Academic Audit system for the University departments, affiliated colleges and approved research institutes and R&D institutions. It supports the present academic standards of the University. The internal quality checks include stratified proforma based information on students' feedback of teaching-learning process, self-appraisal by teachers and grievance redressal for all stakeholders of the University system.

- ◀ The IQAC has also initiated Student Mentoring, Student Counseling, Parent-Teacher Interface in all academic departments and reorganized Calicut University Alumni Association.
- ◀ India Today Nielsen University Survey for 2014 and 2015 has been conducted and the report was sent to the agency.
- ◀ QS Asia Quacquarelli Symonds Pte Ltd. Singapore ranking of the University year 2015 was also done.
- ◀ Week-Hansa Best University survey for the years 2013-2014 has been conducted.

The IQAC has so far conducted 2 Orientation programme/workshops for faculty and staff of Calcut University and selected members from affiliated colleges.

6.5.5 How many decisions of the IQAC have been placed before the statutory authorities of the University for implementation?

The major decisions of IQAC placed before the statutory authorities include:

- ◀ Seminar on best practices on quality education

- ◀ Department wise assessment – Academic audit by IQAC office
- ◀ Reorganization of Alumni and its office space
- ◀ Workshop
- ◀ Scrap disposal
- ◀ Biogas plant for organic waste disposal
- ◀ Meetings of Planning Board
- ◀ Meetings of Research Council
- ◀ Renovation of buildings
- ◀ Construction of ramps in various departments
- ◀ Infrastructure development
- ◀ Construction of compound wall of University
- ◀ Updating Staff Directory
- ◀ Quarterly report to Chancellor
- ◀ Development of Econtent in 77 subjects at PG level
- ◀ Compilation of data in connection with PBAS of faculty members.
- ◀ AQAR for the years 2010-2014.

After getting administrative sanctions from the statutory authorities, all the decisions of 2014 are under implementation in the year 2015 and in addition two more major decisions were taken in 2015 and it was decided to submit the following documents to NAAC:

1. Letter of Intent (LoI)
2. Self Study Report (SSR)

6.5.6 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.

IQAC has three external members in the Committee namely,

- ◀ Mr. K.N. A. Khadar, MLA, representing local bodies
- ◀ Mr. K.V. Kunhammad Koya representing Industry
- ◀ Dr. M.M. Basheer, Dean Faculty of Language

6.5.7 Has the IQAC conducted any study on the incremental academic growth of the students from disadvantage sections of the society? What policies are in place for the periodic review of administrative and academic departments, subject areas, research centres, etc.?

- ◀ A Research Council is functioning in the University to review the performance of its research Scholars and thereby to ensure quality of research.
- ◀ As part of strengthening the review system, the University has announced Annul Award for the best Researcher and Best paper published by the faculty of the University.
- ◀ Provision of autonomy to learners, teaching and non-teaching staff within wellframed University norms and regulation.
- ◀ Introduction of transparency and openness through phased e-governance initiatives.
- ◀ Optimization of existing resources through sharing.
- ◀ Comprehensive academic audit system through IQAC.

- ◀ Provision of Research Starter Grants and Travel Grants to faculty to attend seminars and conferences.
- ◀ Free IT training for administrative staff.
- ◀ Group Insurance scheme for staff and students.
- ◀ Academic Achievement Award to encourage faculty excellence.

6.5.8 Any other information regarding Governance, Leadership and Management which the University would like to include.

- ◀ The University of Calicut was ranked **27th** among the top universities in India rated by **India Today in 2013**. There is a jump of 46 to 26.
- ◀ Google has selected University of Calicut as the **fourth** in searches of Universities world-wide.
- ◀ **QS University Rankings: BRICS 2015** – a ranking of the top Universities in the five BRICS countries (Brazil, Russia, India, China and South Africa). The University of Calicut ranked 101 in the world-wide. There were more than more than 800 Universities participated in the ranking survey. 31 Universities of India placed in the ranking and University of Calicut got **16th place**. Further **7th place** among 21 Universities included in BRICS ranking.

The eight indicators used to create the BRICS ranking are:

- o Academic reputation
 - o Employer reputation
 - o Faculty/Student
 - o International Faculty
 - o International Students
 - o Citation per paper
 - o Paper per Faculty
 - o Faculty staff with Ph.D
- ◀ University bagged e-Governance Award from the Government of Kerala.
 - ◀ 143 new colleges added to the University during the past four years.
 - ◀ 73 new academic programmes added in a span of four years.
 - ◀ 53 new research centres sanctioned in four years.
 - ◀ First University in Kerala that has implemented Right to Service Act.
 - ◀ RUSA – towards augmenting research and development, University secured Rs.20 crores during the XII Plan from RUSA.

□

Criterion-VII
INNOVATIONS & BEST PRACTICES

**CRITERION VII:
INNOVATIONS AND BEST PRACTICES**

7.1 Environment Consciousness

7.1.1 Does the University conduct a Green Audit?

Yes. The University conducts Green Audit for its campus and insists on such activities in affiliated colleges. Green audit for the campus is being carried out annually and on occasions prior to implementation of any developmental project, on a defined protocol. Efforts of tree planting in fallow lands, establishment of water harvesting structures for water management, installation of biogas plants for waste management etc. are outcomes of such audits/assessments undertaken by the University periodically. A 'Swach Campus Award', instituted by the University in 2015 for identifying clean and ecofriendly Departments within the campus is yet another initiative of the University in this direction. University has also instituted 'Best Green Campus Award' from 2014 onwards, which is a directive for affiliated colleges to undergo environmental audits and to undertake eco-friendly measures adequately.

The following organizations/activities are responsible for ensuring the environmental appraisal of the campus.

1. **Campus Landscaping Unit:** A unit with a work force of 22 members is involved in upbringing the aesthetic beauty of the campus with judicious management of available environmental resources. Environmental appraisal activities associated with individual departments, maintenance of University Park etc. are within the purview of the Landscaping Unit.
2. **Estate Department:** The Department is responsible for undertaking various eco developmental activities in the campus. This Department operates in confluence with the Planning and Development Department of the University for decision making on matters concerning environment on developmental projects. Eco restoration, land and water management, waste management (solid and liquid) etc. are the main concerns of the Department.
3. **National Service Scheme:** A unit is functioning in the Campus for upholding the mandate of the National Service Scheme. The unit organizes various action/awareness programmes on social aspects/ environment, which are of immense benefit to the campus community. Campus Greening Programme is one such activity undertaken by the unit every year for upbringing the environmental quality of the campus.
4. **Green Brigade:** An eco-club is functioning in the campus for inculcating the spirit of environmentalism among various section of the campus community. Since its inception in 2010, it has successfully undertaken various minor projects of MoEF under National Environmental Awareness Campaign (NEAC). A brief description of some of the successful programmes undertaken by the Club is given below:
 - ◀ Introduction of bio diverse mix tree species – This is being carried out with the intension of restoring the degraded environments of the campus. The project also envisioned enrichment in the biodiversity of the campus upon maturation of the tree species.
 - ◀ Setting up of Butterfly Park –The Eco club ventured for the establishment of a Butterfly park in the campus with the introduction of selected plant species which can act as feeding / breeding stock for the butterflies.

- ◀ Setting up of Bamboosetum - Kerala forms a natural habitat for diverse bamboo species. The project attempts to bring all bamboo species in the University of Calicut. This, apart from facilitating germplasm collection and storage, will help in providing seedstock materials for various ecorestoration activities in the campus.
- 5. **Agri-food flower fest:** The University is regularly organizing Agri-food flower fest every year starting from 2013. Lakhs of planting materials are being distributed every year through the programmes and also it gives an opportunity to the local public to get aware of the various extension activities of the University and Government Departments on Agriculture, Afforestation, Food adulteration, Nutrition and health, etc.
- 6. **One student – One tree project:** *One student – One tree project* has been implemented in the University as part of the central Government initiative to encourage students' participation in afforestation and Agri Horticultural activities.
- 7. **Green fest:** A green Fest was organized in June 2014 so as to make planting materials, organic fertilizers and farm products available to local community. Several people visited the fest and procured the materials needed for their homestead farming. Organic products and other processed food products were also available in the fest.
- 8. **Best Green Campus Award:** The Best Green Campus Award instituted in 2014 is yet another initiative of the University to insist on affiliated colleges to undertake green audits and to undertake environment friendly measures adequately.

7.1.2 What are the initiatives taken by the University to make the campus -eco-friendly?

Energy conservation:

- ◀ Use of renewable energy: Efforts have been undertaken to use solar energy in the campus and thereby to reduce conventional power consumption, which would help in overcoming power crisis. Solar energy is presently utilized for street lights and office purposes. Details of installations made in this direction are given below.

Solar street lights: 57 Nos. (30 Watts) are installed in the campus.

Solar powerhouse: 6 modules (25KW each) are installed in the campus (2 Nos. in Ladies Hostel, 1 No. in Men's Hostel, 1 in Administration Block, 1 in Library and 1 in Digital Wing) and are functioning.

- ◀ Biogas plant: Two 30 cubicmetre Digister Volume Fixed Dome-shaped Biogas plants, each with an installation cost of Rs. 5.5 lakhs are proposed in Ladies Hostel, one each in New and Old Blocks.

Water Conservation:

- ◀ Water harvesting: Extensive rain water harvesting projects have been implemented in the last five years. Three 20x20x6 m³ water conservation ponds were constructed at different locations of the campus. One large water conservation pond of size 50x50x6 m³ was constructed in the Botanical Garden for rain water harvesting. It holds water for about three feet depth even during extreme summer months. It is a main source of water for the Botanical Garden and University Park.
- ◀ Moisture Conservation Pits: Constructed 3000 moisture conservation pits of 1x 1x1 m³ size to conserve rain water and to recharge Ground Water at different locations of the Campus.
- ◀ Check dam construction: Constructed 5 structures of size ranging from 3x 3x2 m³ to 11.5 x 7 x 2 m in the campus to harvest rain water and reduce soil erosion.

Efforts for Carbon neutrality:

- ◀ **Implementation of E governance:** Implementation of e-governance in the University is one among the novel means to promote carbon neutrality. E governance implemented through DDFS considerably reduced the use of paper and other office stationery in the University. Emailing and web posting of hand outs are also promoted both in the administrative and academic sectors.
- ◀ **Introduction of non-polluting vehicles**
For the maintenance of a smoke free campus, bicycles were issued to the students free of cost. The stakeholders were mainly hostel dwellers of the campus.
- ◀ **Restriction on plastic and other polymeric materials for advertisements:**
Use of rexine/plastic or allied materials are restricted in the campus for the printing of banners/posters etc.
- ◀ **Green planting/carbon offset planting:** Excessive planting of biodiverse mix tree species has been practiced in the campus for enhancing its environmental quality. Some of the attempts in this direction are listed below:
 1. Mango Orchard in an area of 5 hectares of land was established in 2012-13 by planting 800 Nos. of grafts belonging to 10 varieties.
 2. Mango Orchard in another area of 5 hectares of land was established in 2013-14 by planting about 890 Nos. of Mango grafts.
 3. In addition to the above, planting of a wide variety of tree species, which are ideal to the unique geography of the campus, has been practiced in the Campus as part of ‘Greening the campus programme’.

Hazardous waste management:

- ◀ **e-waste management:** Yes. The University has implemented the Government order (No.75454/AD-K-ASST-4/2015/Admn dtd. 15.06.2015) and registered with Clean Kerala Company to remove the e waste out of the campus. Effective implementation of such programme has been accomplished in the University through a centralized process, monitored by the University Science Instrumentation Centre (USIC).
- ◀ **Tobacco free campus:** The campus is declared ‘Tobacco free campus’ in the year 2009. Voluntary organizations like NSS periodically organize campaigns for the same.
- ◀ **Waste Treatment Plants:** Waste disposal bins are kept in all departments as well as in open areas of the campus for the collection of biodegradable solid wastes. Such materials are either subjected to composting in large tanks or incinerated (controlled). The University follows the REDUSE policy towards non-biodegradable waste materials. The liquid wastes generated are made to settle in stabilization tanks and are used for irrigation.

Plant Diversity Conservation:

◀ **Calicut University Botanical Garden:**

Established in 1971 in the lush green panoramic, undulating, lateritic hummocky land of the Calicut University Campus, the Calicut University Botanical Garden (CUBG), has developed into an excellent centre of biodiversity and ex situ conservation of tropical Indian flora and exotic species. In 1985 the CUBG has achieved international status when it was recognized by the International Consortium of Botanic Garden and Centre for World Conservation Strategy.

The garden sprawls over 19.5 ha with a shallow basin encompassed by the slopping terrains except a narrow gap on the southern side where it slides down to a small transitory reservoir, providing diverse habitat and niche for a variety of plants. *Ex situ* conservation of the Rare, Endangered and Threatened (RET) plants of South India is the major thrust area of the garden.

Aroids: A good collection of wild and ornamental aroids forms a major attraction of the Green House. More than 60 species of aroids including the RET and endemic one.

Aquatic Plant collection: About 30 aquatic plant species of Kerala are maintained in tanks. These include the floating *Azolla*, *Eichhornia*, *Lemna*, *Pistia*, *Salvinia*, *Spirodela*, *Wolffia* and emergents like *Alisma*, *Nelumbium*, *Lagenandra* and *Thalia*. Submerged aquatics like *Blyxa*, *Cabomba*, *Ceratophyllum*, *Cryptocoryne*, *Hydrilla*, *Microsorium*, *Vallisneria*, etc., are displayed in the garden.

Bamboosetum: On the northern sloppy terrain a good collection of 11 species of bamboos are well maintained. The Buddha's belly bamboo, (*Bambusa vamin*), Bush bamboo, Thornless Bamboo and Yellow bamboo (*B. striata*) are the major attractions.

Bryophytes: Over 20 species of bryophytes (Liverworts, Hornworts and Mosses) naturally occur in CUBG. *Cyathodium*, *Riccardia* and *Riccia* are the common liverworts. *Anthoceros* and *Notothylas* are Hornworts and *Bryum*, *Fissidens*, *Hyophila* and *Octoblepharum* are the common mosses.

Cacti and succulents: Many large cacti and succulents like *Caralluma*, *Cereus*, *Euphorbia antiquorum*, *E. nivulia*, *Opuntia*, *Pedilanthus*, *Sansevieria*, *Stapelia*, etc., are cultivated on the rocky area of the western slope of the Garden. A separate house is coming up for these plants with the assistance of MoEF.

Ferns and Fern Allies (Pteridophytes): These non-flowering, primitive plants are exquisite for their magnificent leaf architecture. The CUBG has the biggest collection of wild pteridophytes among the University Botanical Gardens with over 100 species. Edible fern (*Athyrium*), Club mosses (*Lycopodium*), Little club mosses (*Selaginella*), Maiden hair ferns (*Adiantum*), Moon worts (*Botrychium*), Mosquito ferns (*Azolla*), Royal fern (*Osmunda*), *Salvinia*, Spleen worts (*Asplenium*), Stag-horn ferns (*Platyserium*) and Tree fern (*Cyathea*) are grown in the garden. Most of the rare ferns of the Western Ghats are under conservation in the CUBG.

Gingers: A good collection of graceful gingers (Zingiberaceae) is maintained in different green houses viz. Ginger villa, Ginger House and Spices House and in the "Ginger Zone" of the Botanical Garden. The collection includes gingers from Northeast India, Andaman & Nicobar Islands and exotics from China, Malaysia, Sri Lanka and Thailand. About 80% of the live collections of Indian gingers are maintained in the CUBG. It covers over 2000 accessions belonging to about 210 taxa. The wild relatives of economically important genera such as *Alpinia*, *Amomum*, *Curcuma*, *Elettaria*, *Hedychium* and *Zingiber* are conserved in field simulating its natural habitat.

Gymnosperms: In addition to the native *Cycas circinalis* and *Gnetum* (2 male and 1 female plants), the Cycads like *Zamia floridana* and *Z. furfuracea* and Conifers like *Abies*, *Agathis*, *Araucaria*, *Cupressus*, *Juniperus* and *Podocarpus* represent the naked seeded plants of the Garden.

Medicinal Plants: The Western Ghats of Kerala is well-known for its medicinal plant wealth and the tradition of indigenous system of medicine (Ayurveda). A fairly good collection of plants (over 200 taxa) used in Ayurveda are preserved in the "Medicinal Plant House". These include 'Nalpamara' (4 *Ficus* spp.) 'Dasamoolam' (10 medicinal root plants) and 'Dasapushpam' (10 sacred plants of Kerala tradition and culture). *Rauvolfia serpentina* (the source plant of

Reserpin) *Sida* spp. (Kurunthotti used in the Ksheerabala) *Acorus calamus* (Vayambu) an aquatic aroid, are some of the important medicinal plants. The rare ‘Maramanjhal’ (*Coscinium fenestratum*) is well growing in the Medicinal Plant House as well as in the open garden.

Mushrooms and other macro fungi: The Calicut University Botanical Garden is remarkable for the very high diversity of mushrooms and other macrofungi most of which are well documented

Orchidarium: Over 50 species of wild orchids such as *Acampe*, *Aerides*, *Calanthe*, *Geodorum*, *Habenaria*, *Oberonia*, *Rhynchostylis* and *Seidenfia* are grown in the green house. Endemic species like, *Acanthephippium bicolor*, *Ipea malabarica*, (Malabar daffodil) are conserved in the orchidarium. Ornamental orchids like Dancing girl (*Oncidium*) Dove orchid (*Peristeria*), Soniya (*Dendrobium*), Spider orchid (*Arachnis*) are the attractions of the orchidarium.

Ornamental Plants: A good number of ornamental plants (both foliage and flowering) are displayed in the garden.

Palms: In addition to the Coconut, avenues of Royal Palms and Oil Palms, several other agri-horticulturally valued palms such as *Areca*, *Arecastrum*, *Chrysalidocarpus*, *Cyrtostachys*, *Licuala*, *Rhapis* and *Zalacca* are introduced in the garden. Besides, the common Fish-tail palm, *Caryota urens*, *Corypha umbractulifera* run wild in large numbers.

Spices: CUBG has one of the oldest Vanilla plantations. Black Pepper, Cardamom, Cinnamon, Clove, Ginger and Nutmeg are the other spices grown in the garden.

Trees and Lianas: Cashew (*Anacardium*), Coconut palms, Jack fruit (*Artocarpus*) and Mango (*Mangifera*) were present in the garden area before its acquisition. Many tree species are introduced. Timber plants like Irul (*Xylia*), Mahogoni (*Swietenia*), Maruth (*Terminalia*), Rose wood (*Dalbergia*), Teak (*Tectona*) are well grown in the garden. The African Baobab (*Adansonia digitata*) is a curious tree. Other important trees are: *Adenantha*, Aeroplane tree (*Ochroma*), African tulip tree (*Spathodea*), Camphor tree (*Cinnamomum*), Champaka (*Michelia*), Iron wood tree (*Mesua*), Rudraksha tree (*Elaeocarpus*) and Sausage tree (*Kigelia*). The beautiful flowering trees include *Cochlospermum*, *Erythrina*, *Lagerstroemia*, *Spathodea*, etc. *Adenocalymma*, *Allamanda*, *Bignonia*, *Quisqualis* and *Saritaea* are the attractive climbers with graceful flowers.

Arboretum: Recently, the University has allotted another c. 15 ha. of land adjacent to the garden for arboretum. This area on the southern part is undisturbed natural forest allowing the succession in a natural way. This is the core area where visitors are not permitted to disturb the vegetation. A banyan tree (*Ficus benghalensis*) is spreading with its prop roots and plenty of epiphytic plants and arboreal animals. The wild plants include *Hugonia mystax*, *Memecylon umbellatum*, *Mimusops elengi*, *Olea dioica* and *Sterculia guttata*. Some forest trees such as *Toona* and *Schefflera* are grown along the border region of the arboretum. Many climbers such as *Anamirta cocculus*, *Calycopteris*, *Gymnema sylvestre*, *Tinospora*, and epiphytes such as *Acampe*, *Drynaria* and *Pyrrosia* give a feeling of tropical wet evergreen forest inside the arboretum. A magnificent *Antiaris toxicaria* (Maravuri) of 25 m high is the main attraction.

◀ **University Park:**

The University Park situated in the heartland of the University is splendid with aesthetically designed lawns, trees and ornamental plants. It functions as a recreation area for the campus community and local people equally.

7.2 Innovations

7.2.1 Give the detail of Innovations introduced during the last five years which have created a positive impact on the functioning of the University:

Use of Technology

All University departments have computing centres for students and scholars specific to their needs. Campus wise sophisticated students' computer labs have been provided for multi-purpose use such as online language skill, computer skill, soft skill and for personality development. In addition, the University network enables access to all the online journals and research articles subscribed by the University as well as from national institutions through the respective libraries. A close user group mail service is put in action for the faculties, employees, researchers and students. The following are the major innovations made in the area:

- e-Governance (DDFS) with more than 1000 N-Computing
- Public Portal
- Fully Wi-Fi Campus
- Campus wide OFC Network
- New Servers (52 Lakhs)
- Cloud Computing Facility
- e-Tender for Transparency
- Solar Lighting
- Smart Class Rooms – 68 Smart Boards and Visual Presenters
- Web casting of Lectures – Online telecast of Expert lectures
- UG/PG Single window admission (2014 & 2015)
- Web centre with 36 Laptops
- Staff Training Centre in Tagore Niketan
- Digitization and e-application in Examination Management System
 - ✓ Exam Notifications - Online
 - ✓ Exam Registrations - Online
 - ✓ Hall Tickets - Online
 - ✓ RV Applications - Online
 - ✓ Exam/ RV Results – Online
 - ✓ Certificate Verifications - Online
 - ✓ Exam Monitoring Applications for knowing status of Examination Results, Status of RV and Status of application for Degree Certificate
- Digital Signature – for quick delivery of Degree certificates
- All payments and Receipts - Online e-payments
- Digitalization of old Examination Records (55 Lakhs)
- E-mail account – made available to all Staff and Students
- WhatsApp based administration – for addressing students grievances
- e-Campus Award – for the best Technology Driven Campus (for Colleges)
- e-Governance Award – Received from Govt of Kerala
- Recognition - BBC Ranked our University as the 4th **Most Google Searched Universities** in the world

- ◀ QS Ranking of Universities and Institutions in BRICS countries (Brazil, Russia, India, China and South Africa) it stood as 101st position among the Universities/Institutions and 16th position among 31 Universities in India. Further **7th place** among 21 Universities included in BRICS ranking.

Technological Innovations:

1. **Website:** In 1997 the University set up a website which underwent major upgradation in 2001 and later in 2009.
2. **New communication facilities:** In January 1994, a facility for e-mail was established through ERNET. At present, the Computer Centre has designed and implemented an intranet in the University campus for use by different wings.
3. **SMS Communication:** With the advent of mobile phones the University has started to use SMS for various purposes. This has proved to be very effective and highly personalized way of delivering information, while effecting considerable savings on stationery. In addition to saving labour, stationery and postage costs, this is a meaningful step towards conserving resources.
4. **Digital Archiving:** The University has taken up digital archiving in a massive way using the following facilities:
 - ◀ Manuscript library
 - ◀ Exam digitalization
 - ◀ Library Digitalization
 - ◀ Herbarium Digitalization etc.
5. **e-Governance:** The key e-governance initiatives include:
 - ◀ **Single window Admissions:** An online single-window system has been established for PG and UG admissions.
 - ◀ **Document Verification Portal:** For students as well as employers for verification of documents the site is available. The University degree certificate comes with Hologram and a number of security features.
 - ◀ **Electronic Observation:** CCTV's are installed at all major points to ensure security on campus. The system is interconnected by OFC networking system with observation point at security officer s desk. Video is recorded for future reference.
 - ◀ **Campus Networking:** All administrative and academic departments in the University are interconnected by OFC with data, Internet and video channels.
 - ◀ **Biometric Punching:** Biometric punching has been introduced for the staff and research scholars of the University to ensure transparency and punctuality in attendance.
 - ◀ **Digital Document Filing System (DDFS):** Administration computerization started with the implementation of DDFS (Rs. 6 crore project- over 800 desktops connected) in all administrative sections, academic departments and remote centres of University of Calicut. DDFS covers the entire life cycle of a document in the Calicut University, beginning with the creation of a Tappal and ending with the closing of the file. Rich and user friendly interface enables the users to work effortlessly with their files. The system is highly secure with each operation monitored and audited. DDFS ensure the integrity of data and to reduce the number of documents presented to the user only to those documents that are relevant to his or her role. Paper documents can be entered onto an EDMS by simply scanning images of them. DDFS allows keyword searches.

- ◀ **e-grants for SC/ST:** E-grants system has been developed for the processing of grant/Fellowship applications of SC and ST students and the system has made the entire process easy and student friendly.
- ◀ **Webcast of Educational Programmes:** EMMRC of the University has launched webcast of educational programmes. The webcast programmes can be viewed globally through <http://www.emmrccalicut.org/live.php>. In the ongoing first phase, educational video programmes, produced by the centre are used as the content for the webcast. Live syllabus based lecture programmes will be webcast in the second phase. Centre’s major proposal is to start regional language based web cast of educational content.
- ◀ **e-content Development:** EMMRC has successfully completed the first phase of e-content production on the subjects Mathematics and Education based on UG syllabus.

7.3 Best Practices

7.3.1 Give details of any two Best Practices which have contributed to better academic and administrative functioning of the University.

E-governance introduced in the University in the assessment period is a major jump towards efficient and paperless administration and student services tremendously. The details are given below.

Best Practice I

e-Governance:

E-governance was implemented in the University so as to facilitate full automation of administrative, financial and examination related activities of the University.

I. Administrative reforms:

1. Digital Document Filing System - towards paperless office.

Administration computerization starts with the implementation of DDFS in all administrative sections, academic departments and remote centres of University of Calicut. DDFS covers the entire life cycle of a document in the Calicut University, beginning with the creation of a Tappal and ending with the closing of the file. Rich and user friendly interface enables the users to work effortlessly with their files. The system is highly secure with each operation monitored and audited. DDFS ensure the integrity of data and to reduce the number of documents presented to the user only to those documents that are relevant to his or her role. Paper documents can be entered onto an EDMS by simply scanning images of them. DDFS allows keyword searches.

DDFS User Statistics

Total Active Users (Active users with active seats)	: 1,216
Total Inwards	: 1,82,202
Total Files	: 33,196
Total Drafts/Documents	: 55,019
Total University Orders	: 13,944

2. Biometric Punching system for attendance monitoring:

Biometric punching has been introduced for the staff and research scholars of the University to ensure transparency and punctuality in attendance.

II. Finance Applications:**1. CUFIN**

Developed and implemented in 2003 for salary preparation. Python and glade are used as frontend and python and postgresSQL database is used as backend. This software has been shared with Kerala University, MG University and Kannur University.

2. Employees Spot

Provides employee salary details, leave details etc. Online at <http://202.88.252.18/CuPbOnline/site/index.php>

3. Pensioners' Spot

<http://202.88.252.8/pension/>

4. Dinero

University accounting software: Developed in Yii frame work and mysql database.

III. Calicut University Instant Web Payment System

(<https://www.uoc.ac.in>)

Introduced e-payment system to remit various University fees through online in collaboration with State Bank of Travancore

IV. Examination Applications:

The University developed plenty of applications for this purpose. All activities of examination wing have already been computerized. All the applications for examination purpose are developed using Python, PHP and postgresSQL. All are web applications. Apache is using as web server. The following are the major online applications developed for the purpose:

- ◀ Online Examination Notifications
- ◀ Online Examination Registrations
- ◀ Online Hall Ticket Issuing
- ◀ Online Examination Results
- ◀ Online Revaluation Application Processing
- ◀ Degree Certificates with the Digital Signature of the Vice-Chancellor

V. Online Certificate Verification System

(In collaboration with myeasydocs) www.cudirectverify.in

Online certificate verification system has been introduced in the University to help outstation employees and employers.

VI. Admission and Placement:

Online single window system has been introduced through the following windows for admissions and placement.

- ◀ Centralised Single Window Admission System (www.cuonline.ac.in)
- ◀ University Placement Portal (www.cuplacements.in)

Best Practice II**2. Student empowerment programmes:****1. Examination revamping**

- ◀ Issue of certificates

- ◀ Revaluation
- ◀ Publication of revaluation results
- ◀ Pending 47,000 Degree Certificates cleared
- ◀ Total 182,579 degree certificates signed till 30 June 2014
- ◀ Regular monitoring introduced
- ◀ Published large number of pending results of last four years
- ◀ Special supplementary examination introduced for candidates registered from 1990 onwards.
- ◀ Digital Signature on Degree Certificate implemented.

2. M-Governance

We are extensively using SMS gateways of Kerala Government and Central Government (esms.kerala.gov.in and esms.mgov.gov.in) for giving SMS to our students while using various online applications like e-payment etc.

3. IT Infrastructure

- ◀ Calicut University Computer Centre has been instituted to take lead for the in house development of software systems.
- ◀ University Data Centre with 18 numbers of high end Linux Servers and San storage
- ◀ Secure Campus WiFi connectivity with 160 access points
- ◀ Building to Building WiMax Connectivity
- ◀ 40 seated Staff Training Centre and Web Centre
- ◀ NKN Connectivity
- ◀ Campus wide OFC Network
- ◀ Leased Line Internet connectivity (BSNL and ASIANET)
- ◀ Installed 800+ n Computing devices as clients so as to minimise energy conception and e-wastes

4. **Eco friendly transport for in campus movement by free bicycles.**

5. **Gymnasium facility for Boys and Girls**

6. **100% Power back up for all Hostels, Labs and Academic departments.**

7. **Entire campus Wi-Fi enabled.**

8. **Health Centre with free medicines and fully loaded ambulance.**

9. **Free Day care centre.**

10. **Interactive Learning – Smart Class Rooms**

11. **ID card to all students and employees**

Constraints encountered: The two major Best Practices mentioned above resulted in the transforming the campus in to modern and student friendly in a large way. There were No major constraints were encountered except for the fact that, being the pioneers to implement the system in the state, it took some time to the providers and beneficieries to get fully accomplished with the new practices.

Other Best Practices:

1. **Weekly Journal Club (Department of Biotechnology):** Journal club is a platform for the academic interactions and building confidence to the students in presenting the scientific concepts, conceptualizing, analyzing and communicating the ideas and also give confidence in attending interviews for higher studies and job opportunities.
2. **Class room library (Department of Biotechnology)::** The Alumni in collaboration with PTA of Chemistry Department introduced a class room library; the books are under the custody of the students and are available to the students at any time (24x7x365). This will help the students for achieving good results.
3. **Research with publications:** Every research student registered to Ph.D should publish at least two articles in the chosen topic in peer Reviewed International Journals before submitting his/her Ph.D. thesis. This policy greatly helps the student to involve in active research and get a deep insight in to the concerned topic.
4. **Endowment awards to best students:** Most of the departments are providing endowment awards to meritorious and needy students to ensure better enthusiasm and involvement of students in academic activities.
5. **Quality improvement in Social Science Research:** The objective of the programme is to encourage social science researchers in adopting standard methodology of research to adopt advanced statistical tools in the data analysis. In the current scenario, researches on commerce, management and other social sciences are highly inevitable to achieve the objectives of LPG. Because of LPG the country achieved remarkable progress in the field of business studies like banking, insurance, retailing, entrepreneurship, HR, marketing, etc. In order to enjoy the fruits of these developments by the stakeholders it is necessary to promote research on these areas. But it is possible only through the adoption of apt methodology of research. In this context, workshops are regularly organized in this area.
6. **Changing with the Times (Department of Journalism)::** The central idea was to shift from depending solely on theory building and its transmission to practical applications. So we introduced more application based papers giving emphasis to technical learning in related subjects, which demanded such needs. Courses on Media Management, Creative Writing for Media, Video Programme Production and Technical Writing and Organizational Communication were introduced. This was adequately supported by regular updating of syllabi, curriculum and modes of teaching to suit the changing times.
7. **Physics for Service of Mankind (Department of Physics):** The Department emphasizes the fact that Physics is the basic tool for all the technological development that the society is enjoying through sophisticated and comfortable living environments. Training programmes and workshops are conducted for students, researchers, farmers and general public. Students' competitions are organized to instill this feeling among them.
8. **Inspiring Budding Researchers:** This programme is organized to disseminate information on the career prospects and attract young talent towards basic research. High school and Plus-two students are not exposed to the prospects of selecting research as a career. The programme was intended to open a window into the exciting fields of research and inspire the young minds to select research as a career.
9. **Women development cells in affiliated colleges:** The Department of Womens studies initiated the functioning of women Developmant Cells in all affiliated colleges of the University so as to equip girl students to face the challenges of changing world.

- 10. Earn while learn:** Department of Arabic has developed a model of '*earn while learn*' through providing the students chances to work as translators in the institutions like Calicut International Airport. Further the department has a system of assisting the govt. institutions and public who are in need of preparation and translation of Arabic documents, through the Translation Bureau.

Community Outreach Programmes

- 1. Agri-food flower fest:** The University is regularly organizing Agri-food flower fest every year starting from 2013. Lakhs of planting materials are being distributed every year through the programmes and also it gives an opportunity to the local public to get aware of the various extension activities of the University and Government Departments on Agriculture, Afforestation, Food adulteration, Nutrition and health, etc.
- 2. Green fest:** A green Fest was organized in June 2014 so as to make planting materials, organic fertilizers and farm products available to local community. Several people visited the fest and procured the materials needed for their homestead farming. Organic products and other processed food products were also available in the fest.
- 3. University Park:** Renovated the University Park and opened for public during evening hours. More than 200 people from outside visit daily for recreation.
- 4. Water for Community:** Renovated wells in the campus for drinking water requirements of neighboring community
- 5. Weekly Drama programme:** Public Relations Wing of University of Calicut has been organizing the regular weekly Drama Fest organised on all Friday evenings since October 2013. Regularly more than 500 people watch the drama, of which more than 75% are general public. So far 110 plays were staged. Debates based on plays are also organised as a part of the programme.
- 6. Health Centre:** The objective of University Health Centre is to provide health care that is quality oriented and sensitive to the needs of the community. Highly sophisticated **Diagnostic Laboratory** with modern diagnostic equipments is functioning in the Health Centre to ensure community service. It functions on all working days from 09.00 am to 02.00 pm to carry out all kinds of routine diagnostic tests absolutely **free of cost**. Majority of the beneficiaries are the public than staff/student community. The number of beneficiaries for the past five years is approximately 5 lakhs.



**PEER TEAM RECOMMENDATIONS -
ACTION TAKEN REPORT**

ACTION TAKEN REPORT ON THE PEER COMMITTEE RECOMMENDATIONS

1. Inter-departmental aspects of CBCSS need to be strengthened

Calicut University is one of the premier Institutions in the state of Kerala to introduce the CBCSS in a most effective manner. It has been reconstituted recently to make it more effective. An Academic Committee to manage the working of CCSS was constituted. Decided to extend CBCSS to affiliated colleges also.

The system provides flexibility to both the teachers and students. Flexibility is being offered at the level of electives and specializations maintaining the holistic nature of the programmes offered. The details of the programmes offered by the University under CBCSS in its campus and centres are detailed below:

1. School of Language and Literature

1. Department of Arabic: M.A. Arabic Language and Literature
2. Department of English: M.A. English
3. Department of Hindi: MA Hindi Literature; MA Functional Hindi and Translation;
4. Department of Comparative Literature: MA Comparative Literature
5. Department of Malayalam & Kerala Studies: MA Malayalam
6. Department of Sanskrit: MA Sanskrit

2. School of Biosciences

1. Department of Biotechnology: M.Sc. Biotechnology
2. Department of Botany: M.Sc. Applied Plant Science
3. Department of Life Sciences: M.Sc. Microbiology; M.Sc. Biochemistry; M.Sc. Human Physiology
4. Department of Psychology: M.Sc. Applied Psychology
5. Department of Zoology: M.Sc. Applied Zoology

3. School of Chemical and Physical Sciences

1. Department of Chemistry: M.Sc. Applied Chemistry
2. Department of Physics: M.Sc. Physics; M.Sc. Radiation Physics
3. Department of Nanoscience and Technology: M. Tech. Nanoscience and Technology

4. School of Mathematical and Computational Sciences

1. Department of Computer Science: M.Sc. Computer Science
2. Department of Mathematics: M.Sc. Mathematics
3. Department of Statistics: M.Sc. Statistics

5. School of Business Studies

1. Department of Commerce and Management Studies: MBA; M.Com.

6. School of Information and Communication Studies

1. Department of Journalism and Mass Communication: MCJ
2. Department of Library and Information Science: M. LiSc.

7. School of Education

1. Department of Education: M. Ed.
2. Department of Physical Education: M. P. Ed.

8. School of Social Sciences

1. Department of Women’s Studies: M.A. Women Studies
2. Department of Economics: M.A. Economics
3. Department of History: M.A. History
4. Department of Philosophy: M.A. Philosophy
5. Department of Political Science: M.A. Political Science
6. Department of Folklore Studies: M.A. Folklore

9. School of Fine Arts

1. of Drama & Fine Arts: Master of Theatre Arts; M.A. Music

2. Ensure involvement of more external experts in the revision and framing of syllabi

All Board of Studies were reconstituted with due representation of external experts. The University has a total of 113 boards of studies presently. The boards of studies function under 13 faculties and the faculties report to the academic council. Academic council is the highest authority formulating rules and regulations regarding course structure, curriculum and syllabus.

3. The syllabi of some laboratory courses need to be updated

During the past five years the syllabi of all subjects have been revised to cope up with the modern developments in the respective.

4. Need to incorporate modern teaching aids and new experiments

At least two class rooms of all Science Departments and one in each Arts, Humanities and commerce Departments have been provided with Smart Boards, projectors and PA systems for effective teaching.

5. Faculty needs to publish in high impact factor/high quality journals

Total number of papers published in high quality journals during the assessment period has increased considerably.

◀ Number of papers published in peer reviewed journals (national/international)	: 1626
◀ Monographs	: 14
◀ Chapters in Books	: 198
◀ Books edited	: 72
◀ Books with ISBN	: 52
◀ Number listed in International Database: (for e.g. Web of Science, Scopus, Humanities International Complete, EBSCO host, etc.)	: 192
◀ h-index	: 28

6. Needs to device mechanism to generate revenue through consultancy

A Directorate of Consultancy has been constituted to enhance the revenue through consultancy. The University has made MoU with the following Institutes/agencies:

Academic Collaboration:

- ◀ Kerala State Women’s Commission
- ◀ Mahila Samakhya
- ◀ Kerala Institute of Local Administration
- ◀ State Women Development Corporation
- ◀ Gender Park, Kerala, Dept. of Social Welfare
- ◀ Indian Association for Women’s Studies
- ◀ District Literacy Mission
- ◀ LSG at different levels
- ◀ Institute of Management in Govt.
- ◀ NGO’s like Sakhi, Anweshi, Rasta, Uravu, etc.,
- ◀ Kerala State Kudumbasree Mission
- ◀ Rajiv Gandhi Centre for Biological Sciences
- ◀ Indian Institute of Chemical Technology
- ◀ Aligarh Muslim University
- ◀ Tokushima Prefectural Museum, Japan
- ◀ S. S. A., Wayanad,
- ◀ C. D. S., Trivandurm
- ◀ S. S. A. State level
- ◀ ISRO, Bangalore
- ◀ BARC, Mumbai
- ◀ IIA.,Banglore
- ◀ IUCAA, Pune
- ◀ IUAC, NewDelhi
- ◀ C-MET, Thrissur
- ◀ MCC Thalassery
- ◀ SCERT
- ◀ KSSP
- ◀ ICHR
- ◀ Career Information and Guidance India (NGO)
- ◀ The Chamber of Education,New Delhi (NGO)
- ◀ CMET, Pune
- ◀ National University of Singapore
- ◀ Nanyang Technological University Singapore
- ◀ University of Pittsburgh, USA
- ◀ JNCASR, Bangalore
- ◀ Suhm Group (University of Gottingen)
- ◀ The Netherlands National Herbarium
- ◀ Gandhigram Rural University
- ◀ Indian Cardamom Research Institute

- ◀ Central Coffee Research Institute
- ◀ UPASI Tea Research Institute
- ◀ Kerala Forest Research Institute
- ◀ Indian Institute of Science
- ◀ Delhi University
- ◀ Rajiv Gandhi Centre for Biotechnology
- ◀ Tropical Botanical Garden & Research Institute
- ◀ M.S. Swaminathan Research Foundation
- ◀ IMHANS
- ◀ Medical Colleges of Kerala
- ◀ Children’s Homes
- ◀ ICCONS, Shornur
- ◀ MIMS Hospital Calicut
- ◀ Malabar Botanical Garden & Institute for Plant Sciences.

MoU’s have been signed with:

- ◀ University of Tubingen, Germany
- ◀ IIA Bangalore
- ◀ IUCAA, Pune
- ◀ IUAC, New Delhi
- ◀ C-MET, Thrissur
- ◀ MCC, Thalassery
- ◀ VSSC
- ◀ KSOM
- ◀ NIIST, Thiruvananthapuram
- ◀ CMET Pune and ISDC.

Presently most of the services are provided on voluntary basis. The details of revenue generated are given below.

Year	Revenue generated through consultancy services – Botanical Garden (CUBG) visit
2011	Rs. 28,075
2012	Rs. 15,225
2013	Rs. 49,400
2014	Rs. 34,600

7. Need to encourage intra-university collaborations

As part of CCSS and introduction of School system have strengthened inter departmental collaborations.

8. Ramps need to be provided in most of the buildings on priority for physically challenged students

All departments have been provided with ramps for easy access to physically challenged students. Further action will be taken to provide escalators to first and second floors on priority basis on the availability of funds.

9. Residential houses need to be repaired and renovated

Renovation of houses has been done by the residents and University. New residential complexes have been proposed during 2015-2016.

10. Synergy between central and departmental libraries required

In order to achieve synergy between the central library and department libraries, University Library has compiled a master catalogue with the bibliographic details of reading materials available in the central library and department libraries. All the functions at the service sections, of the library and Departmental Libraries are carried out with the help of the software, 'KOHA', including the issue and return of the books, generation of the reminder letters, collection of overdue charges, etc.

As part of the digitization of the library materials a scanner is installed in the INFONET section with the financial assistance of UGC and the digitization work of the research theses is in progress. The scanned theses are uploaded into the digital collection of shodhganga, which is the repository for electronic theses.

The INFONET section provides free access to the electronic resources available through the UGC-INFONET Digital Library Consortium and the e-books procured with the funds available for such purposes. This is also available in all Departmental Libraries. Purchase of journals has been centralized and the journals are placed in the Central Library for easy access to all users.

11. Measures need to be taken to improve the pass percentage

CCSS has been introduced at PG level and it has resulted in considerable improvement. Special coaching is being given to deserving students in all departments.

12. Men's hostel needs to be renovated

Already renovated. Construction of a new hostel block will be carried out to house the sports students. An amount of Rs. 9,48,20,057/- has been spent during 2010-14 for hostel construction and renovation. Two new hostel blocks have been constructed recently.

13. Lack of state-of-the-art equipment in the departments

A Central Science Instrumentation Facility has been introduced and all costly equipments are made available to the science departments through this facility.

14. Inadequate classroom infrastructures in various departments

Class rooms with modern facilities have been provided in all departments. More funds have been allotted for the construction of buildings for recently formed departments like as Nanotechnology.

15. Running of some programmes with inadequate facility

All newly introduced courses have been provided with sufficient space for functioning. Common Instrumentation facility is extended to these departments also.

16. Ensure success of newly introduced academic programmes

All newly introduced academic programmes are running successfully and the pass percentage is very high.

17. Establishment of school system for the betterment and strengthening of academic programmes

School system has been introduced in the University with the following composition.

1. School of Language and Literature
2. School of Biosciences
3. School of Chemical and Physical Sciences
4. School of Mathematical and Computational Sciences
5. School of Business Studies
6. School of Information and Communication Studies
7. School of Education
8. School of Social Sciences
9. School of Fine Arts

18. Strengthening of satellite centers

New buildings have been constructed for all the satellite centres and the facilities have been considerably improved.

19. Distance education examinations schedule needs to be worked out to avoid disturbances in the academic programmes of the affiliated colleges

Academic calendar has been made for SDE also and the examination schedule has been unified.

20. Proper fencing of the Campus is needed for the safety of girl students:

Fencing has been completed in the case of girls' hostels. Works at other areas are progressing.

21. Pay special attention to provide state-of-the-art facilities for sports:

Facilities for sports have been improved considerably with the following additions:

Development of the outdoor stadium

Calicut University is one of the best Universities for sports in India and has contributed many international athletes. Calicut University stadium is the biggest natural stadium of its kind in Asia, as no other stadium has enough space to contain a Cricket pitch of International standard and a 400 meters track with a Football court of international Standard in the center, enclosed with 70% gallery for spectators. The development was made in phases and now it has been completed.

Construction of a synthetic athletic track

University of Calicut has contributed many Athletes including 22 senior Indian International athletes, apart from a large number of junior level athletes. The achievement of the University in Inter University Athletics championships is also commendable. In view of the achievements in the field of sports and games, Association of Indian Universities has informed that Calicut University is under consideration of allotting a Centre of Excellence in Athletics, which aims to help the talents to acquire knowledge of latest trends in training practices.

Chain Linked Fencing

The Chain Linked Fencing for protection is already given around Volley Ball Courts, Basket Ball Courts, proposed multipurpose roofed court, etc.

Turfing of play fields

The football field has been renovated with new grass turfing on the western part of the stadium and inner to the athletic track. Development of gallery by paving exterior paving tiles on the steps has been carried out.

22. Stem Cell Research to be encouraged

Work is progressing in the Departments of Life Sciences and Zoology.



ANNEXURES

ANNEXURE – I

**LIST OF FOREIGN STUDENTS ADMITTED IN THE UNIVERSITY DEPARTMENTS
AND AFFILIATED COLLEGES DURING THE PAST FIVE YEARS**

Sl. No	Name of the Student	Nationality	Course	College	Period of Study
2010 Admission					
1.	Mr. Mohammad Osman Shirzad	Afghanistan	B. Com	St. Joseph's College, Devagiri, Calicut	2010-2013
2.	Ms. Gita Habibi	Afghanistan	BBA	Providence Women's College, Calicut	2010-2013
3.	Mr. Abdul Mustaan Rashed	Afghanistan	B. Sc. Computer Science	Farook College, Calicut	2010-2013
4.	Mr. Khalid Shirzad	Afghanistan	BBA	Farook College, Calicut	2010-2013
5.	Mr. Quadir Ali Danish	Afghanistan	BCA	St. Mary's College, Sulthan Bathery	2010-2013
6.	Mr. Mohammad Atef Faizy	Afghanistan	BBA	Farook College, Calicut	2010-2013
7.	Mr. Sayed Abdullah Ahmadi	Afghanistan	B. Com	St. Joseph's College, Devagiri, Calicut	2010-2013
8.	Mr. Mohammad Ebrahim	Afghanistan	B. Sc. Computer Science	Farook College, Calicut	2010-2013
9.	Mr. Shuja Allah	Afghanistan	B. Com	St. Joseph's College, Devagiri, Calicut	2010-2013
10.	Mr. Mahmood Hellali	Afghanistan	BCA	St. Mary's College, Sulthan Bathery	2010-2013
11.	Mr. Wahidullah Rahimi	Afghanistan	B. Sc. Computer Science	St. Thomas College, Thrissur	2010-2013
12.	Mr. Ghulam Qader Sarwary	Afghanistan	B. Sc. Computer Science	St. Thomas College, Thrissur	2010-2013
13.	Mr. Ghulam Haider Yusufy	Afghanistan	BBA	MES Kalladi College, Mannarkad	2010-2013
14.	Mr. Zakir Ahmad Seddiqi	Afghanistan	B. Sc. Computer Science	St. Thomas College, Thrissur	2010-2013
15.	Mr. Zubair Ahmad Samiz	Afghanistan	B. Com	St. Joseph's College, Devagiri, Calicut	2010-2013
16.	Mr. Ahmad Shikeb	Afghanistan	B. Sc. Computer Science	St. Thomas College, Thrissur	2010-2013
17.	Mr. Ahmad Baktash Hayeri	Afghanistan	BCA	St. Mary's College, Sulthan Bathery	2010-2013

18.	Mr. Massoud Waheedi	Afghanistan	B. Com	St. Joseph's College, Devagiri, Calicut	2010-2013
19.	Mr. Abdul Malik Rahmani	Afghanistan	B. Sc. Computer Science	St. Thomas College, Thrissur	2010-2013
20.	Mr. Qais Danish	Afghanistan	BBA	MES Kalladi College, Mannarkad	2010-2013
21.	Mr. Qari Mohammad Peran	Afghanistan	B. Com	St. Joseph's College, Devagiri, Calicut	2010-2013
22.	Mr. Asadullah Nazari	Afghanistan	BCA	St. Mary's College, Sulthan Bathery	2010-2013
23.	Mr. Lutful Rahman Haqumal	Afghanistan	B. Sc. Computer Science	Farook College, Calicut	2010-2013
24.	Mr. Nooruddin Noori	Afghanistan	BBA	MES Kalladi College, Mannarkad	2010-2013
25.	Mr. Ahmad Mustafa Tedaie	Afghanistan	B. Sc. Computer Science	St. Thomas College, Thrissur	2010-2013
26.	Mr. Ali Ahmad Hakimi	Afghanistan	BBA	MES Kalladi College, Mannarkad	2010-2013
27.	Mr. Sediqullah Muslim	Afghanistan	B. Sc. Computer Science	Farook College, Calicut	2010-2013
28.	Mr. Aalim Jannaty	Afghanistan	BBA	MES Kalladi College, Mannarkad	2010-2013
29.	Mr. Muhammad Zalmai Mellatyar	Afghanistan	B. Sc. Computer Science	Farook College Calicut	2010-2013
30.	Mr. Mohammad Younus Hashami	Afghanistan	BBA	Farook College, Calicut	2010-2013
31.	Mr. Turyallai Sahim	Afghanistan	BBA	Farook College, Calicut	2010-2013
32.	Mr. Faizan Quraishi	Afghanistan	B. Sc. Computer Science	St. Thomas College, Thrissur	2010-2013
33.	Mr. Habibullah Barakzai	Afghanistan	BBA	Farook College, Calicut	2010-2013
34.	Mr. Mohammad Zarif Haasani	Afghanistan	B. Sc. Computer Science	Farook College, Calicut	2010-2013
35.	Mr. Talib Hussain Askari	Afghanistan	BBA	MES Kalladi College, Mannarkad	2010-2013
36.	Mr. Jawed Mansoor	Afghanistan	B. Sc. Computer Science	Farook College, Calicut	2010-2013
37.	Mr. Mansoor Ahmad Rahman Zai	Afghanistan	BBA	Farook College, Calicut	2010-2013

38.	Mr. Atal Khan Gardiwal	Afghanistan	B. Sc. Statistics	Farook College, Calicut	2010-2013
39.	Mr. Waisuddin Ghanizada	Afghanistan	B. Com	Farook College, Calicut	2010-2013
40.	Mr. Ahmad Pardes Amarkhil	Afghanistan	BA. Economics	Malabar Christian College, Calicut	2010-2013
41.	Mr. Wakman Safi	Afghanistan	BA. Economics	Malabar Christian College, Calicut	2010-2013
42.	Mr. Ahmad Naem	Afghanistan	B. Sc. Computer Science	EMEA College, Kondotty	2010-2013
43.	Ms. Mehri Mirzad	Afghanistan	BBA	Providence Women's College, Calicut	2010-2013
44.	Mr. Faraidoon Farzan	Afghanistan	BA. Economics	Malabar Christian College, Calicut	
45.	Mr. Sayed Mohammad Hussain	Afghanistan	B. Com	PSMO College, Tirurangadi	2010-2013
46.	Mr. Abdul Ghayas Haqmal	Afghanistan	BBA	EMEA College, Kondotty	2010-2013
47.	Mr. Habib Rahman Sanagi	Afghanistan	BBA	EMEA College, Kondotty	2010-2013
48.	Ms. Caroline Humbi Kitheka	Kenya	B. Com	Farook College, Calicut	2010-2013
49.	Mr. Griffith Oduor Ombogo	Kenya	B. Com	Farook College, Calicut	2010-2013
50.	Mr. Albert Asiyo Ocheing	Kenya	B. Sc. Computer Science	Farook College, Calicut	2010-2013
51.	Mr. Oteino Evans Palme Okinyi	Kenya	MBA	DCMS, University of Calicut	2010-2012
2011 Admission					
1.	Mr. Dinesh. K.C	Nepal	MBA	DCMS, University of Calicut	2011-2013
2.	Mr. Mathuki Shadrack Mandela	Kenya	B. Com	Farook College, Calicut	2011-2014
3.	Mr. Hikmatullah Jabarkhail	Afghanistan	BBA	EMEA College, Kondotty	2011-2014
4.	Mr. Mujtaba	Afghanistan	BBA	EMEA College, Kondotty	2011-2014
5.	Mr. Mohammad Tariq	Afghanistan	B. Com	EMEA College, Kondotty	2011-2014
6.	Mr. Khaja Fardeen	Afghanistan	B. Com	EMEA College, Kondotty	2011-2014

7.	Mr. Faizullah Rahimi	Afghanistan	BBA	EMEA College, Kondotty	2011-2014
8.	Mr. Mohammad Saleem Rajabi	Afghanistan	BBA	EMEA College, Kondotty	2011-2014
9.	Mr. Mohammad Salim Karigar	Afghanistan	BBA	EMEA College, Kondotty	2011-2014
10.	Mr. Habibullah Hassani	Afghanistan	BBA	EMEA College, Kondotty	2011-2014
11.	Mr. Hamed Ahmad Afsali	Afghanistan	B. Sc. Computer Science	St. Thomas College, Thrissur	2011-2014
12.	Mr. Said Rahman Rahman	Afghanistan	MBA	DCMS, University of Calicut	2011-2013
13.	Mr. Elvis Crispine Odhiamoo Oloo	Kenya	M. Com	DCMS, University of Calicut	2011-2013
14.	Mr. Mohammad Haroon Dehgan	Afghanistan	MBA	DCMS, University of Calicut	2011-2013
15.	Mr. Jamshid Nikzad	Afghanistan	MBA	DCMS, University of Calicut	2011-2013
16.	Mr. Sher Zada	Afghanistan	M. Sc. Computer Science	CCSIT, University of Calicut	2011-2013
2012 Admission					
1.	Ms. Uwamahoro Eugenie	Rwanda	MBA	DCMS, University of Calicut	2012-2014
2.	Mr. Khawaja Mohammad Iqbal	Afghanistan	MBA	DCMS, University of Calicut	2012-2014
3.	Mr. Sayed Hamid	Afghanistan	MBA	DCMS, University of Calicut	2012-2014
4.	Mr. Abdul Hakim	Afghanistan	BBA	Farook College, Calicut	2012-2015
5.	Mr. Mahmood Ahmad	Afghanistan	BBA	Farook College, Calicut	2012-2015
6.	Mr. Matin	Afghanistan	BBA	Farook College, Calicut	2012-2015
7.	Mr. Abdul Satar	Afghanistan	BA. Economics	Malabar Christian College, Calicut	2012-2015
8.	Mr. Ali Reza	Afghanistan	BBA	Farook College, Calicut	2012-2015
9.	Mr. M. Nazer	Afghanistan	BA. Economics	Malabar Christian College, Calicut	2012-2015
10.	Mr. Faridullah	Afghanistan	BBA	Farook College, Calicut	2012-2015

11.	Mr. Mohammad Shafi	Afghanistan	B. Com	Farook College, Calicut	2012-2015
12.	Mr. Rahmatullah Hamidi	Afghanistan	BA. Economics	Malabar Christian College, Calicut	2012-2015
13.	Mr. Abdul Ghafar Ahmadi	Afghanistan	BA. Economics	Malabar Christian College, Calicut	2012-2015
14.	Mr. Ghulam Ali Rasuli	Afghanistan	B. Sc. Computer Science	Farook College, Calicut	2012-2015
15.	Mr. Seyed Asadullah Hossainy	Afghanistan	BBA	St. Joseph's College, Devagiri, Calicut	2012-2015
16.	Mr. Abdul Mashooq	Afghanistan	BBA	St. Joseph's College, Devagiri, Calicut	2012-2015
17.	Mr. Mohammad Tahir Zaki	Afghanistan	MBA	DCMS, University of Calicut	2012-2014
18.	Mr. Mehmet Kurtulus	Turkey	MA. Islamic Studies	SAFI Institute, Vazhayoor	2012-2014
2013 Admission					
1.	Mr. Naser	Afghanistan	BBA	Farook College, Calicut	2013-2016
2.	Ms. Claudia Luki Mathuki	Kenya	BBA	Farook College, Calicut	2013-2016
3.	Ms. Catherine Kavata Kyalo	Kenya	BBA	Farook College, Calicut	2013-2016
4.	Mr. Abdullah Akhonzada	Afghanistan	B. Sc. Computer Science	Farook College, Calicut	2013-2016
5.	Mr. Fardin Mohammadzai	Afghanistan	BBA	Farook College, Calicut	2013-2016
6.	Mr. Rohullah Merzayee	Afghanistan	BBA	Farook College, Calicut	2013-2016
7.	Mr. Samirudin Rasooli	Afghanistan	B. Sc. Computer Science	Farook College, Calicut	2013-2016
8.	Mr. Atiqullah	Afghanistan	B. Sc. Computer Science	Farook College, Calicut	2013-2016
9.	Mr. Shabir Ahmad	Afghanistan	B. Sc. Computer Science	Farook College, Calicut	2013-2016
10.	Mr. Lutfur Rahman Haqmal	Afghanistan	M. Sc. Computer Science	Dept. of Computer Science, University of Calicut	2013-2015
11.	Mr. Were William Kumo	Kenya	B. Com	Farook College, Calicut	2013-2016

12.	Mr. Nasim	Afghanistan	B. Sc. Computer Science	Farook College, Calicut	2013-2016
13.	Mr. Ochieng' Albert Asiyo	Kenya	M. Sc. Computer Science	Dept. of Computer Science, University of Calicut	2013-2015
14.	Mr. Shaheedullah Mubariz	Afghanistan	MBA	DCMS, University of Calicut	2013-2015
15.	Mr. Hassan Ameri	Afghanistan	MBA	DCMS, University of Calicut	2013-2015
16.	Mr. Sayed Habibullah	Afghanistan	MBA	DCMS, University of Calicut	2013-2015
17.	Mr. Ali Vafaiey	Afghanistan	BBA	Farook College, Calicut	2013-2016
18.	Mr. Mohammad Farhad	Afghanistan	BBA	Farook College, Calicut	2013-2016
19.	Mr. Mohammad Zarif Hassani	Afghanistan	M. Sc. Computer Science	Dept. of Computer Science, University of Calicut	2013-2015
20.	Mr. Bah Sadjuma	Liberia	B.A. Economics	St. Thomas College, Thrissur	2013-2016
21.	Mr. Sayon Alexander	Liberia	B.A. Economics	St. Thomas College, Thrissur	2013-2016
2014 Admission					
1.	Mr. Mohammad Fahim	Afghan	BBA	Farook College, Calicut.	2014-2017
2.	Mr. Mathuki Mandela Shadrack	Kenya	MBA	DCMS, University of Calicut	2014-2016
3.	Ms. Mini Narayanan	USA	Ph. D in Education	Dept. of Education, University of Calicut	2014-
4.	Mr. Mohammad Naser Ahmadzay	Afghan	B. Sc. Computer Science	Farook College, Calicut	2014-2017
5.	Mr. Farshad Rahmati	Afghan	BBA	Farook College, Calicut	2014-2017
6.	Mr. Abdul Samiea Azad	Afghan	BBA	Farook College, Calicut	2014-2017
7.	Mr. Abdul Karim Mohammadi	Afghan	B. Sc. Computer Science	Farook College, Calicut	2014-2017
8.	Mr. Hafizullah Hajizada	Afghan	B. Sc. Computer Science	Farook College, Calicut	2014-2017
9.	Ms. Alukhava Magdaline	Kenya	B. Sc. Computer Science	Farook College, Calicut	2014-2017

10.	Mr. Mohammad Sharif	Afghan	BBA	Farook College, Calicut	2014-2017
11.	Mr. Ghulam Hossain Farzam	Afghan	MBA	DCMS, University of Calicut	2014-2016
12.	Mr. Ahma Omid Shinwari	Afghan	MBA	DCMS, University of Calicut	2014-2016
13.	Mr. Mohammad Taher Zarghon	Afghan	MBA	DCMS, University of Calicut	2014-2016
14.	Mr. Hamid Ashanzada	Afghan	MBA	DCMS, University of Calicut	2014-2016
15.	Mr. Hashmatullah Mohammadi	Afghan	MBA	DCMS, University of Calicut	2014-2016
16.	Mr. Mohammad Aziz Azimi	Afghan	MBA	DCMS, University of Calicut	2014-2016
17.	Ms. Djaafari Hafsoita	Comoros	BA. English	Farook College, Calicut	2014-2017
18.	Ms. Savita Sanjeeta Kumari	Fiji	B. Com	Farook College, Calicut	2014-2017



ANNEXURE II

UNIVERSITY OF CALICUT (DOA/PAREEKSHA BHAVAN)

ACADEMIC CUM EXAMINATION CALENDAR 2015-16

Name of Examination	Issuance of admission notification	Commencement of online registration	Date of entrance exam, if applicable	Date of admission	Commencement of semester	Date of notification	Last date for submission of APC	Date of commencement of examinations	End of semester	Last date of uploading internal marks	Date of conclusion of exam (on or before)*1	Date of publication of result (30/60 clear working days after the end of the exams) *2
UG Courses without Entrance (Semester-CCSS) :- BA/BSc/BCom/BBA/BA Afsal UI Ulama /BSW/BTA/BMMC												
1	2	3	4	5	6	7	8	9	10	11	12	13
I Semester	01/04/15	16/04/15		26/06/15	29/06/15	17/09/15	02/11/15	12/11/15	17/11/15	11/12/15	12/12/15	29/02/16
II Semester					18/11/15	30/01/16	21/03/16	04/04/16	31/03/16	04/05/16	04/05/16	18/07/16
III Semester					01/06/15	01/08/15	05/10/15	15/10/15	30/10/15	16/11/15	16/11/15	27/01/16
IV Semester					02/11/15	30/01/16	08/03/16	01/04/16	31/03/16	02/05/16	02/05/16	18/07/16
V Semester					01/06/15	01/08/15	13/10/15	21/10/15	30/11/15	23/11/15	23/11/15	30/01/16
VI Semester					02/11/15	30/01/16	24/03/16	18/03/16	31/03/16	18/04/16	18/04/16	26/05/16
UG Courses with Entrance (Semester-CCSS):- BEd (Special for Hearing Impaired) /BPEd(Only 2 Semesters)/ BSc Microbiology/ Medical Bio-Chemistry/ Medical Lab Technology /Costume & Fashion Designing												
I Semester	02/05/15	04/05/15	01-06/06/15	26/06/15	29/06/15	17/09/15	26/10/15	06/11/15	17/11/15	06/12/15	06/12/15	23/02/16
II Semester					18/11/15	30/01/16	21/03/16	04/04/16	31/03/16	04/05/15	04/05/16	18/07/16(*)
III Semester					01/06/15	01/08/15	05/10/15	15/10/15	30/10/15	15/11/15	15/11/15	28/01/16
IV Semester					02/11/15	30/01/16	08/03/16	01/04/16	31/03/16	02/05/16	02/05/16	18/07/16
V Semester					01/06/15	01/08/15	13/10/15	23/10/15	30/10/15	23/11/15	23/11/15	30/01/16
VI Semester					02/11/15	30/01/16	24/03/16	18/03/16	31/03/16	18/04/16	18/04/16	26/05/16
UG Courses with Entrance (Semester-CCSS REGULAR):- BHM / BPE 4 year												
I YEAR	02/05/15	04/05/15	01- 7/06/15	29/06/15	29/06/15	17/09/15	26/10/15	06/11/15	17/11/15	05/12/15	05/12/15	23/02/16
II YEAR					18/11/15	01/02/16	21/03/16	31/03/16	31/03/16	30/04/16	30/04/16	16/07/16
III YEAR					01/06/15	01/08/15	05/10/15	15/10/15	30/10/15	15/11/15	15/11/15	28/01/16
IV YEAR					02/11/15	01/02/16	19/03/16	30/03/16	31/03/16	30/04/16	30/04/16	08/06/16

PG COURSES WITH OUT ENTRANCE:- MA/MSc/MCom/MLJSc/MTA (Master of Tourism Administration)/ PG Diploma Courses (Only 2 Semesters) (Semester-CUCSS and CCSS Pattern)												
1	2	3	4	5	6	7	8	9	10	11	12	13
I Semester	16/06/15	17/06/15		06/08/15	10/08/15	09/11/15	28/12/16	05/01/16	08/01/16	05/02/16	05/02/16	29/04/16
II Semester					11/01/16	12/05/16	02/07/16	12/07/16	16/07/16	12/08/16	12/08/16	04/11/16 *
III Semester					07/09/15	03/12/15	08/01/16	18/01/16	27/01/16	18/02/16	18/02/16	10/05/16
IV Semester					28/01/16	03/06/16	08/07/16	18/07/16	04/08/16	18/08/16	18/08/16	04/10/16
*For II Semester(Final): 31/03/16												
PG COURSES WITH ENTRANCE:-M.Sc Food Science and Technology/M.Sc applied Psychology/M.Sc radiation Physics/M.Sc Clinical Psychology/ Computer Science/Health & Yoga/General Bio-Technology/M.Sc Medical Bio Chemistry/Medical Lab Technology/Medical Microbiology/ M.A Folklore /MHA/MCJ(Semester - CUCSS and CCSS Pattern)/MEd												
I Semester	15/05/15	16/05/15		06/08/15	10/08/15	09/11/15	28/12/16	05/01/16	08/01/16	05/02/16	05/02/16	29/04/16
II Semester					11/01/16	12/05/16	02/07/16	12/07/16	16/07/16	12/08/16	12/08/16	04/11/16 *
III Semester					07/09/15	03/12/15	08/01/16	18/01/16	27/01/16	18/02/16	18/02/16	10/05/16
IV Semester					28/01/16	03/06/16	08/07/16	18/07/16	04/08/16	18/08/16	18/08/16	04/10/16
MCA												
I Semester	15/05/15	16/05/15		06/08/15	10/08/15	09/11/15	28/12/16	05/01/16	08/01/16	05/02/16	05/02/16	29/04/16
II Semester					11/01/16	12/05/16	02/07/16	12/07/16	16/07/16	12/08/16	12/08/16	04/11/16
III Semester					07/09/15	03/12/15	18/01/16	28/01/16	27/01/16	27/02/16	29/02/16	21/05/16
IV Semester					28/01/16	03/06/16	18/07/16	28/07/16	04/08/16	28/08/16	29/08/16	17/11/16
V Semester					07/09/15	03/12/15	18/01/16	28/01/16	27/01/16	28/02/16	28/02/16	21/05/16
VI Semester					28/01/16	03/06/16	18/07/16	28/07/16	04/08/16	28/08/16	28/08/16	12/10/16
MBA												
I Semester	15/05/15	16/05/15	15-21/06/15	06/08/15	10/08/15	09/11/15	28/12/15	05/01/16	08/01/16	05/02/16	05/02/16	29/04/16
II Semester					11/01/16	12/05/16	02/07/16	12/07/16	16/07/16	12/08/16	12/08/16	04/11/16
III Semester					07/09/15	03/12/15	18/01/16	28/01/16	27/01/16	28/02/16	28/02/16	21/05/16
IV Semester					28/01/16	03/06/16	18/07/16	28/07/16	04/08/16	28/08/16	28/08/16	12/10/16
BPEd												
I Semester	15/05/15	16/05/15	1-7/06/15	06/08/15	10/08/15	09/11/15	28/12/15	05/01/16	08/01/16	05/02/16	05/02/16	29/04/16
II Semester					11/01/16	12/05/16	02/07/16	12/07/16	16/07/16	12/08/16	12/08/16	31/03/16

Name of Examination	Issuance of admission notification	Commencement of online registration	Date of entrance exam, if applicable	Date of admission	Comment of semester	Date of notification	Last date for submission of APC	Date of commencement of examinations	End of semester	Last date of uploading international marks	Date of conclusion of exam (on or before)*1	Date of publication of result (30/60 clear working days after the end of the exams)*2
I	2	3	4	5	6	7	8	9	10	11	12	13
M.P.Ed												
I Semester	15/05/15	16/05/15	15/06/15	06/08/15	10/08/15	09/11/15	28/12/15	05/01/16	08/01/16	05/02/16	05/02/16	29/04/16
II Semester					11/01/16	12/05/16	02/07/16	12/07/16	16/07/16	12/08/16	12/08/16	04/11/16
III Semester					07/09/15	03/12/15	08/01/16	18/01/16	27/01/16	18/02/16	18/02/16	25/04/16
IV Semester					28/01/16	03/06/16	08/07/16	18/07/16	04/08/16	18/08/16	18/08/16	04/10/16
I Semester	07.08.15			30.09.15	01.10.15	02/02/16	14/03/16	24/03/16	31.03.16	25/04/16	25/04/16	13/07/16
II Semester					06.04.15	04/08/15	15/09/15	25/09/15	30.09.15	26/10/15	26/10/15	02/12/15
Med												
I Semester	02/07/15	01/12/15			01/12/15	19/05/15	18/06/15	26/06/15	04/07/15	28/07/15	28/07/15	18/10/15
II Semester	Admissions are being done by the State Govt. Hence the dates scheduled based on the dates in the previous year's schedule											
LLB 3 Year												
I Semester	20/07/15	21/07/15			20/10/15	17/12/15	22/01/16	02/02/16	01/02/16	02/03/16	02/03/16	24/05/16
II Semester	Admissions are being done by the State Govt. Hence the dates Scheduled based on the dates in the previous year's schedule											
III Semester					03/08/15	17/11/15	16/01/16	25/01/16	01/02/16	26/02/16	26/02/16	16/05/16
IV Semester					02/02/16	14/06/16	16/07/16	26/07/16	02/08/16	26/08/16	26/08/16	14/11/16
V Semester					03/08/15	19/12/15	04/01/16	14/01/16	01/02/16	13/02/16	15/02/16	06/05/16
VI Semester					02/02/16	14/06/16	08/07/16	19/07/16	02/08/16	19/08/16	19/08/16	05/10/16
LLB 5 Year												
I Semester	02/06/15	04/06/15			20/10/15	17/12/15	06/02/16	16/02/16	01/02/16	16/03/16	16/03/16	09/06/16
II Semester	Admissions are being done by the State Govt. Hence the dates Scheduled based on the dates in the previous year's schedule											
III Semester					03/08/15	17/12/15	29/01/16	09/02/16	01/02/16	09/03/16	09/03/16	31/05/16
IV Semester					02/02/16	14/06/16	28/07/16	08/08/16	02/08/16	08/09/16	08/09/16	22/11/16
V Semester					03/08/15	17/12/15	22/01/16	02/02/16	01/02/16	02/03/16	02/03/16	24/05/16
VI Semester					02/02/16	14/06/16	22/07/16	02/08/16	02/08/16	02/09/16	02/09/16	17/11/16
VII Semester					03/08/15	17/12/15	16/01/16	26/01/16	01/02/16	26/02/16	26/02/16	16/05/16
VIII Semester					02/02/16	14/06/16	16/07/16	26/07/16	02/08/16	26/08/16	26/08/16	14/11/16
IX Semester					03/08/15	17/12/15	04/01/16	14/01/16	01/02/16	14/02/16	14/02/16	06/05/16
X Semester					02/02/16	14/06/16	09/07/16	19/07/16	02/08/16	19/08/16	19/08/16	05/10/16

1	2	3	4	5	6	7	8	9	10	11	12	13
LJM												
I Semester	04/12/2014	05/12/2014			12/03/15	02/07/15	10/08/15	20/08/15	01/09/15	19/09/15	19/09/15	06/12/15
II Semester	Admissions are being done by the State Govt.											
III Semester	Hence the dates scheduled based on the dates											
IV Semester	in the previous year's schedule											
M. Tech												
I Semester	29/05/15	09/06/15			01/09/15	02/11/15	24/12/15	05/01/16	07/01/16	05/02/16	05/02/16	22/04/16
II Semester	Admissions are being done by the State Govt.											
III Semester	Hence the dates scheduled based on the dates											
IV Semester	in the previous year's schedule											
MPhil												
I Semester	01/12/2014	01/12/2014	16/12/14		01/01/15	04/05/15	12/06/15	23/06/15	30/06/15	23/07/15	23/07/15	06/10/15
II Semester					01/07/15	02/11/15	23/12/15	05/01/16	31/12/15	05/02/16	05/02/16	17/03/16
B. Tech												
I & II Semester	24/09/2014		20/04/15		03/08/15	02/02/16	15/03/16	25/03/16	31/03/16	25/04/16	25/04/16	11/07/16
III Semester	Admissions are being done by the State Govt.											
IV Semester	Hence the dates Scheduled based on the dates											
V Semester	in the previous year's schedule											
VI Semester					15/06/15	03/09/15	23/10/15	03/11/15	09/11/15	03/12/15	03/12/15	11/02/16
VII Semester					29/12/15	01/03/16	16/04/16	27/04/16	30/04/16	27/05/16	27/05/16	15/08/16
VIII Semester					15/06/15	26/08/15	21/10/15	02/11/15	09/11/15	02/12/15	02/12/15	20/02/16
VIII Semester					08/12/15	30/03/16	13/05/16	24/05/16	31/05/16	24/06/16	24/06/16	03/08/16

Name of Examination	Issuance of admission notification	Commencement of on line registration	Date of entrance exam if applicable
1	2	3	4
Ph.D	01/12/2014	01/12/2014	17/12/2014

COURSES TO WHICH NO CLASSES ARE BEING CONDUCTED-(SUPPLEMENTARY EXAMINATIONS ONLY)

Name of Examination	Date of Notification	Date of Commencement of Examination	Date of conclusion of exam (on or before)*1	Date of publication of result (30/60 clear working days after the end of the exams) *2
MA/MSc Previous	06/01/16	03/05/16	03/06/16	23/08/16
MA/MSc Final	06/01/16	12/04/16	12/05/16	24/06/16
M.Com I & II Semester	06/01/16	03/05/16	03/06/16	23/08/16
M.Com III & IV Semester	06/01/16	12/04/16	12/05/16	23/06/16
Final year BA/ B.Sc/ B.Com / BBA/BCA	06/01/16	20/04/16	20/05/16	01/07/16
I & II year BA/ B.Sc/ B.Com / BBA/BCA	06/01/16	03/05/16	03/06/16	23/08/16
Afsal-Ul-Ulama Preliminary I year	06/01/16	03/05/16	03/06/16	23/08/16
Afsal-Ul-Ulama Preliminary II year	06/01/16	20/04/16	20/05/16	01/07/16
Adi-bi Fazil Preliminary	06/01/16	03/05/16	03/06/16	23/08/16
Adi-bi Fazil Final	06/01/16	20/04/16	20/05/16	01/07/16

*1 For programmes with Practical, Viva Voce, Project etc. exams may go beyond the stipulated date.

*2 For courses with Practical, Viva Voce, Project etc publication of results may extend beyond the stipulated date.

MBBS							
	Will be notified on request from the supplementary candidates						
BHMS							
	Will be notified on request from the supplementary candidates						
B.A.M.S							
	Will be notified on request from the supplementary candidates						
B.D.S.							
	Will be notified on request from the supplementary candidates						
B.Pharm							
	Will be notified on request from the supplementary candidates						
BPT							
	Will be notified on request from the supplementary candidates						

Details of Election and other Cultural Activities

Sl No	Activities	Schedule
1	College Union Elections	July Last week/August first week
2	University Union Elections	27-06-15
3	Zonal Festivals	January 3 rd & 4 th week
4	Inter Zone	February 3 rd and 4 th week
5	International Students Festival	November 2 nd week
6	Anti ragging campaign	September 1 st week

Date of issue of Provisional Certificate

: within 5 clear working days for Alpha Numerical (Digital) and 20 clear working days for Numerical register numbers after publication of result.

Date of issue of Provisional Certificate and consolidated mark list of B.Tech

: within 20 clear working days after publication of result

Date of issue of Degree Certificate issued within

: Meeting of the Senate within 15 days of publication of result. Degree certificate will be issued within 15 days after awarding the degree by the Senate.

Sd/-

DIRECTOR DOA

Sd/-

CONTROLLER OF EXAMINATIONS

Sd/-

REGISTRAR



ANNEXURE – III
Seminars/Workshops attended by Faculty Members

Faculty	Title	Organizer & Venue	International/ National/Local	Period
Prof. N.A.M. Abdul Kader, Dept. of Arabic	‘Cultural Transaction Through Translation experience in Arabic Literature with Special Focus on Kerala’	UGC Sponsored, at EMS Seminar Complex, University of Calicut	National	17 th & 18 th December 2014
	‘Exchange of Literature between Keralites and Arab: An assessment of Past and Present’	Dept. of Arabic, Govt. Arts & Science College, Calicut	National	4 th &5 th November 2014
	‘Modern Arabic Literature on Spiritual Science’	Annahda Arabic Magazine, EMS Seminar Complex, Calicut University	International	30 th August 2014
	‘Contemporary Films on Arabs and Related Culture’	Dept. of Arabic, University of Calicut at	International	12 th &13 th August 2014
		EMS Seminar Complex, University of Calicut		
	Malayalam, Arabi International Literary Festival	Kerala Sahitya Academic, Thrissur – ‘Tuhfadul Mujahideen’ Multilingual Volume Release	International	8 th &9 th August 2014
	National Mission for Manuscripts	New Delhi, Ramanthali Maqam Auditorium	National	7 th August 2014
	Contribution of ChistiSufis	Osmania University, Hyderabad	International	21 st &22 nd June 2014
	Inspire: Teacher Orientation Workshop	Chair for Islamic & Research, University of Calicut	National	11 th &12 th May 2014
	Workshop on Arabic Calligraphy	Dept. of Arabic, Farook College, Calicut	National	26 th &27 th February 2014
	‘Arabic Language & Literature in Kerala: The Contemporary Leaps’	Dept. of Arabic Calicut University, Tagore Nikethan	National	5 th March 2014

Indo Arabic Literature	Dept. of Arabic, MES Mamapd College	National	19 th &20 th February 2014
Humour in Arabic Literature	Dept. of Arabic, Persian & Urdu, University of Madras, Chennai	National	11 th &12 th February 2014
Kerala School Kalolsavan 2014 – Arabic Seminar	Directorate of Public Instructions, Govt. of Kerala, Palakkad	State	22 nd January 2014
‘Khayal’ International Arabic Day Celebration	Dept. of ArabicFarook College, Kozhikode	National	17 th December 2014
Inaugural Address on ‘Arabic Heritage of Kerala’ in Arabic Seminar	Jamia Ashariyya Annual Conference	National	25 th December 2014
Presidential Address in the inaugural session of UGC Sponsored National Seminar on ‘Arabic Translation and Influence in Malayalam’	University of Calicut	National	17 th December 2014
Presidential Address in the National Seminar ‘Translation experience in Arabi Malayalam’	Govt. Arts Science College, Kozhikode	National	24 th November 2014
Presidential Address and paper presentation on ‘Sufisum Versus Imperialism’	Annahada Arabic Magazine at Calicut University	International	30 th August 2014
Presidential address in the seminar on ‘Contemporary Films and Arab Muslim Representations’	University of Calicut	International	13 th August 2014
Felicitation address on ‘Tuhfatul Mujahideen Multilingual Volume: Editorial Experience at Releasing conference of the Volume	National Mission Manuscripts, New Delhi, Ramanthali	National	07 th August 2014
Paper Presentation on ‘Sufism in Confrontation with imperialism in Malabar’ in the seminar	Osmania University, Hyderabad	international	22 nd June 2014
Presidential address in the inaugural session of teacher orientation workshop’ Updation of Skills, information and Value	University of Calicut	National	11 th May 2014

Keynote address in the Anniversary Meet	MASM Higher Secondary School, Venmnod, Trichur	National	27 th March 2014
Presidential address in the inaugural session on 'Contemporary leaps in Arabic language and Literature in Kerala'	University of Calicut	National	5 th March 2014
Felicitation address in the inaugural conference of Arabic Music Academy	Calicut Tower, Kozhikode	National	2 nd March 2014
Moderator address on 'Arabic Script Variations and Calligraphy'	Workshop at Farook College	National	26 th February 2014
Inaugural address in Heritage conference at Koduvally on 'Kerala Muslim Heritage	Koduvally	National	9 th February 2014
Felicitation address in the inaugural session of the Anniversary conference	Darul Huda Islamic University	National	21 st February 2014
Inaugural address of the inaugural session of UGC sponsored seminar 'Indo Arabic Literature and paper presentation	MES Mamapd College	National	19 th February 2014
Paper presentation on 'Humour in Egyptian Literature'	Madras University, Chennai	National	11 th February 2014
Theme Presentation in Arabic Seminar in Connection with Kerala State School Kalosavam	Palakkad	State	22 nd January 2014
Presidential address and paper presentation on Arabic Heritage of Kerala: The Anti colonial approach'	Kerala Mission Heritage of Calicut	National 2014	23 rd December
Presidential address in the national World Arabic Language Day conference	University of Calicut	National	17 th December 2014
Keynote address in 'Khayal' World Arabic Language Day Celebration	Farook College, Calicut	National	17 th December 2014

	Presidential address on 'Language Literature and History' in the national seminar on 'Kerala Historiography, Changing Paradigms'	University of Calicut	National	4 th December 2014
Dr. Moideenkutty A.B., Dept. of Arabic	Linguistic Studies a Humanitarian Approach	P.T.M. Govt. College, Perinthalmanna	National	28 th and 29 th October 2014
	Development of Qur'anic Studies	Jamia Salafiya, Pulikkal and Dept. of Arabic, University of Calicut	National	11 th and 12 th October 2014
	International Malayalam Arabic Literary Festival	Kerala Sahitiya Academy	International	8 th & 9 th August 2014
	Reflective Practices in Higher Education	UGC Academic Staff College, Calicut University	National September	24 th 2014
	'Cultural Transaction Through Translation experience in Arabic Literature with Special Focus on Kerala'	UGC Sponsored, at EMS Seminar Complex, University of Calicut	National	17 th & 18 th December 2014
	'Exchange of Literature between Keralites and Arab: An assessment of Past and Present'	Dept. of Arabic, Govt. Arts & Science College, Calicut	National	2 nd & 5 th November 2014
	'Contemporary Films on Arabs and Related Culture'	Dept. of Arabic, University of Calicut at EMS Seminar Complex, University of Calicut	International	12 th & 13 th August 2014
	Inspire: Teacher Orientation Workshop	Chair for Islamic & Research, University of Calicut	National	11 th & 12 th May 2014
	'Arabic Language & Literature in Kerala: The Contemporary Leaps'	Dept. of Arabic Calicut University, Tagore Nikethan	National	5 th March 2014
	Humour in Arabic Literature	Dept. of Arabic, Persian & Urdu, University of Madras, Chennai	National	11 th & 12 th February 2014
Translation from Malayalam to Arabic – A Survey of Contribution of Kerala	Kerala Muslim Heritage Committee	National		
'Humour in Arabic Literature in search of its roots'	Madras University	National		

	A comparative study of translations from Malayalam to Arabic	MAMO College, Mukkam	National	
	Reading Abul Hasan al Nadvi in Malayalam	MES Mampad College	National	
	‘Educational Values an Islamic Perspectives’	The Chair for Islamic Studies and Research, University of Calicut	National	25 th to 28 th May 2013
Dr. Abdul Majeed. E., Dept of Arabic	An Analytic Study of Kerala Arabic Poetry	Dept of Arabic Sullamussalam Science College Areacode	National	
	Ali Miyan against intellectual War	Dept of Arabic, MES Mampad College	National	19 th & 20 th February 2014
	Malayalam Arabic Fiction Translation; A practical Approach	Dept of Arabic Govt Brennen College, Thalassery	National	7 th & 8 th January 2014
	The impact of Arabic Language on Kerala Culture	Darul Uloom Arabic College Vazakkad	National	27 th & 28 th November 2014
	Arabic Literature between Originality and modernity	Dept of Arabic PSMO College Tirurangadi	National	10 th & 11 th September 2013
Gopinathan C., Dept. of Biotechnology	Research paper presented International conference on Microbes and industrial biotechnology	Bielefeld, Germany	International	21 st to 24 th November 2010
	Research paper presented at the First Biotechnology World congress	Dubai, UAE,	International	4 th to 16 th Feb 2012.
	Research paper presented at the Third World congress on Biotechnology	Hyderabad	International	13 th to 15 th September 2012
	Research paper presented at the International conference on Microbial biotech for sustainable development	Punjab University, Chandigarh	International	3 rd to 6 th November 2011
	Research paper presented in the national conference on Recent trends in alternate energy (RTAE2011)	National institute of technology, Calicut.	National	9 th to 10 th June 2011

	Research paper presented at the National symposium on emerging trends in Biotechnology	Cochin University of science and technology,	National	1 st and 2 nd September 2011
	Research paper presented at the National symposium on emerging trends in Biotechnology	Cochin University of science and technology	National	12 th and 13 th December 2012.
	Research paper presented at the National seminar on Microbiology and Microbial technology	St. Theresas College, Ernakulam, Kerala	National	7 th and 8 th October 2013.
	Presented a paper on the Potential of India for the production of bio-fuel	Majlis arts and scienc college, Perumannur, near Valancherry	Local	19 th January 2015.
	Delivered an invited talk on Waste management at	MES College, Marampally, Aluva,	Local	7 th Feb 2013.
	Delivered two invited lectures and conducted a practical training session on Biogas technology in the DBT sponsored short term training course	Kumaraguru College of technology, Coimbatore	Local	26 th April 2012
	Delivered an invited lecture on waste to wealth - possibilities and limitations	Govt Victoria College , Palghat.	Local	23 rd January 2013
	Industrial Biotechnology Scope and future at he Seminar on Bioperspectives	Farook College, Calicut	local	23 rd February 2011.
Dr Elyas K K, Dept. of Biotechnology	Recent developments in Immunology and Immunological Techniques	Academic Staff College, University of Calicut.	local	9 th March 2011
	Tools and Techniques in Molecular Biology and Bioinformatics.	Department of Biotechnology, Cochin University of Science and Technology.	local	14 th February 2011
	25 Years of Bioinformatics in India & XXII Annual BTISNet Coordinators.	Centre for Bioinformatics, Pondichery University.	National	2 nd April 2011
	Protein Purification.	Academic Staff College, University of Kerala UGC	local	7 th June 2011

Dr.P.R. Manish Kumar, Dept. of Biotechnology	DNA Repair Lecture I &II	Department of Molecular Biology, Neeleswaram, Kannur Univeristy	local	3 rd and 4 th January 2011
	Micro RNAs: Advances in DNA Science	Maharaja’s College, Ernakulam.	local	7 th January 2011
	Cell Suicide/ Apoptosis	Department of Molecular Biology, Neeleswaram, Kannur Univeristy	local	13 th January 2011
	Lecture on DNA Science: refresher course in environmental studies.	Academic Staff College, University of Calicut.	National	3 rd January 2011
	Invited lecture on Current trends in Biological Science Research National Workshop for Research Scholars.	Academic Staff College, University of Calicut	National	3 rd January 2011
	Invited lecture on Bionanotechnology: principles and application. Lecture 1	Academic Staff College, University of Calicut	National	24 th November 2011
	Invited lecture on Bionanotechnology: principles and application. Lecture 11	Academic Staff College, University of Calicut	National	28 th November 2011
	Invite to deliver lecture on ‘Social impact of Genetic Engineering & recent trends’	Kannur University, Mangattuparamba	Local	14 th December 2011
	Talks on different Biotech related topics	At different institution	Local and national	Different period 10 presents / Year
Dr.Thara K.M., Dept of Biotechnology	Lupeol and epicatechin present in the bark of <i>Alstonia scholaris</i> effects mecA gene of drug resistant Methicillin resistant <i>Staphylococcus aureus</i>	Paper presentation (Oral) in Kerala Science Congress -January 2014. 26 th Kerala Science congress abstracts	State	January 2011
	Inhibitory and synergistic effect of <i>Tinospora cordifolia</i> extracts on clinical and standard strains of microorganisms and its biochemical analysis.	27KSC0363 , Alappuzha	State	January 2015
	Human embryonic stem cells applications and limitations	International seminar on stem cells, cancer: Proliferation and apoptosis, JNU, New Delhi.	International	November 2015

	Identification of inducing factors and the molecular mechanism involved in stem cell proliferation and differentiation:	International seminar on stem cells, cancer, Proliferation and apoptosis - Haffkine, Institute, Mumbai.	International	October 2014
	Stem cell regeneration mechanism	Poster presentation: International seminar on mouse embryology	International	March 2013
	Embryonic stem cells proliferation factors.	International symposium on 'Mechanical manipulations at the level of cell and beyond' NCBS, IISc, Bangalore	International	April 2013
	Embryonic stem cells identification factors	International conference on stem cells, apoptosis and cancer. Ram Manohar Lohya Hospital, New Delhi.	International	October 2012
	Stem cell differentiation and identification	Invited talk at -Markaz college of Science, Malappuram District. Kerala	College	November 2010
Dr. P. Manimohan, Dept. of Botany	“Providing the Scientific Basis for Fungal Conservation”, A India-UK scientific networking workshop funded by DST, Govt. of India and Royal Society UK, the Kerala Forest Research Institute, Peechi	KFRI, Peechi	International	21 st to 23 rd November 2011
Dr. M. Sabu, Dept. of Botany	Potential Ornamental gingers: Domestication, development of Agro techniques and Popularization.	4 th Global Botanic gardens Congress, Dublin Botanic garden, Dublin, Ireland.	International	13 th to 18 th June 2010
	Plenary speaker	Pune University, Pune	National seminar on Biodiversity conservation	11 th to 13 th March 2011
	Chairperson	IMMT, Bhubaneswar	National Seminar on Biodiversity Conservation and Climate Change.	2 nd to 4 th December 2011

Taxonomic Revisions – Need of the hour.	Sant Gadge Baba Amaravathi University, Amravathi	National seminar on Eco Diversity and its management	29 th February 2012
Potential Ornamental gingers of India	Sree Narayana College, Punalur, Kollam	National Seminar on Recent trends and Future Prospects of Biodiversity & Conservation	15 th March 2012
Taxonomy of wild Indian Musaceae	Brisbane, Australia	29 th International Horticulture Congress	17 th to 22 nd August 2014
Expert member	Institute of Ayurveda and Integrative Medicine, Bangaluru	National Workshop on evolving long term strategy for threat assessment and monitoring conservation status of medicinal plants in India	14 th & 15 th June 2012
Zingiberaceae – Treasure house of fascinating plants of Medicinal and Floricultural wealth	School of Biosciences, Mahatma Gandhi University, Kottayam, Kerala.	International Plants Science Day Celebrations'	18 th May 2013
Medicinal gingers: Conservation and Uses	IIHR, Bangalore	National seminar on Conservation of Medicinal plants	June 2013
Diversity of Gingers	Academic Staff College, Bharathiar University, Trichy	Refresher course for College teachers	15 th June 2013
Invited Talk	Department of Botany, M.S. University, Baroda	College level	14 th February 2014
Invited Talk	Department of Botany, St. Xavires College, Mumbai	College level	14 th February 2014

	Plenary Lecture	St. Thomas College, Thrissur	National Seminar	5 th March 2014
Dr Sailas Benjamin, Dept. of Botany	Microbial process for the remediation of Di(2-ethyl hexyl)phthalate.	JSPS Alumni Seminar	International	2014
	Microbial process for the remediation of Di(2-ethyl hexyl)phthalate.	ICRM, IIUCNN, MG university	International	2014
	Microbial remediation of Di(2-ethyl hexyl) phthalate in plastics.	International Society of waste management, Air and water, Hydrebad.	International	2014
	SPSS for Research Scholars	Workshop, PSMO College, Tirurangadi.	National	2014
	Strategies for Sustenance of quality in higher education IQAC.	Workshop, Providence College, Kozhikode.	National	2013
	Omega fatty acids as functional food	Health, food & agro- biodiversity–changing paradigms (ANNAM), Kozhikode	National	2010
Dr Santhosh Nampy, Dept. of Botany	Preparation of papers in Systematics	Govt. Victoria College, Palakkad	National	11 th November 2014
	Wild and exotic Pteridophytes of SouthIndia	Govt. Arts & Science College, Kozhikode	National	14 th November 2014
Dr Jos T. Puthur, Dept. of Botany	National Seminar on “Innovative Approaches in Plant Sciences”	MES Asmabi College, Vemballur, Thrissur, Kerala,	National	18 th & 19 th September 2014
Dr Harilal C.C., Dept. of Botany	Issues in water management	DSTE, Puducherry sponsored seminar, Dept of Botany, MGGAC, Mahe, U.T. of Puducherry	Local	28 th January 2010
	Biodiversity conservation – prospects and constraints	National seminar (UGC) on Biodiversity and conservation of nature, organized by the Department of Botany, St. Joseph’s College, Irinjalakuda	National	23 rd to 24 th August 2011

	Green Technologies: scope for a sustainable future	UGC sponsored seminar on “Green Chemistry – The ultimate tool for pollution control”, organized by the Department of Chemistry, Assumption College, Changanacherry	National	14 th and 15 th February 2012
	Plant resource utilization	National Seminar on Emerging Trends in Plant Sciences (sponsored by Directorate of Collegiate Education, Government of Kerala) and organized by the Department of Botany, Govt Brennen College, Thalassery	National	7 th and 8 th February, 2012
	Urbanization and environmental conservation	National seminar on “Urbanization trends and economic development” conducted by department of economics, Govt. college, Madappally	National	1 st March 2012
	Sacred groves and water management	DSTE sponsored seminar on “Sacred Groves Conservation and Management” organized by P.G. Dept. of Plant Science, MGGAC, Mahe	Local	29 th March 2012
	Natural resources conservation	UGC sponsored national conference on Natural Resources management: A key to sustainability, organized by the Dept. of Botany, Assumption College, Changanacherry	National	5 th and 6 th December 2013
	Environmental Awareness	MoEF - NEAC activities organized jointly by Swadeshi Science Movement and Mother Teresa College of Teacher Education, Calicut	Local	24 th February 2014
Dr Yusuf A., Dept. of Botany	The politics of development in Kerala: Ecology	Govt. College, Malappuram	National	9 th and 10 th January 2014

Dr A.K. Pradeep Dept. of Botany	Biodiversity conservation with special emphasis on Angiosperms	Dept. of Botany, Govt. Brennen College, Thalasseri	Local	10 th and 11 th February 2015
	Recent Advances in Plant Systematics	Keral State Council for Science, Technology and Environment & Dept. of Botany, Govt. Arts & Science College, Kozhikode	National	21 st February 2014
	Environmental issues: Challenges and concerns of Calicut	Chair for Gandhian Studies and Research, University	National	26 th and 27 th September 2014
	Biodiversity conservation- Trend and need	P.G. Department of Botany, St. Thomas College, Thrissur	National	7 th March 2014
	Herbarium and Taxonomy	Department of Botany, St. Mary's College, Sultan Bathery	Local	28 th March 2014
	National workshop on plant taxonomy of lower vascular plants	National Biodiversity Authority. Malabar Botanical Garden, Kozhikode	National	28 th October 2013
Dr. Abraham Joseph, Dept. of Chemistry	Mossbauer Spectroscopy	Academic Staff College, Kannur,	National	4 th January 2011
	Monitoring materials through Massbauer	ASC, Calicut.	Local	
	Bioinorganic Chemistry and alternative energy sources	St. Thomas H.S. School, Chittarickal, Kassaragod	Local	7 th October 2011
	NSS Concept and Philosophy	ASC, Kannur	Local	15 th Oct. 2011
	From soil to soil	Providence College, Calicut	Local	10 th Jan. 2011
Photosynthesis and alternative energy sources	Farook College, Calicut	Local	25 th Oct. 2011	
Dr. P. Mohamed Shafi, Dept. of Chemistry	Chemistry for Human welfare	Govt. Women's College Kannur		Local 18 th February 2011

Dr. M. T. Ramesan, Dept. of Chemistry		Department of Science and Technology sponsored national workshop on Green Chemistry (NWGC – 2011), Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu,	National	12 th to 17 th August 2011
	Spectroscopy for structure elucidation of Organic compounds	Vimala College, Thrissur	Local	16 th February 2011
	Plant based modern drugs	Ayurveda College, Kottakkal	Local	2 nd August 2011
Dr. P. Raveendran, Dept. of Chemistry	Invited Lecture on Green Chemistry	MES Asmabi College, Kodungallur	Local	12 th January 2011
	Nanomaterials	MES College, Valanchery	National	9 th Feb. 2011
	Green Nanotechnology	UGC sponsored national Seminar, SN College, Kollam	National	13 th October 2011
	Introduction to Nanoscience & Technology	National Seminar in Govt College, Malappuram	National	5 th Dec 2012
	The Future of Green Chemistry	National Seminar in Nirmalagiri College, Koothu Parambu	National	25 th September 2012
	Greening up the Chemistry Curriculum	National Seminar in KKTM College, Kodungallur	National	30 th Jan. 2012
	Introductory Lectures on Green Chemistry	Amrutha University, Coimbatore	Regional	4 th and 5 th April 2012
	Dr. V. M. Abdul Mujeeb, Dept. of Chemistry	Mairocyclic effect and oxygen transport	Nirmalagiri College, Kannur	Regional
“Solid state Chemistry”		PSMO College, Tirurangadi	Local	25 th June 2012
Solid State Foundations of Material Chemistry		UGC sponsored seminar on Future Perspectives in Chemistry and Technology held at PSMO College, Thirurangadi	Regional	15 th March 2013
Dr. Renuka N. K., Dept. of Chemistry	A green Remedy for energy crisis	Nirmalagiri College, Kuthuparamba	National	24 th and 25 th September 2012

	Biodiesel -A move towards alternative energy sources	UGC sponsored National seminar on “Environmental Conservation and sustainable living” at Devamatha College, Kuravilngad	National	11 th and 12 th September 2013
	Biodiesel: An alternative energy source	Pazhassi Raja N.S.S. College, Mattannur	Regional 2012	23 rd Feb.
	Fundamentals of Mesoporous materials	Dept of chemistry, Carmel College	National	14 th August 2014
	Mesoporous Materials – An Introduction	International Seminar organized by Alphonsa College, Pala	International	26 th to 28 th March 2014
	Mesoscale ordering in Porous Materials	Academic Staff College, Kannur University	Regional	17 th Sep. 2014
Dr. B. Vijaya-chandran Pillai, Dept. of Commerce	SPSS and data analysis I	Department of Commerce and Management Studies (DCMS)	National	March 2014
	SPSS and data analysis II	Department of Commerce and Management Studies (DCMS)	National	April 2014
Dr. B. Johnson, Dept. of Commerce	Research methodology	Department of Commerce and Management Studies (DCMS)	National	July 2015
Dr. M A Joseph Dept. of Commerce	Financial innovations.	Department of Commerce and Management Studies (DCMS)	National	March 2011
Dr.Lajish V.L. Dept. of Computer Science	Organized	Two day Workshop on Cloud Computing in collaboration with IIT Bhubaneswar	Regional	27 th and 28 th March 2015
	“Morphology Based Text Detection and Extraction from Malayalam News Videos”	5 th National Conference on Indian Language Computing (NCILC 2014), CUSAT,	National	17 th and 18 th January 2015
	“Improved Vowel Phoneme Classification over the Eigenvalues of the Reconstructed Phase Space using ANN”,	5 th National Conference on Indian Language Computing (NCILC2014), CUSAT	National	17 th and 18 th January 2015

“Edge Assisted Text Information Extraction from Scene Images”	Conference on Computational Intelligence, Practices and Technology (ConCIPT 2015), Farook College, Kozhikode	Regional 2015	1 st to 3 rd January
“Online Malayalam Hand written Character Recognition Based Directional Features and ANN”,	Conference on Computational Intelligence, Practices and Technology (ConCIPT 2015), Farook College, Kozhikode	Regional 2015	1 st to 3 rd January
Delivered an invited talk on “Machine Learning and Soft Computing” in the,	Conference on Computational Intelligence, Practices and Technology (ConCIPT 2015), Farook College, Kozhikode	National	3 rd January 2015
Delivered an invited talk	International Conference on “Innovations & Advances in Science, Engineering & Technology IC-IASET 2014” organized in association with BRNS & ISTEat Toc H Institute of Science & Technology, Arakkunnam	Inter- national	16 th July 2014
Engaged technical session on the topic “ Introduction to web hosting”	4th Refresher course on Research Methodology in Social Sciences at UGC-ASC, University of Calicut.	Local	17 th July 2014 in
Organized	Two day Workshop on Cyber Security - Under Erudite Lecture Programme (Sponsored by Kerala State Higher Education Council),	Regional	17 th and 18 th December 2013
“HMM Word Modeling and Short Query Based Directory Access for Automatic Phone Dialing in Malayalam”,	Indo-French Conference on Acoustics, Acoustics 2013, New Delhi.	Inter- national	10 th to 15 th November 2013
“Power Spectrum Analysis of Speech Signals (Focused on Chaotic Properties) for Speaker Identification”	Indo-French Conference on Acoustics, Acoustics 2013, , New Delhi.	Inter- national	10 th to 15 th November 2013
Delivered a technical talk in the Short Term Training Programme on Digital Image Processing	Govt. Engineering College, Thrissur	Regional	7 th October 2013
Delivered a lecture on “Recent Developments in informatics and e-Governance”	UGC Sponsored Two day National Seminar on Informatics and e-Commerce-	National	4 th July 2013

		Dimensions and Trends organized by the Dept . of Commerce & Centre of Research, PSMO College, Thirurnagadi		
Chaired a technical session in the National Conference on Emerging Trends in Computing (NCETIC13)	Organized by Department of Computer Science & Engineering, Govt. Engineering College, Thrissur,	National	14th June 2013.	
Organized	Two day workshop on Pronunciation Rules of Malayalam - e-Speak Development on in collaboration with SCERT, Tvm		22 nd & 23 rd April 2013	
Chaired a technical session	National Conference on Pattern Analysis & Applied Intelligence, organized by Dept. of Computer Science, Central University of Kerala		26 th & 27 th March 2013	
Engaged two session on the topic “ ICT for Education/ Internet Technology and Cyber Laws”	12th Orientation Programme, UGC-ASC, Kannur University.		15 th March 2013	
“Malayalam consonant vowel recognition based on Visual Geometric Features and ANN”	National Conference on Indian Language Computing (NCILC2013), CUSAT, Cochin	National	19 th & 20 th January 2013	
“A Quick Review of Recognition Strategies Based on Neural Network and Neuro-fuzzy Approaches with Special Reference to HCR in Indian Languages”,	National Conference on Indian Language Computing (NCILC2013), CUSAT, Cochin	National	19 th & 20 th January 2013	
Delivered two lectures on Digital Speech Processing (Part I & II)	LIVE transmission of EDUSAT Programme		6 th and 7 th December 2012	
Engaged two session on the topic “ ICT for Education/ Internet Technology and Cyber Laws”	9th Orientation Programme, UGC-ASC, Kannur University		25 th September 2012	

Chaired a technical session	National Seminar-cum-workshop for developing e-contents in Bioinformatics, organized by EMMRC in association with University Departments, in the University of Calicut, Kerala	National	8 th and 9 th August 2012
Delivered a keynote address on the topic “Soft computing for intelligent Systems”	National conference on Neural Networks and Fuzzy Systems (NCNNFS-2012), Erode, Tamil Nadu,.	National	28 th July 2012
Engaged two technical sessions on “Fundamentals of Scilab and ICT enabled Teaching and Learning”	Refresher course in Information Technology organized by Academic Staff College, Kannur University	Inter University	31 st March 2012
Delivered an invited talk on “Research Trends in Machine Learning”	National level IT fest at MES College of Engg., Thrissur on	National	15 th March 2012
Delivered a lecture on Artificial Intelligence and Expert Systems	Live Transmission of EDUSAT Programme	EDUSAT	23 rd September 2011
Delivered an invited talk on Soft Computing for Intelligent Systems	National Conference on Computer Networks, Human Computer Interaction and Image Processing (NCHIP 2012) organized by Vidya Academy of Science and Technology	National	14 th & 15 th March 2012
Delivered an invited talk on Research Trends in Pattern Recognition and Machine Intelligence	National level IT fest at MES College of Engineering, Kuttipuram	National	7 th March 2012.
Delivered technical sessions.	Two day workshop on MATLAB for Image Processing organized by Prajyothi Niketan College, Thrissur	Regional	20 th & 21 st January 2012
Delivered a talk on MATLAB for Mathematical Physics	Workshop on Mathematical Physics organized by Dept. of Physics, Govt. College, Madappally	Regional	15 th December 2011

	Organized	Two day workshop on Lean Software Development in collaboration with Naipunnya Institute of Management and Information technology and KSCSTE		24 th & 25 th November 2011
	Chaired a technical session	International Conference on Web Services Computing organized by SCMS School of Technology and Management, Cochin	Inter-national	15 th October 2011
	Conducted	One day workshop on Biomedical Imaging with Emphasis on Fourier Analysis at Department of Computer Science, University of Calicut		3 rd October 2011
	Delivered a talk on General Informatics	Three day workshop in General informatics for college teachers at PSMO College, Tirurangadi	Regional	15 th September 2011
	Engaged as a resource person and delivered a talk	Career Development Workshop conducted by Career counseling and Placement Cell, Farook Collge, Kozhikode on	Regional	6 th August 2012
	Delivered a talk	Workshop on Career Development for Computer Science Students organized by UGC Career and Counseling Cell, University of Calicut	University	17 th November 2011
Ms. Manjula. K.A, Dept. of Computer Science	“ICT for Effective Learning - Teaching Environment”	National Seminar, St. Joseph’s College of Education,.	National	March 2012
	“ICT Integrated education for empowerment and innovation”	National Seminar on Emerging Trends in Education held at University of Calicut,	National	November 2012
	“Cloud computing – recent trend in business computing” inproceedings of	National conference on DATAMINING, technically sponsored by IEEE at Vasavi College of Engineering, Hyderabad,.	National	March 2012

Dr. C. Jayan, Dept. of Psychology	Emotional labour and Personality as Predictors of quality of Work Life”	3 Day National Seminar National Seminar on “Mental Health & Wellbeing” on, Department of Psychology, University of Calicut.	National Seminar	14 th to 16 th November 2013
	“Father Absence in child psychopathology: An Exploration “	Protection of Child Right: Issues and challenges, Department of applied psychology Pondicherry University.	International conference	
	“Issues in Sexual Abuse Research” Three Day National Seminar on “Mental Health & Wellbeing”	Department of Psychology, University of Calicut.	National Seminar	14 th to 16 th November 2013
	Emotional Regulation and Occupational Stress among Police Officers: A Exploration”	Department of Psychology, University of Calicut.	National Seminar	14 th to 16 th November 2013
	Influence of Type a Personality and Emotion Regulation on Adjustment Behaviour of Recruit Police Constables	Department of Psychology, University of Calicut.	National Seminar	14 th to 16 th November 2013
	“The Role of Relationship Quotient on Quality of Work Life of Law Enforcement Officers”	Department of Psychology, University of Calicut.	National Seminar	14 th to 16 th November 2013
	“Influence of Satisfaction and Relationship Quotient on the Occupational Stress of Police Officers”	Department of Psychology, University of Calicut.	National Seminar	14 th to 16 th November 2013
	“Occupational Stress among Married and Unmarried Teachers”	Department of Psychology, University of Calicut.	National Seminar	14 th to 16 th November 2013
	“Role of Family Environment on the Mental Health of Youth”	Department of Psychology, University of Calicut.	National Seminar	14 th to 16 th November 2013
	“Influence of Emotional Regulation on the Mental Health of Youth “	Department of Psychology, University of Calicut.	National Seminar	14 th to 16 th November 2013
	“Role of Psychological Wellbeing on Anxiety and Depression among Breast Cancer Patients”	Department of Psychology, University of Calicut.	National Seminar	14 th to 16 th November 2013

“Spousal Communication Patterns as Indicators of Marital Well-being among Educated Wives”	Department of Psychology, University of Calicut.	National Seminar	14 th to 16 th November 2013
“Emotional Problems of Single Senior Citizens in a Selected Village, Kerala”	Department of Psychology, University of Calicut.	National Seminar	14 th to 16 th November 2013
“Father Involvement and Adolescent Mental Health: An Exploration”	Department of Psychology, University of Calicut.	National Seminar	14 th to 16 th November 2013
“Role of emotional Intelligence and Self Esteem on Mental Health of Adolescence”	Department of Psychology, University of Calicut.	National Seminar	14 th to 16 th November 2013
“Impact of Emotional Competence and Personality on OCB among Police Officers”	Department of Psychology, University of Calicut.	National Seminar	14 th to 16 th November 2013
“Positive Schooling among Teachers: Does Emotional Labour Matter?”	Department of Psychology, University of Calicut.	2 nd (InSPA) National Conference	22 nd to 24 th November 2012
“Psychological Management Techniques for Epileptic Children: A Review Based Meta Analytical Study”	Department of Psychology, University of Calicut.	2 nd (InSPA) National Conference	22 nd to 24 th November 2012
“Cognitive Distortions among Conduct Disorder Children and Normal Children”.	Department of Psychology, University of Calicut.	2 nd (InSPA) National Conference	22 nd to 24 th November 2012
“Impact of Cyber World on Children’s Behavior: An Exploratory Study”	Department of Psychology, University of Calicut.	2 nd (InSPA) National Conference	22 nd to 24 th November 2012
“The Impact of Sleep Pattern on Anger among Professional Aspirants”	Department of Psychology, University of Calicut.	2 nd (InSPA) National Conference	22 nd to 24 th November 2012
“The Role of Emotional Regulation as Predictor of Anxiety and Depression in Adolescent”	Department of Psychology, University of Calicut.	2 nd (InSPA) National Conference	22 nd to 24 th November 2012
“Behavioral Problems of Street Adolescents In A Selected Population”	Department of Psychology, University of Calicut.	2 nd (InSPA) National Conference	22 nd to 24 th November 2012
The role of perceived parental styles on achievement motivation of adolescents,	Department of Psychology, University of Calicut.	2 nd (InSPA) National Conference	22 nd to 24 th November 2012

“Impact Of Early Marriage On The Psycho-Social Well Being Of Young Girls”,	Department of Psychology, University of Calicut.	2 nd (InSPA) National Conference	22 nd to 24 th November 2012
Risk Factors of Diabetics among Children and Adults”	Department of Psychology, University of Calicut.	2 nd (InSPA) National Conference	22 nd to 24 th November 2012
“Cognitive Ability of Normal Children Vs Oral Facila, Cleft Children”	Department of Psychology, University of Calicut.	2 nd (InSPA) National Conference	22 nd to 24 th November 2012
“ Child Crimes In Kerala: An Exploratory Study”	Department of Psychology, University of Calicut.	2 nd (InSPA) National Conference	22 nd to 24 th November 2012
Role of father in the cognitive and academic development of the child: An exploration	Department of Psychology, University of Calicut.	2 nd (InSPA) National Conference	22 nd to 24 th November 2012
Personality Correlates And Parenting Styles Among Mothers Of Children With Conduct Disorder”	LISSAH, January	National conference	2012
Music- an alternative therapy for Psychological disorders: a Review Based Meta analytical Study”	LISSAH, January	National conference	2012
Role of Social support on Cancer Related Distress in Breast Cancer Patients,	LISSAH, January	National conference	2012
“Exploring Criminal Personality of Female Prisoners”	LISSAH, January	National conference	2012
“The Offensive Epidemic: Victim, Wearing The Offenders Coat”	SS University, Kalady	National conference	22 nd to 24 th February 2012.
“Role of Parents: Academic Achievement and Self Esteem among Epileptics”	Department of Applied Psychology, Pondicherry.	National conference	21 st and 22 nd September 2012
“The Positive Impact of Father on the Life of Their Children”,	LISSAH,	National conference	January 2012.
“The Concept of Father: Perception of Children from Father Present and Father absent Homes”.	SS University Kalady.	National Seminar (UGC sponsored)	2012

“Impact of Father Absence on Adolescence Mental Health	IIM, Indore.	4 th Conference	
“Behavioral Problems of Street Adolescents In A Selected Population	University of Calicut	National Conference	22 nd to 24 th November 2012
“The Role of Emotional Regulation as Predictor of Anxiety and Depression in Adolescents”	University of Calicut	2 nd National Conference	22 nd to 24 th November 2012
“The Positive Impact of Father on the Life of their Children”	LISSAH College	National Conference	2012
Organizational culture and Quality of work life as predictors of Job attitude”	Indian Institute of Management, Indore	International Conference	2012
Role of Quality of Work Life on the Job Attitude and Personal Effectiveness of Engineering College Teachers”	LISSAH College	National Conference	2012
The Effective Epidemic: Victim Wearing The Offenders Coat”	Sree Sankaracharya University, Kalady	National Conference	22 nd to 24 th February 2012
Effectiveness of school counseling Programme on “Achievement Motivation” of Adolescents.	RGYNIYD	National conference	
Effectiveness of school counseling Programme on “Self Confidence” of Adolescents,	Swadeshi Science Congress.	National conference	
Emotions Regulation as Predictor of Adolescent Anxiety and Depression”		National conference	23 rd to 25 th January 2012
The Impact of Personality on the Quality of Work Life, among Law Enforcement Officers	LISSAH,	National conference	Calicut, 2011. (Best Paper Award)
“Emotional Labour: A Process of Self-Deception on the Well Being of Service Workers’	Department of Psychology University of Calicut	National Seminar	14 th and 15 th October 2010 (Best Paper Award)

	“Evolution of the Concept, Organizational Culture-A Review Based Study”,	Department of Psychology University of Calicut	National Seminar	14 th and 15 th October 2010 (Best Paper Award)
	“Psychology and Policing: A Need based analysis	Department of Psychology University of Calicut	National Seminar	14 th and 15 th October 2010 (Best Paper Award)
	“Every Child’s worst Night mare” Child Abduction: A meta analytic study	Department of Psychology University of Calicut	National Seminar	14 th and 15 th October 2010 (Best Paper Award)
	“Cyber Crime: A global threat	Department of Psychology University of Calicut	National Seminar	14 th and 15 th Oct. 2010 (Best Paper Award)
	Mental Illness as Risk Factor for Violence and Criminal Behavior-A Meta Analysis”	Department of Psychology University of Calicut	National Seminar	14 th and 15 th October 2010 (Best Paper Award)
	Relationship quotient and Self Esteem on life satisfaction among married women”	Department of Psychology University of Calicut	National Seminar	14 th and 15 th October 2010
Dr. K. Manikandan Dept. of Psychology	Juvenile Sex Offending: Perspectives of significant People related to Juvenile Sex Offenders	Department of History, Psychology & Sociology Sree Sankaracharya University of Sanskrit, Kalady	9th Annual Conference & International Seminar	10 th to 12 th December 2014
	Hostility: A Meta analytical Study	Department of Psychology, University of Calicut	3 Day National Seminar	4 th to 16 th November 2013
	Achievement Motivation and Self Efficacy among High School Students.	Department of Psychology, University of Calicut	2nd National conference	22 nd to 24 th November 2012
	Assertiveness, Locus of control and Hostility among Adolescents	Department of Psychology, University of Calicut	2nd National conference	22 nd to 24 th November 2012
	Emotional maturity, Self Esteem and Adjustment Level.	Department of Psychology, University of Calicut	2nd National conference	22 nd to 24 th November 2012

Burnout and Job Attitudes of Employees of Higher Education with Special Reference to Kerala	Organised by Indian Institute of Management (IIM), Indore	National	2012
Psycho-Social Problems of the Blind Children	Department of Psychology Sree Sankaracharya University of Sanskrit, Kalady.	National Seminar	22 nd to 24 th February 2012
Measures of Self-Esteem: An Analysis	LISSAH College Calicut	National Seminar	23 rd to 25 th January 2012
Personality and Meaning in Life of University Students. Mental Health of Teachers: A meta analysis	S. N. M. Training College Ernakulam	National Seminar	4 th and 5 th August 2011
Occupational mental Health and Well Being of Teachers.	S. N. M. Training College, Ernakulam	National Seminar	4 th and 5 th August 2011
Anxiety and coping styles of spouses of alcoholics.	Department of Psychology, University of Calicut	National Seminar	14 th & 15 th October 2010
Influence of Sex, Birth Order, and Employment Status on Shyness	Department of Psychology, University of Calicut	National Seminar	14 th & 15 th October 2010
Job Involvement in relation to Interpersonal needs and certain selected demographic variables.	Department of Psychology, University of Calicut	National Seminar	14 th & 15 th October 2010
Job Involvement in relation to Parental Stress and Sex of Teacher Educators	Department of Psychology, University of Calicut	National Seminar	14 th & 15 th October 2010
Chaired a Technical/Paper Presentation Session on Inclusive Education and Child Mental Health of Indian School Psychology Association (InSPA)	Department of Psychology, University of Calicut	2 nd National conference	22 nd to 24 th November 2012, Kerala.
Chaired a Technical/Paper Presentation Session: National Seminar on Emerging Trends in Education, in collaboration with the Chamber of Education, New Delhi in connection with the National Educational Day.	Department of Education, University of Calicut	National Seminar	12 th November 2012

Chaired a Technical/Paper Presentation Session: National Seminar (UGC sponsored) on Child Development	Department of Psychology Sree Sankaracharya University of Sanskrit, Kalady.	National Seminar (UGC sponsored)	22 nd to 24 th February, 2012
Chaired a Technical/Paper Presentation session on Organization: National Seminar on Socio Cultural Prospects of Positive Psychology in India	LISSAH College Calicut	National Seminar	23 rd to 25 th January 2012
Chaired a Valedictory Session of National Seminar on Counseling & Psychotherapy,	Society of Psychologists for Social Action (SPSA). Calicut, Kerala.	National Seminar	23 rd to 25 th January 2012
Training for Volunteers On Psychological Counseling – As an Extension Programme for Suicide prevention among Farmers of Wayanad. Topic: Basic Principles of Counseling	Department of Psychology, University of Calicut	Local	25 th September 2013
One-Day Workshop on Discovering Statistics using SPSS,	Department of Education, University of Calicut	National conference	11 th September 2013
Training Capsule on Personality Development and Life Skills (PDLs) for ANOs, on Topic: Interpersonal Relationships.	NCC Group HQ, West Hill Barrack, Calicut	National conference	14 th August 2013
Training Programmes/ Workshop on Vocational Guidance at Eranakulam. Topic: Psychology of Career Counseling.	Kerala Institute of Labour & Employment (KILE), Trivandrum	National conference	16 th October 2012
One day work shop on Research Methodology & Statistics in Psychology on at Key Resource Person.	AWH College Payyannur, Kannur.	National conference	29 th September 2012
Two-Day Workshop on Statistical Package for Social Sciences (SPSS) Topic: Doing Statistics using SPSS.	St. Joseph College Moolamattom, Idukki.	National conference	25 th and 26 th September 2012

National Seminar on Research Methodology Topic: Quantitative Data Processing	Government College of Teacher Education Kozhikode, Kerala.	National conference	7 th March 2012
National workshop on Research Methodology Topic: Statistics in Social Science Research. Time: 9.30 Am To 3.30 Pm.	Brennen College of Teacher Education Thalassery, Kannur Kerala.	National conference	3 rd February 2012
Capacity building of women managers in higher Education	Anna University, Chennai	Workshop	3 rd to7 th December 2010
Capacity Building of women Mangers in higher education	Centre for Extension studies and centre for women studies, Sri Venkateswara University, Tirupathi.	National conference	14 th to18 th October 2011
Strategies to enhance problem solving skills in children: A gate way to better cognitive development	Sree Sankaracharya University, Kalady	National Seminar	22 nd to 24 th February 2012
Need for Psychological Intervention in Primary School setting: Teachers Perspective	Sree Sankaracharya University, Kalady	National Seminar	22 nd to 24 th February 2012
Story Telling – An Effective Intervention For Childhood	Sree Sankaracharya University, Kalady	National Seminar	22 nd to 24 th February 2012
Peer Pressure in Adolescence: A Pre-cursor to Criminality	Sree Sankaracharya University	National Seminar	22 nd to 24 th February 2012
Symptoms of AD/HD in Early Childhood and Late childhood: A comparative Study	Sree Sankaracharya University	National Seminar	22 nd to 24 th February 2012
Role of Parental Attitude on Ad/HD children: An exploratory study on Mother –AD/HD child dyads	Sree Sankaracharya University	National Seminar	22 nd to 24 th February 2012
Impact of Aggression and Impulsivity on subjective well being of Adolescents	Sree Sankaracharya University, Kalady	National Seminar	22 nd to 24 th February 2012
UGC Management skill workshop on Advocacy and Negotiation	Andhra University, Visakhapatnam	National conference	27 th to 31 st January 2013

	Resource person in Teacher's refreshers programmes	SSA, Wayanad	National conference	22 nd Jan. 2013
	Self Awareness & Empathy	Edusat Telecast Lecture on Social Skills	National conference	18 th Feb. 2013
	Effective Communication and interpersonal Relationship skills		National conference	19 th February 2013
	Coping Skills for Youth		National conference	20 th Feb. 2013
	Resource person in the workshop on counselling	Social Work Dept, St. Alosius College, Mangalore	National conference	26 th Feb. 2013
	Resource person in the workshop for psychologist on life skill based counseling for adolescents	S.S.University of Sanskrit, Kalady	National conference	5 th March 2013
	Awareness lecture on gender sensitization for the employees of spices board	Spices Board, Calicut	National conference	8 th March 2013
	Workshop for youth on life skills	Govt. Arts College, Meenchanda in connection walk with scholar programme	National conference	13 th March 2013
	Decision Making and problem solving	Edusat Telecast Lecture on Cognitive Skills	National conference	18 th March 2013
	Critical and Creative Thinking		National conference	19 th March 2013
	Resource person in the workshop as "Effective Parenting"	Janamaithri Police, Chemmad	local	10 th April 2013
Dr. Baby Shari. P. A., Dept. of Psychology	Research Methodology	National Workshop		23 rd to 24 th Feb 2010
	Training Need Analysis of School Teachers	Perceptive in Teachers Education: Researches, Innovations & Teachers	UGC National Seminar	11 th November 2009
	Life skills Approach in Clinical Practice	M.S.W Department, St. Aloysius College, Mangalore	Organized Human Wellness Forum,	2 nd March 2010
	Psychological Influence in Terrorism	RGNIYD	National conference	25 th to 28 th March 2010
	Conflict a Positive perception	RGNIYD	National conference	25 th to 28 th March 2010

Role of Life skills for conflict management & sustainable peace	RGNIYD	National conference	25 th to 28 th March 2010
Challenges & Prospects of Research in the New world Order		2days National Seminar	23 rd to 24 th March 2010
Short term course for professional Development of Professors & Associate professors	UGC Academic Staff College	National conference	13 th to 19 th January 2011
Life skills training for adolescence through teachers	Quality, Expansion and inclusion in Indian Higher Education	National Seminar	3 rd February 2011
Need for life skill Training in Primary Education	(RGNIYD)	Second International Conference	8 th to 10 th December 2010
Academic Problems and Coping Patterns among Gifted Adolescents: An Exploration	(RGNIYD)	Second International Conference	8 th to 10 th December 2010
Stress and coping patterns among Gifted Adolescents: An Exploration	(RGNIYD)	Second International Conference	8 th to 10 th December 2010
Capacity building of women managers in higher Education	Anna University, Chennai	Workshop	3 rd to 7 th December 2010
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Story Telling – An Effective Intervention For Childhood	Sree Sankaracharya University, Kalady	Local	22 nd to 24 th Feb.2012
Peer Pressure in Adolescence: A Pre-cursor to Criminality	Sree Sankaracharya University	State	22 nd to 24 th Feb. 2012

	Symptoms of AD/HD in Early Childhood and Late childhood: A comparative Study	Sree Sankaracharya University	State	22 nd to 24 th February 2012
	Role of Parental Attitude on Ad/HD children: An exploratory study on Mother –AD/HD child dyads	Sree Sankaracharya University	National	22 nd to 24 th February 2012
	Impact of Aggression and Impulsivity on subjective well being of Adolescents	Sree Sankaracharya University	National Seminar	22 nd to 24 th February 2012
Dr.Rajani Rama-chandran Dept. of Psychology	ABA in Autism Spectrum Disorders	Prashanti Special School and Rotary Department of Psychology, University of Calicut	Local	2013
	Effect of On the track accidents on loco pilots	Prashanti Special School and Rotary Department of Psychology, University of Calicut	National	2013
Ms. Mini Sukumar Dept. of Women's Studies	Gender Mainstreaming in Campus'	Marian College, Kuttikanam, Idukki, (affiliated to MG University, Kottayam)	Local	25 th April 2012
	Gender in Education	Government Institute of Advanced Study in Education, Thrissur	National conference	20 th September 2012
	The Rights of Women and their Denial	Women Development Cell, Christ College, Irinjalakkuda	National conference	4 th January 2013
	Gender Concerns in Disaster management,	School of Disaster management Studies, Rapid Response and Rescue Force (RRRF), Pandikkad, Malappuram	National conference	20 th June 2013
	Gender and Local Governance	Kerala Institute of Local Administration, Thrissur.	Local	5 th June 2013
	Gender and Governance	Kerala Institute of Local Administration, Thrissur	Local	4 th July 2013
	Gender Awareness for the Railway Police	Railway Police Station, Kozhikode	Local	20 th Aug. 2013
	Women, Society and Safety	Women Development Cell, Christ College, Irinjalakkuda	Local	26 th September 2013

Women's Rights are Human Rights	MES College, Ponnani	Local	25 th Nov.2013
Eradication of Violence Against Women, Talk in connection with International Day on Elimination of Violence Against Women	All India Radio, Trivandrum	Local	Broadcasted on 25 th November 2013
'Violence Against Women'	Department of History, Zamorin's Guruvayurappan College, Kozhikode	Local	Women's Day-8 th March 2013
Women in Cultural Context	School of Drama, University of Calicut, Thrissur Campus	Local	1 st &2 nd August 2014
'Social Construction of Gender'	UGC Orientation programme, Academic Staff College, Kannur University	National	22 nd July 2011
Violence Against Women: Human Rights Perspective	UGC Academic Staff College, Calicut	National	4 th October 2012
'Resisting marginalizations, Challenging Hegemonies: Revisioning Gender Politics'	Indian Association of Women's Studies(IAWS) National Conference at Mahatma Gandhi Antarashtriya Hindi Vishwavidyalaya, Wardha	National conference	21 st to 24 th January 2011
'Findings, Lessons and Challenges to Programming for Safer Cities for Women and Girls: Experience from Delhi and Kerala'	Sakhi Women's Resource Centre, Thiruvananthapuram	National conference	3 rd and 4 th May 2012
Institutional Questions-national Curriculum Workshop on Women's Studies	Women's Studies Programme, Jawaharlal Nehru University, New Delhi	National conference	1 st and 2 nd September 2011
National workshop on Feminist Research Methodology	IUCSSRE, MG University, Kottayam	National conference	26 th September and 1 st Oct. 2011
'Histories, Literary and Visual Texts of South Asia'	KSP Women's Studies Centre, University of Pune	National conference	7 th and 8 th Nov. 2011
'Experience of Women in Kerala Model Development'	Colloquium on 'Experiences of Kerala Development Model', by the School of International Relations and Politics, Mahatma Gandhi University, Kottayam	National conference	17 th November 2011

‘Feminist Consciousness and Women’s Movement in Kerala’	Centre for Gandhian Studies, Alphonsa College, Pala, Kerala	National conference	7 th and 8 th February 2012
‘Emergence of Women’s Movements and Women’s Rights in India: Since 1970s’	National interdisciplinary workshop on ‘Law, Democracy and Social Justice: Critical Perspectives’ organized by Govt. Law College, Thrissur	National conference	17 th February 2012
‘Violence Against Women- The Conceptual Framework’	Research & PG Dept. of Political Science, St. Thomas College, Pala	National conference	22 nd & 23 rd March 2012
‘Gender Concerns in Development- Indian Experience’	Centre for Gandhian Studies, St. Berchman’s College, Changanacherry	National conference	22 nd & 23 rd March 2012
‘Concepts, Debates and Methods in Feminist Theory’	IUCSSRE, MG University	National conference	16 th August 2012
‘Keraleeya stree: Oru Vikasana Sookhika (Kerala Woman: An Indicator of Development)’	Dept. of Malayalam and Kerala Studies, University of Calicut		1 st November 2012
Freedom from Fear : A community initiative for reducing Violence Against Women	Institute of Development Studies, Jaipur	National	30 th and 31 st Jan. 2013
Development Imaginations: Gender, Ecological and Dalit Critical Engagements’	Gender, Ecology and Dalit Studies, Dept. of History, SSS University, Kalady	National conference	13 th & 14 th February 2013
Women’s Writing’	National Book Trust at Calicut	Local	4 th Dec. 2012
Adivasi-Dalit Language and Literature’	Malayalam & Kerala Studies, University of Calicut	Local	19 th to 22 nd March 2013
Missing Women in Landscapes: Rethinking Gender and Space	Post Graduate Dept. of Economics, Govt. Arts & Science College, Calicut	Local	29 th November 2013
Women’s Education and Social Transformation	Seminar on Gender and Education in Colonial and Post Colonial contexts, CMS College, Kottayam	Local	12 th & 13 th December 2013

	Changing Kerala'	National Book Trust Thiruvananthapuram Book Fair	Local	8 th October 2014
	Emergence of Women's Studies in Kerala: An overview	Indian Association of Women's Studies and Krantijyothi Savithribai Phule Women's Studies Center, Savithribai Phule, Pune University.	National conference	20 th & 21 st February 2015
	' Realising Human Rights of Youth: A Gender Perspective	KAHM Unity Women's College, Manjeri, Malappuram	National conference	24 th & 26 th February 2015
	Self Help Groups in Kerala- Challenges	3rd International Congress on Kerala Studies, Trivandrum	International	1 st to 3 rd January 2011
	Gender Gaps in Urban Planning: A case study of Calicut City Corporation	International Conference on Democratic Decentralisation and People's Participation, Kerala Institute of Local Administration (KILA) & RC10, International Sociological Association	International	20 th to 23 rd December 2012
Dr. Moly Kuru- villa Dept. of Women's Studies	Women's Safety and Empowerment in the Modern Society, during Women Cell Cum-Help Line Inauguration.	Tirur Police Station	Local	12 th February 2011
	Women's Rights as Human Rights	UGC Academic Staff College, University of Calicut	National conference	21 st February 2011
	Service Mentality and Assertiveness-The Cutting Edges	PVS Hospital, Kozhikode	Local	26 th February 2011
	Human Rights Education	Government Training College, Kozhikode	Local	7 th March 2011
	Women Empowerment	Sahrudaya College of Engineering and Technology	Local	11 th March 2011
	Self Empowerment of Girls amidst Adversities	MES College, Mampad.	Local	21 st July 2011
	Role of Teachers in Ensuring Gender Justice	UGC Academic Staff College, University of Calicut	National conference	2 nd August 2011

Adolescent Counselling	Farook College of Teacher Education, Valancherry	National conference	4 th August 2011
Effective Parenting for Ensuring Safety of Children	Vallikkunnu Panchayath	Local	9 th October 2011
Coping Strategies for Girls in the Globalised Society at the State Level Convention of Ideal Education Society	Mass Auditorium, Kozhikode	Local	26 th October 2011
Teachers and Gender Equality	UGC Academic Staff College, University of Calicut	National conference	19 th Nov. 2011
Career Guidance and Counseling on Soft Skills for Girls	NSS College, Nemmara, Palakkad	Local	25 th November 2011
Life Goals of Women: Need for a Rethinking	Darunnajath Arabic College, Malappuram	Local	14 th Jan. 2012
Body Image, Identity and Safety of Girls	Mar Thoma College, Chungathara	Local	2 nd Feb. 2012
Women Empowerment and Police	Chemmad, Malappuram	Local	17 th Feb. 2012
Women Empowerment and Police	Thamarassery, Wayanad	Local	18 th Feb. 2012
Women Empowerment and Police	Tirurangadi, Malappuram	Local	18 th March 2012
Effective Interpersonal Relationship as a Requisite for Self Empowerment of Girls	Ma'din Academy, Malappuram	Local	14 th May 2012
Effective Parenting and Motivation of Children	GMLP School, Tanur	Local	19 th May 2012
Social Empowerment and Advancement of Women in the Kerala Society	Kerala NGO Association , Tirurangadi	Local	12 th June 2012
Challenges and Coping Strategies Against Violence	Don Bosco College, Sulthan Bathery	Local	20 th Sep. 2012
Feminist Research Methodology	St Thomas College, Kozhencherry	Local	24 th Sep. 2012
Scope and Relevance of Gender Studies in the Higher Education System	UGC Academic Staff College, University of Calicut	Local	15 th November 2012
Feminist Research Methodology	UGC Academic Staff College, Bharathiar University, Coimbatore	Local	29 th November 2012

Role of Media in Women's Emancipation	Kerala State Women's Development Corporation at Kozhikode	State	27 th May 2013
Role of teachers in Inculcating Values of Gender Justice.	St Xavier's College for Women, Aluva	State	30 th August 2013
Women Empowerment	Press Information Bureau at oonniyoor Grama Panchayat	Local	27 th Sep. 2013
Role of Women in a Changing Society	Farook College, Feroke	National conference	13 th Nov. 2013
Marriage, Family Dynamics and Egalitarian Relations in Family Life	ICDS, Tirur	State	4 th January 2014
Awareness Class for MPTA	Government Higher Secondary School, Tirurangadi	Local	4 th January 2014
Gender Awareness Training	St Xavier's College for Women, Aluva	National conference	24 th Jan. 2014
What is our Duty to Financially Empower Women in Kerala	Kerala State Women Development Corporation Press Club, Thiruvananthapuram	National conference	25 th February 2014
Legal Awareness for Women Empowerment at the Review meeting on PWDV Act 2005	Malappuram Collectorate organised by Kerala State Social Welfare Board	National conference	1 st March 2014
Status of Women in India and the Enigma of Kerala Women	University of Oregon's Global Seminar in South India program at the NGO, Kabani	National conference	8 th March 2014
Gender Sensitisation	UGC Academic Staff College, University of Calicut	National conference	10 th March 2014
Inspiring Change in Society	Indian Institute of Spices Research, Kozhikode	Local	15 th March 2014
Gender and Interpersonal Relationship	Holy Cross Institute of Management and Technology, Kozhikode	Local	22 nd March 2014
The Sexual Harassment Act 2013	Kerala State Women's Development Corporation at Kozhikode	Local	22 nd May 2014
Women and Society	Kerala District Cooperative Bank Employees Union Meeting at Kozhikode	Local	6 th July 2014

Effective Mentoring for the faculties St Xavier's College for Women, Aluva on 22 nd July 2014	St Xavier's College for Women, Aluva	Local	22 nd July 2014
Gender Mainstreaming at the three day National Workshop on Gender Mainstreaming : Bridging Gap Between Theory and Practice	Save A family Plan Trust (India) at Aiswayagramme, Kalady	Local	30 th July 2014
Gender Dimensions of Violence, Disabilities and Old Age to Officers of Social Justice	Department, Government of Kerala at IMG, Kozhikode	Local	1 st August 2014
Role of Women Lawyers in the Changing Society at the State Level Professional Development Camp for Women Lawyers	Bar Council of Kerala at Kozhiokode	State	9 th August 2014
Empowerment of Girls Through Discovering Identities	SARBTM Government College, Koyilandy	Local	25 th August 2014
Gender Sensitivity Training	UGC Academic Staff College, University of Calicut	Local	27 th August 2014
Gender Sensitisation and Motivation Class on Discovering Identities	AWH College of Science and Technology, Anakkara	Local	20 th September 2014
Gender Sensitivity Training	UGC Academic Staff College, University of Calicut	National conference	30 th Sep. 2014
Women's Studies Perspective at the National Capacity Building Workshop for SC/ST Women Teachers in Higher Education	RGNIYD, Chennai	National conference	7 th October 2014
Awareness Class on Effective Parenting for Effective Learning and Better Achievement for PTA	A L P School, Pallickal	Local	9 th October 2014
Empowerment through Discovering Identities	Devaki Amma's Guruvayurappan College of Architecture, Chelembra	National conference	15 th Octo. 2014
New Dimensions of Women Empowerment in the New Millennium	St Joseph's College for Women, Irinjalakuda	National conference	29 th Octo. 2014

Effective Parenting to PTA	AMLPS School , Kalathingalpara, Moonniyur South	Local	8 th November 2014
Women's Health and Sexuality at the State Level Camp for Teacher Training Students	Kerala Ideal Educational Society at Sikshak Sadan, Kozhikode	Local	12 th November 2014
Quality Sustenance of Higher Education for Women	Little Flower College, Guruvayoor	Local	17 th Nov. 2014
Adolescence Education	Government Higher Secondary School, Cheriyamundam, Tirur	Local	19 th November 2014
Awareness on Women's Rights in the Current Social Context	Chinmaya Institute of Technology	Local	29 th November 2014
Contextualising and Combating Gender Based Violence at the Refresher Course in Gender Studies	UGC Academic Staff College, University of Calicut	National conference	28 th January 2015
Gender Challenges in the Changing Society	Department of Women's Studies, Bharathidasan University, Tiruchirapalli	National conference	6 th February 2015
Effective Parenting for PTA	KHM Higher Secondary School Valakulam, Pookiparamba	Local	10 th February 2015
Women Empowerment : Milestones and challenges	Nasra College of Arts and Science, Thirurkad	Local	16 th Feb. 2015
Adolescent Mentoring	Government Model Higher Secondary School , C U campus	Local	19 th February 2015
New Dimensions of Women Empowerment in the 21 st Century	Malayalam University, Tirur	Local	11 th March 2015
Approaching Success Through Personality Development	Sree Narayana College of Teacher Education, Chelannur, Kozhikode	Local	20 th March 2015
Strategies and Skills for Women Empowerment amidst Gender Bias	Blossom Arts and Science College, Kondotty	Local	26 th March 2015
Women Development Cell as a Forum for Empowerment of Girls	Cochin College of Engineering and Technology, Valanchery	Local	28 th March 2015

Ms. Layana Aanand Dept. of Women's Studies	Women Component Plan-Gender Budgeting as a Tool	State Institute of Rural Development (SIRD), in the Training Programme on "Gender Budgeting to Members of PRI's at Kozhikode	State	23 rd October 2013
	Women Component Plan-Gender Budgeting as a Tool	State Institute of Rural Development (SIRD), in the Training Programme on "Gender Budgeting to Members of PRI's at Ernakulam	State	7 th December 2013
	Safety Net Programme to School Students	Govt.HSS, Tirurangadi	Local	January 2014
	Women Empowerment	Janamaithry Police, Tirurangadi, Cherukad Auditorium		11 th February 2014
	Adolescent Education Classes	Kerala Social Welfare Department, Thenhipalam Grama Panchayat	Local	22 nd February 2014
	Inspiring Change-Women's day Message, Women's Day Celebration of Kudumbasree,	Thenhipalam Grama Panchayat	Local	8 th March 2014
	Parenting issues and Problems faced by Mothers of Adolescent Girls & Boys	Integrated Child Development Society (ICDS), Ponnani, Govt. LP School, Velleri.	Local	15 th March 2014
	Preparation of Gender Budget Manual for LSGI's	Kerala Institute of Local Administration (KILA)	State	11 th April 2014
	Preparation of Gender Budget Manual for LSGI's	Kerala Institute of Local Administration (KILA)	State	25 th & 26 th April 2014
	Preparation of Gender Budget Manual for LSGI's	Kerala Institute of Local Administration (KILA)	State	27 th Sep. 2014
	Adolescent Education Class	PKMMHSS, Edarikode	Local	6 th Nov. 2014
	Women Component Plan-Gender Budgeting as a Tool,	State Institute of Rural Development (SIRD), in the Training Programme on "Gender Budgeting to Members of PRI's at Malampuzha, Palakkad	State	26 th November 2014
	Adolescent Parenting	PKMM Higher Secondary School, Edarikkode	Local	23 rd Jan. 2015

Attended One Day Seminar on Research Projects- The Art of Writing Proposals	Tagore Nikethan, University of Calicut		25 th March 2014
Presented a paper on Influence of Education on Women's Decision Making Power within Family	UGC Sponsored National Workshop on Women's Higher Education Institutions: Impacts, Influences & Challenges, organized by Sacred Heart College, Chalakkudy	National 2013	21 st & 22 nd March
Presented a paper on Early Marriage: Whose Choice?	National Seminar on Human Rights Issues in Early Marriage, Centre for Women's Studies and Academic Staff College, University of Calicut	National	17 th October 2013
Presented a paper on Influence of Employment on Women's Decision Making Power within Family	UGC Sponsored National Seminar on "Gender Issues and Empowerment of Women", Post Graduate Department of Economics, Sree Narayana College, Nattika, Thrissur	National	5 th & 6 th February 2014
Presented a paper on Feminist Reading of Malayalam Ghost Movies	National Seminar on "Contextualizing Discourses on Gender Analysis and Mainstreaming" Episteme Academic Enclave, Department of Social work, Sree Sankaracharya University of Sanskrit, Kalady, Regional Centre, Payyanur	National	8 th February 2014
Presented a paper on Counselling: A Feminist Approach	Crime and Violence by and Against Women, Women's Studies Centre, CUSAT	National	July 2014
Presented a paper on Old Age Women: Marginalised within Marginalised	ICSSR Sponsored National Seminar on Ageing Gracefully: A Multi-dimensional Perspective	National	24 th & 25 th November 2014

	Presented a paper on Women's Protest against Violence: Review of Malayalam Yakshi Cinema	UGC Sponsored National Seminar on Crime against Women:A Growing Menace to Society, Organised by Dept. of Sociology, B.C.M College, Kottayam on	National	19 th & 20 th January 2015
	Presented a paper on Impact of Religion in Construction of Gender Ideology among Students in Schools of Kerala	UGC Sponsored National Seminar on Human Rights and Gender Issues-Towards Pragmatic Solutions, Organised by Dept. of Sociology, St. Teresa's College, Ernakulam	National	12 th February 2015
	Participate in Two day Workshop on Resource Building for Gender Sensitisation in Higher Education	Kerala State Higher Education Council at Centre for Water Education, Thiruvanthapuram	State	28 th February & 1 st March 2015
Dr.E.K. Govinda Varma Raja, Dept.of Folklore	The History of Kalari	Perambra	Local	28 th January 2011
	Applied folklore in curriculum	Thenhipalam AUPS	Local	12 th Feb. 2011
	Myth and history of KulappuramKavu,	Kulappuram Vayanasala	Local	15 th Feb. 2011
	The importance of Farewell ceremony	KHMHSS, Alathur	Local	27 th Feb. 2011
	Folklore	Kerala Samajam Contemporary world School, Doorvaninagar.	Local	17 th March 2011
	Puranam Thirumunpil (The epic Devi Baghavatham translated by T.S. Thirumunpad)	Dept. of Psychology, University of Calicut	Local	31 st March 2011
	The function of lore in education	Pallikkunnu AUPS	Local	15 th August 2011
	Folkness & Sathyagraha	Atholi AUPS	Local	4th Sep. 2011
The role of festival in modern society	Kondotty Co-operative Arts College, Kondotty	Local	30th Oct. 2011	

Lore about Mahabhali	Indranagar, Banglore Kerala Samajam	Local	24 th Sep. 2011
Literary figures in folklore	Malabar Co-operative college, Parappanangadi	Local	22 nd Jan. 2011
Comparative study of Folk Art & Classical Art	Keraleeya Kendra Sangadana	Local	13 th March 2011
‘Dissemination of Folklore’	EMSSGHSS, Pappinissery	Local	22 nd Sep. 2012
Folklore & Science	Department of Malayalam, University of Kerala, Thiruvananthapuram	Local	5 th December 2012
Three Days National Workshop on Production, Packaging & Marketing of Folk Tribal Programmes	AIR Kannur	Local	11 th to 13 th December 2012
The impact of Globalization in Ritual Ceremony with special reference to Perumkaliyattom on Folklore	Folklore International Conference, Kuppam Dravidian University	National seminar	8 th to 10 th April 2010
Chair a session- National Seminar on Folklore in mathematics	Sakthan Thampuran College of Mathematics & Arts, Thrissur in collaboration with SFS, Calicut University	Local	4 th &5 th January 2011.
Chair a session-Three Day National Workshop on Tribal Studies: Problems & Prospects	University of Calicut in collaboration with ITSr &SFS, University of Calicut.	Local	8 th to 10 th February 2011
Chair a session-Coastal Regulations Zone act and insecurity of Coastal Folk Life	SFS, University Calicut.	Local	17 th to 18 th February 2011
Chair a session- Two day National Seminar on Life & Senior Citizens: Lore & concerns	Collaborations with Cherathu, Cheruthazham & SFS, University of Calicut.	Local	1 st and 2 nd May 2011
Chair a session-Two day National Seminar on Folklore & Film	SFS, University of Calicut.	Local	
Chair the session Mathematical Culture National Seminar on Tribal lore	University of Calicut	Local	20 th to 22 nd August 2010

Dr.Soman Kanna- cham Kuttikuni, Dept.of Folklore	Ecology & Short Story	Kerala Grandasala SangamAgri culture College,Padannakkad	Local	25 th June 2011
	Cultural movement in Post modern context	Arikkulam Grama Panchayath	Local	28 th &29 th Sep. 2011
	Illustration and Literacy appreciation	Academic Staff College, University of Calicut	National seminar	15 th Oct., 2011
	Resource person of three day workshop on children’s on children’s illustration	State Balasahithya Institute, Thiruvananthapuram		13 th November 2011
	Social Life and Psychology change of Keralites	Bangalore Kerala Samajam		22 nd Sep.2012
	Folklore Concepts	Department of Malayalam, Govt. Arts & Science College, Calicut		5 th December 2012
	“Illustrations and literature”	Caricature camp conducted by Department of Malayalam, University of Calicut and Kerala Lalikthakala Academy		16 th September 2010
	Folklore in literature Kerala	Kerala Folklore Academy		15 th March 2013
	Continuation of sangam tradition in malayalam novel, Chemmeen	School of Folklore Studies		28 th March 2013
Paristhithiyum Paramparya Samoohavum	International Center for Folklore Studies, Thrissur	Inter- national	30 th May 2014	
Satheesh K.P Dept.of Folklore	Intellectual property right and folklore	International Center for Folklore Studies, Thrissur		30 th May 2014
Dr. M.M. Musthafa, Dept. of Physics	Theme meeting cum workshop on Nuclear Reaction code EMPIRE	Board of Research in Nuclear Science, Dept. of Atomic Energy	National	10 th to 13 th November 2014
	Workshop on Radiation Physics – Basics of dosimetric calculation in radiotherapy	University of Calicut	National	November 2012
Dr. C.D. Ravi- kumar, Dept. of Physics	National seminar on Astrophysics in connection with the retirement of Dr. B.R.S. Babu	UGC SAP	National	August 2012

Dr. Mohamed Shahin Thayyil, Dept. of Physics	Workshop on Applications of Microcontrollers and Embedded Systems	Workshop conducted as part of Extension Activities at Department of Physics on March 2014. Three programs of 2-day duration for Science and Engineering Students Co-ordinated by Dr. Mohamed Shahin Thayyil	National	March 2014
	Workshop on Applications of Microcontrollers and Embedded Systems	Workshop conducted by the Department of Physics as part of Extension Activities at SSM Polytechnic College, Tirur in August 2014 Co-ordinated by Dr. Mohamed Shahin Thayyil	National	August 2014
	Workshop on Applications of Microcontrollers and Embedded Systems	Workshop conducted by the Department of Physics as part of Extension Activities at Tunchan Memorial Government College, Tirur in August 2014 Co-ordinated by Dr. Mohamed Shahin Thayyil	National	August 2014
	Workshop on Applications of Microcontrollers and Embedded Systems	Workshop conducted by the Department of Physics as part of Extension Activities at PSMO College, Tirurangadi in October 2014. Co-ordinated by Dr. Mohamed Shahin Thayyil	National	October 2014
Dr.A.M. Vinod kumar, Dept.of Physics	Nuclear Reactions using low energy, light RIB's	IUAC, New Delhi Workshop on Secondary RIB UsingHYRA	National	14 th & 15 th November 2013 (Invited)
	INO Meeting, Madurai	INO- Madurai Kamaraj University	National	13 th to 15 th September 2013
	Neutrinos , a new window to the Universe – TIFR INO outreach programme	TIFR INO Project	National	19 th October 2012
Dr. P.P. Pradyuman, Dept.of Physics	National workshop on Applied Materials and density functional theory	UGC SAP	National	8 th and 9 th March 2012

Dr. Antony Joseph, Dept. of Physics	Modern Trends in Energy Research and Applications	Department of Physics, University of Calicut	National	4 th to 10 th 2013
Faculty, Journalism	Research Methodology	Dept of Journalism	National	March 2010
	Data analysis	Dept of Journalism	National	October 2011
	Image analysis	Dept of Journalism	National	December 2011
	Mass Cum Research Conference	Dept of Journalism	National	January 2012
	Mass Cum Research Conference	Dept of Journalism	National	February 2013
	Mass Cum Research Conference	Dept of Journalism	National	January 2014
Dr. G. Radha-krishna Pillai, Dept. of Life Sciences	Developing New Course of studies	C.H. Chair, University of Calicut	Local	2014
Dr.E. Sree-kumaran, Dept. of Life Sciences	Environmental pollution	Academic Staff College, Goa University.	National	2014
Faculty of Mathematics	Geometry	Dept. of Mathematics	Local	25 th January 2012
	Mathematics and its Applications	Dept. of Mathematics	Local	15 th Feb.2012
	Semi Group and Automata Theory	Dept. of Mathematics	Local	22 nd Feb. 2012
	Boundary value Problems	Dept. of Mathematics	Local	5 th June 2012
	Initial and Boundary value Problems	Dept. of Mathematics	Local	15 th June 2012
	Diagonalization of Linear Operators	Dept. of Mathematics	Local	30 th June 2012

	Groups with no small Subgroups	Dept. of Mathematics		31 st Oct. 2012
	First order PDE	Dept. of Mathematics	Invited Talk	11 th & 12 th December 2012
	Vander-Waerden Theorem	Dept. of Mathematics	Invited Talk	14 th Dec. 2012
	Measure and Integration	Dept. of Mathematics	Invited Talk	19 th & 20 th June 2013
	Analysis	Dept. of Mathematics	Invited Talk	9 th to 20 th Dec. 2013
	Topics in Hilbert Space Operators	Dept. of Mathematics	Endowment Lecture	7 th and 8 th Feb. 2014
	Algebraic Graph Theory	Dept. of Mathematics	Invited Talk	24 th & 25 th Feb. 2014
	Discrete Mathematics	Dept. of Mathematics	National	20 th to 22 nd March 2014
	Differential Equations	Dept. of Mathematics	Invited Talk	14 th May 2014
	Groups with no small Subgroups	Dept. of Mathematics	Local	31 st Oct. 2012
Dr. Sindhu S	National Workshop on Advances in Nano	Dept of Nanoscience & Technology in association with JNCASR , Bangalore	National	27 th & 28 th January 2012
	Frontier Lecture	Department of Nano-science & Technology	Local	16 th Feb. 2011
Faculty, Russian	3- day workshop on Translation across cultures	Department of Russian, University of Calicut	local	18 th to 20 th March 2010
	2- day UGC sponsored Workshop on Translation as Recreation	Department of Russian, University of Calicut	local	21 st & 22 nd March 2011
	3-day workshop on Translation of Chekhov's stories	Department of Russian, University of Calicut	National	24 th to 26 th March 2011
	3-day Seminar cum Workshop on Translation of Tagore's stories	Department of Russian, University of Calicut	Local	27 th to 29 th March 2012

2-day Seminar cum Workshop on Translation of Tolstoy's stories	Department of Russian, University of Calicut	National	6 th to 8 th March 2013
1-day UGC Career Seminar on Comparative Literature: Expanding Horizons and Career Prospects	Department of Russian, University of Calicut	Local	26 th February 2014
5-day UGC Seminar cum Workshop on Indian Literature in the 21 st century: Writers, Themes & Trends and Translation of Contemporary Indian short stories.	Department of Russian, University of Calicut	National	10 th to 14 th March 2014
2-day Workshop on Translation of Contemporary Indian & Western short stories University funded	Department of Russian, University of Calicut	Local	19 th & 20 th March 2014
1-day Seminar on: Comparative Literature: Prospects and New Trends (using fund of UGC Career Cell)	Department of Russian, University of Calicut	Local	17 th August 2014
3-Day National Seminar cum Translation Workshop on Gabriel Garcia Marquez and world Literature	Department of Russian, University of Calicut	National	17 th to 19 th December 2014
2 - Day UGC National conference on "Comparative Folklore and Mythology"	Department of Russian, University of Calicut	National	19 th & 20 th March 2015
3- day workshop on Translation across cultures	Department of Russian, University of Calicut	local	18 th to 20 th March 2010
2- day UGC sponsored Workshop on Translation as Recreation	Department of Russian, University of Calicut	local	2 st and 22 nd March 2011
3-day workshop on Translation of Chekhov's stories	Department of Russian, University of Calicut	National	24 th to 26 th March 2011
3-day Seminar cum Workshop on Translation of Tagore's stories	Department of Russian, University of Calicut	Local	27 th to 29 th March 2012

	2-day Seminar cum Workshop on Translation of Tolstoy’s stories	Department of Russian, University of Calicut	National	6 th to 8 th March 2013
	1-day UGC Career Seminar on Comparative Literature: Expanding Horizons and Career Prospects	Department of Russian, University of Calicut	Local	26 th February 2014
Faculty of Statistics	The Workshop on Statistical Computing and ‘R’ – I	Dept. of Statistics, University of Calicut	National	21 st to 23 rd March 2011
	The Workshop on Statistical Computing and ‘R’ – II	Dept. of Statistics, University of Calicut	National	28 th to 30 th March 2011

