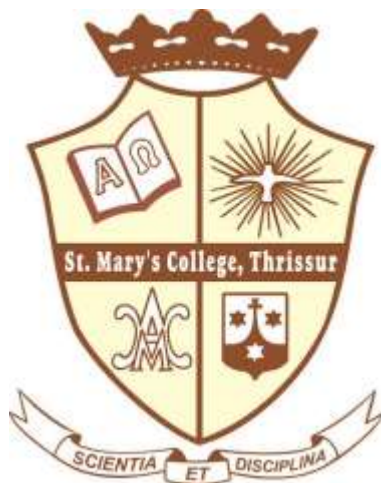




SELF STUDY REPORT (SSR)



ST MARY'S COLLEGE THRISSUR – 20

Submitted

to

**NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL**

December 2014



*The Principal,
St. Mary's College
Thirissur-680 020*

Established in 1946



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Re-accredited at 'A' Grade in 2010 by the NAAC

Letter No. : 498/14

Date : 18/12/2014

To
The Director,
National Assessment and Accreditation Council,
Jnana Bharathi Road, P. B. No. 1075,
Nagarbhavi, Bangalore,
India.
Pin - 560072

Respected Sir/Madam,

Sub : Uploading and Submission of Self-Study Report for 3rd cycle of accreditation

Ref : LOI submitted on 09/10/2014
NAAC Track ID : KLCOGN11890

Greetings from St Mary's College, Thirissur!

It is a great honour for the institution to undergo the 3rd cycle of NAAC accreditation. We would like to intimate you that we are uploading the SSR of the College in our website today, i.e. 18-12-2014. We shall send the SSR on the completion of the one month period stipulated by NAAC. The validity of our previous accreditation expires on 27-03-2015. We would like to request you to kindly schedule the Peer Team Visit in this academic year, before the expiry of the validity period of previous accreditation.

Thanking you,

Yours sincerely,


Principal
PRINCIPAL,
ST. MARY'S COLLEGE
THIRISSUR - 20





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Executive Summary
and
SWOC Analysis



EXECUTIVE SUMMARY

The Congregation of Mother of Carmel pioneered into the field of Higher Education inspired by the educational vision of its founder, Saint Kuriakose Elias Chavara, in the pre-independence period, with the aim of uplifting the women of Kerala by empowering them through education. 68 years ago, in 1946, St. Mary's College was established in the heart of the flourishing business town of Thrissur as the first women's college of Thrissur district. At the time of its inception, the College was affiliated to Madras University, later it was affiliated to Kerala University and finally in 1968 it was affiliated to University of Calicut. By imparting knowledge to young women, the institution has moulded generations of responsible citizens, conscious of their privileged position and their duty to serve the society. The College can legitimately feel proud of her alumnae who are serving the society and the nation in various capacities.

In 1967 due to the increased demand for admission to the courses offered by the institution, the management decided to bifurcate the College and shifted the PG and UG courses to a newly established college at Cheroor about 5 Kms away from the hustle and bustle of the rapidly growing town. This sister institution, Vimala College, is today an A grade college with excellent academic and infrastructure facilities. The CMC Congregation had already established in 1964 another women's College, Mercy College, in Palakkad, a town backward in literacy at the time. This college is also now an A grade college promoting the education of girl children. In 1981 the CMC management established a fourth sister institution, Carmel College, in the remote region of Mala about 40 Kilometres from Thrissur city which is also an A grade college providing quality education to women.

The de-linking of Pre-Degree courses from Higher Education institutions was a critical period in the history of this pioneering College. But the experience and excellence of half a century came to her aid and with great resilience she came out victorious in the struggle for existence and introduced UG and PG courses. Today she can proudly boast of 12 UG, 10 PG, 2 B.Voc and a Ph.D programme. In the rapidly changing global education scenario it is mandatory for Higher Education institutions to keep pace with the advances made in the field of education and research. St. Mary's College has been transforming and adapting at a fast rate to meet the challenges of the hi-tech modern educational system. The College has made giant strides towards excellence since the two accreditations which provided the College with an impetus to introspect, analyze and fortify the strengths and rectify the weaknesses. The College was accredited with B+ grade in 2004 and with 'A' grade in 2010.

The history of the College in the span of five years since its re-accreditation in 2010 shows a tremendous growth in all aspects and spheres of the institution. The number of PG programmes offered has doubled and there is more than 50% growth in the number of UG programmes offered. The College has adopted and internalized modern and innovative pedagogical strategies to enhance the effectiveness of the teaching-learning process. In the field of research too, the College has shown a marked improvement. The number of permanent teachers with Ph. D has doubled after the last accreditation. In the last 5 years a lot of renovation and addition of infrastructure was



done to provide adequate infrastructure facilities for the additional UG, PG, Ph.D. and B.Voc programmes introduced. Individual and institutional support is provided to the students in a variety of ways, as the holistic development of the students is the objective of the institution. The College has always paid attention to the spiritual, moral and intellectual growth of the students. The effective decentralizing administration provided by the CMC nuns has been the key factor in the success of the institution. Over a long period of time the College has initiated and internalized a large number of healthy and best practices that have contributed to academic excellence and overall sterling performance of the institution.

The biggest victory of the College lies in its dynamism to adapt to the changing needs of the society from time to time. Over the years the status of women in Kerala society has changed and there has been a marked increase in the number of working women. Today women students outnumber men in the UG and PG programmes of most colleges in Kerala. Women's education is a top priority in most of the families of Kerala. In this context students are not content with any higher education. They demand quality education that can keep pace with the rapid advances in the field of ICT. The institution as always has risen to the current need and has introduced ICT in governance, day to day administration and teaching-learning.

There is only one aspect that has remained unchanged in the long span of 68 years of imparting education. The College has from the beginning till now given utmost importance to value education. Weekly ethics and catechism classes, annual retreats for all catholic students, Talks and Seminars on ethics, Life Guidance Course for all final year students are some of the healthy practices that have contributed to the strong foundation on which the College rests today. In conformity to its motto the College has given top priority to discipline and has worked for the internalization of a culture of discipline in the lives of her students. The College has also been in the forefront in its commitment to society. One of the first steps in the path of service to the society was the establishment of the Social Service League in 1951. In 1955 Smt. Indira Gandhi visited the College for collecting the Assam Flood Relief Fund. In 1962 the College was awarded the Chief Minister's Trophy for the collection of the highest amount for the Defence Fund in the state. In 1971 the Society for St Mary's College Jubilee Memorial Kudumbakshema Paddhathi was registered with the objective of promoting the welfare of families by making them self-reliant and helping them to live as decent and useful citizens. As part of the Silver Jubilee Celebration 25 houses and as part of Golden Jubilee Celebration 7 houses were constructed for the poor and the needy. A crèche, nursery and a tailoring unit were established at Nadathara for the benefit of local people. The College has continued this tradition of community orientation up to this day. A number of community extension activities for the under privileged sections of the society is being carried out still which will be dealt in detail in Criterion III.

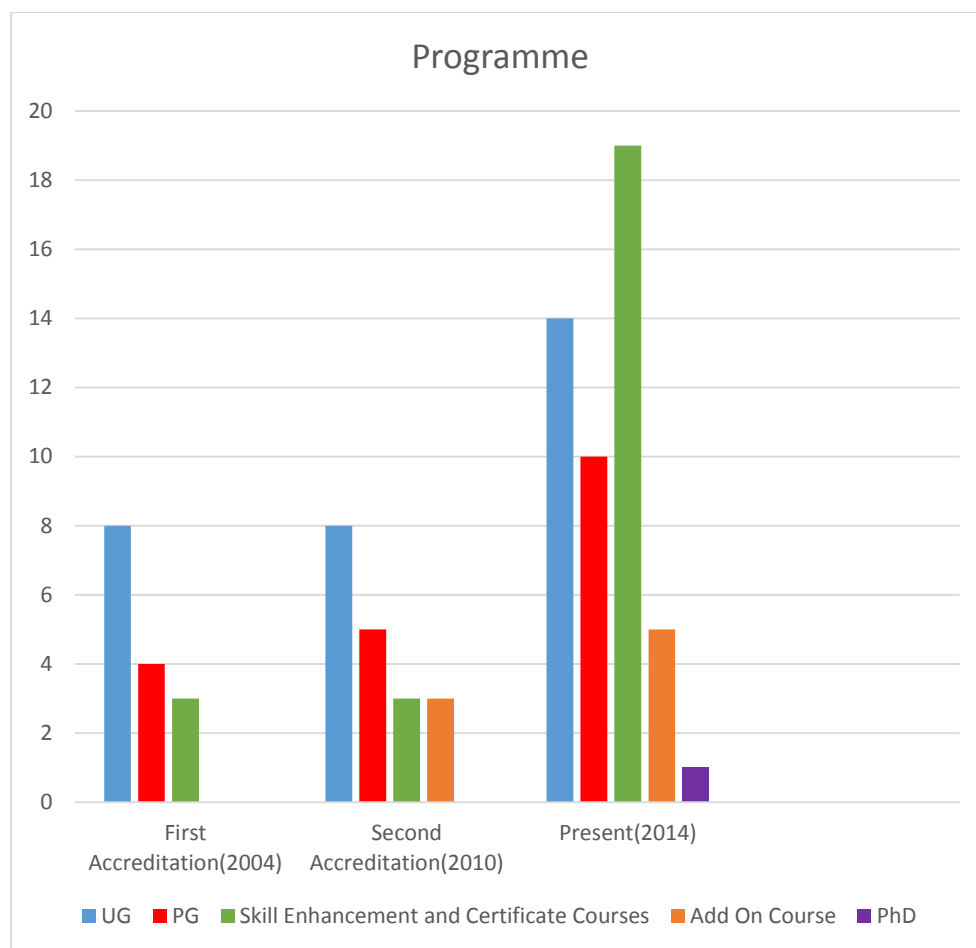
Criterion 1: Curricular Aspects

As a pioneering institution of higher education the College promotes the pursuit of academic excellence and higher education among women. There has been a marked increase in the number of programmes offered by the institution in the past



5 years. While the College was offering 8 UG and 5 PG courses at the time of the last reaccreditation in 2010, currently the College offers 12 UG, 10 PG, 2 B Voc and a Ph.D Programme. In addition to these, 5 UGC Add Ons, 7 Certificate Courses and 6 Skill Enhancement Courses are being offered to equip the students with additional skills.

Graphical representation of Programmes offered



Competitive Examination Coaching, NET Coaching, Talks, Seminars, Workshops, Value Education, Observation of Important Days etc. contribute to the holistic development of the students. Spoken English classes are conducted to enhance competence of students and thus to ensure employability. With the introduction of Choice Based Credit Semester System for UG and PG programmes greater flexibility has been imparted to the students in the choice of subjects. Open Courses, Electives and Complementary Courses give the students a wide range of options to choose from. Topics of current relevance like Gender, Environment, Informatics, Human Rights etc. have become a part and parcel of the syllabus of all UG programmes. Project work is mandatory for all UG and PG programmes. Linkage with industries and project work done at industries and research institutions help the students earn first-hand knowledge



of industry and thus gain more orientation in their field of study. Interdepartmental and Intercollegiate programmes, competitions and exhibitions are organized which echo the spirit of gender sensitization, environment protection, observation of human rights and the like. Various programmes are organized to sensitize the students in current issues and make them responsible and responsive to social issues. The new initiatives and programmes that have been introduced on the basis of the feedback from all the stakeholders are adequate to empower young Marians.

SWOC Analysis

Strengths

- Diverse research oriented and career oriented UG and PG programmes
- Clearly stated Vision and Mission
- Add Ons, Certificate courses and Skill Enhancement courses to enrich the curriculum
- Institutionalized practice of Value Education
- Gender Sensitization and Environment Conservation Awareness Programmes
- Well-developed feedback system on curriculum

Weakness

- No autonomy in designing the curriculum
- Delay in conducting University examinations

Opportunity

- Innovative methods in curriculum transaction
- Multidisciplinary approach to enrich the curriculum

Challenges

- Majority of the courses are self-financing
- Time constraint in transacting the curriculum

Criterion 2: Teaching-Learning and Evaluation

The College has a transparent admission process. To encourage diversity in our student profile, quota for students from backward communities, minorities etc. are filled according to the Government and University rules. Thus students with excellent academic credentials as well as first generation learners from disadvantaged sections of the society seek admission to the institution. Sport students are attracted to the institution as they are admitted to the course of their choice and are offered fee concession, special nutritious food, free hostel accommodation, special provisions for coaching etc. In Self-financing programmes, students from the socially backward sections who top the merit list are given financial support from the Government.



Deserving students have an option to remit the fee in installments. Some students are also sponsored by well-wishers. The social, economic and geographical profile of the applicants is considered for admission to seats under management quota. Needy students are also informed and supported by Government scholarships, Institutional freships and other schemes for food and accommodation in the hostel. There is a great demand for our programmes due to the disciplined atmosphere, good academic output and general atmosphere conducive to learning that is prevalent in the campus.

Orientation Programmes and Bridge Courses are conducted with the objective of bridging the gap in the subject knowledge of the newly admitted students. Enrichment Programmes like Walk with Scholar (WWS), Scholar Support Programme and Skill Development Programmes like ASAP, UGC Add Ons, Certificate courses etc. are offered by the institution. These new-age programmes have a well-charted curriculum and are taught by well-qualified faculty. Value Education, Life Guidance Course, Annual retreats, Programmes on Personality Development and Stress Management techniques etc. are organized for the benefit of all students. Learning is made more student-centric by making it more participatory and interactive through group discussions, field survey/field work, role play and academic debates. Co-curricular and cultural events help students in chiseling out their personality. Tutorial and Mentoring address the individual needs of the students. Slow and Advanced learners are identified and appropriate measures are taken according to their ability. Students with disability are provided with assistance as per their needs. Visually challenged students are provided with Braille study materials and Scribe for writing examinations. Counselling is available in the campus to address problems related to stress, anxiety, examination phobia, peer pressure etc. To develop research aptitude, students undertake research projects and visit research institutions. Research Forum arranges Talks by eminent researchers. The College celebrates National Science Day every year with Talks, Seminars, and various competitions to inculcate in the students a scientific temper. To mould young women into well-developed personalities, Women Cell organizes gender sensitization programmes and Bhoomitrasena club organizes programmes to increase awareness about environmental issues. All students participate in Compulsory Social Service Scheme of Calicut University and are encouraged to help out each other both financially and academically. The Placement Cell acquaints students of various career options and encourages them to take charge of their career development.

Evaluation process is done in a time bound and transparent manner and the result is displayed on the student notice board. In case of any grievance students may approach the Grievance Redressal Cell. Matters relating to University results including withheld results, grades published wrongly etc. are solved by intimating the University and remedial measures being taken.

The College has 14 Smart class rooms, 2 Computer labs, 2 Browsing centres, a Multipurpose Computer Centre with Language Lab facility and 5 Seminar halls with audio-visual equipments. The Science and Computer Science laboratories are well equipped. The College also has a well-equipped, fully automated library with a



separate section for Reference Books, Text books and CD ROMs. E-resources are hosted through N-LIST service of the INFLIBNET. Free internet facility is available to the staff and students.

SWOC Analysis

Strengths

- Highly qualified faculty
- Transparent admission process
- Diversity of student community
- Bridge /Remedial Courses
- Tutorial and Mentoring
- Systematically maintained Teachers' Diary
- Student Centric Learning
- ICT enabled Teaching-Learning
- Continuous Evaluation
- Good Academic results

Weakness

- Delay in University examination evaluation

Opportunity

- Innovative methods of transacting the curriculum

Challenge

- Increased demand for professional courses
- Low percentage of Entry level marks

Criterion 3: Research, Consultancy and Extension

Research and consultancy are two areas in which the College lagged behind at the time of the first two accreditations. But the efforts of the management in the post accreditation phase to inculcate a research attitude in the faculty and students has paved the way for a marked increase in research and consultancy in the institution. Realizing the role of research in enhancing the relevance of the College in the global scenario, the management adopted the policy of recruiting faculty with Ph.D or doing research. The College publishes an annual referred journal “Annals of Basic and Applied Sciences”. The Department of Mathematics was recognized as a Research Centre in 2011 and two of the faculty in the Department, Dr. Sr. Magie Jose and Dr. Parvathy K S are registered guides of the Centre. Five research scholars are carrying out research under them. Dr. Regi Raphael of the Department of Botany is a research guide under Bharathiar University. 15 Minor projects were granted to the faculty in the last 4 years. Popularisation of Science Project of KSCSTE has been granted to Sr.



Dr. Meena K Cheruvathoor of the Department of Botany and she has been actively propagating the benefits of medicinal plants to the society. Smt. Krishna K Yathi of the Biotechnology Department has two patents to her credit in the field of Molecular Biology.

The research findings of the faculty have been contributing to the improvement of products which in turn have benefited the society. There are 126 Journal publications and 188 Conference Papers by faculty in the last 4 years. 5 Books and 9 chapters in various books have been published by faculty. Many of the programmes introduced like Biotechnology and Microbiology are research oriented and these departments have great opportunity for research and consultancy. 8 UGC sponsored National Seminars were organised in the last 4 years. Research motivational Seminars and Talks are conducted by the Research Committee to promote research in the faculty and the students. Dr. Litty Mathew Irimpan, HOD, Dept. of Physics, was awarded the 'Leading Scientist of the World' 2012 by International Biographical Centre, UK. The valuable contributions of our former Principal, Sr. Dr. Rani George, towards the promotion of a research culture in the College was acknowledged through the institution of an endowment fund of Rs.1 lakh for conducting an Endowment Lecture and a National Level Paper Presentation Competition annually.

The College has been in the forefront in its commitment to the society from the very beginning. The adoption of Nadathara Village and the setting up of a crèche and tailoring unit with assistance from the Kerala State Social Welfare Board, the Jubilee Memorial St. Mary's College Kudumbakshema Paddahati, CASP etc. are milestones in this area. The College continues with this tradition of service and has many community extension projects. St Mary's Square Outreach Sponsorship Programme which aims at the adoption and holistic development of 40 under privileged children of St Mary's Convent UP School Chiyaram, Blood Donation programme of Biotechnology Department, *Santhwana Sparsham*, the Organ Donation Awareness Programme of English Department, *Vatsalyam*, Serve the Poor and the Needy Programme of Economics Department, Computer literacy to 13 Communities inside and outside the College by Computer Science Department, Pain and Palliative Care by History Department are all programmes designed to reach out to the less fortunate and lend them a helping hand. The introduction of Bachelor of Social Work has provided an impetus to the community oriented activities and an MOU is being signed by the College with Kolazhy Panchayat by which the College will be adopting Kolazhy Panchayat and converting it to a Child Friendly Panchayat. The Department of Botany has undertaken various projects like cleaning a public well, Popularization of Science and distribution of medicinal plants to various sections of the society.

SWOC Analysis

Strengths

- Research Committee and Research Forum
- Research Centre for Mathematics
- Large number of National and International publications.
- Large number of minor projects
- Research Journal with ISSN number published every year



Weakness

- Less number of research centres

Opportunity

- Motivate faculty and students to do research
- Encourage PG students to take up projects in research institutes and the industry

Challenge

- Balancing research, academic and administrative activities

Criterion 4: Infrastructure and Learning Resources

The College is a role model for all institutions with space constraint on the optimal utilization of infrastructure. The strategic location of the College in the heart of Thrissur city is both a bane and a boon. The central location of the College provides ample transport facilities. But the unavailability of land for expansion and the ancient buildings built before the Kerala State Building Rules came into being prevent demolition and construction of new buildings. Hence the only way to augment the infrastructure is through renovation and restructuring. Hence a mega renovation of the Old Hostel was undertaken after the completion of the construction of the new hostel. The introduction of 11 new programmes had brought about an acute shortage of class rooms which was solved through the renovation of the Old Hostel to provide 36 classrooms, 3 Seminar Halls, a Gym and 4 department staff rooms. Another area which needed expansion was the infrastructure for sports and games, as the land available for the practice of various sports and games was inadequate. In 2010, 1.76 acres of the land was acquired about 1.5 kms from the main campus for the construction of sports and games courts and an indoor stadium. Microbiology and Biotechnology Labs were renovated to provide better infrastructure facilities, and the Chemistry and Botany Labs were restructured for the introduction of PG Labs. A Tissue Culture Lab, a Project Lab and a Psychology Lab and an Instrument Room were newly constructed. The St. Joseph's Block has been renovated to provide a Research Centre, a Multipurpose Computer Centre and a Browsing Centre. 2 Examination Halls and 2 Seminar Halls with ICT facility were also added for the smooth conduct of examinations and enrichment programmes. The New Hostel completed in 2010 is spacious, well ventilated and clean, and provides accommodation for both staff and students. Security of the students is ensured in the campus and the hostel. There are 3 Biogas Plants and 3 Rainwater Harvesting pits for waste management and conservation of water resources. Herbal and Medicinal gardens, a Vertical garden and a Butterfly garden were setup to provide greenery in the campus. 14 Classrooms have been upgraded to Smart Classes to make the teaching learning ICT enabled. The fully automated, well stocked and user friendly library is one of the main attractions and sources of knowledge of the College.



SWOC Analysis

Strengths

- Adequate infrastructure facilities
- Optimal use of infrastructure
- Central computing facility with intranet and internet connectivity
- Well-equipped computer and science laboratories
- Good library
- Accounts audited regularly and well maintained
- Regular maintenance of infrastructure

Weakness

- Uneven terrain which is not friendly to students with physical disabilities
- Old main building

Opportunity

- Vertical expansion

Challenge

- Space constraint

Criterion 5: Student Support and Progression

Keeping in tune with the Vision and Mission of holistic development of young women for overall excellence and commitment towards society, the College has been in the forefront in organising various programmes and activities for the upliftment of students. The College ensures that all its activities and facilities be made known to the stakeholders through its Academic Calendar, Prospectus, Website and Newsletter. The College has been catering to the needs and requirements of the students of different sections of the society and with different abilities by offering scholarships, financial support and freeships. Apart from Government aided scholarships and other financial support, the College has the institutional practice of offering freeships and financial support to the deserving. Remedial Coaching, Peer teaching, Tutoring, Mentoring and Counselling offer scope for all round development of students. The activities of NSS, NCC, Jesus Youth, AICUF, Clubs and Forums provide ample scope for students to participate in different curricular, co-curricular and extracurricular activities and develop their skills and talents. Students have secured prizes in National, State and Intercollegiate level competitions. Our Sports stars are known for their glittering performance in International, National, Interuniversity, State and Intercollegiate competitions. Career Guidance and Placement Cell organizes career guidance sessions, provides career counselling and placement initiatives. UPSC, PSC, NET and



Entry into service programmes provide training in different competitive examinations. The College has good pass percentage and completion rate for different disciplines. Fifty percent of the UG students progress to post graduation and twelve percent to other UG Programmes. Students are represented in important academic and administrative bodies like IQAC Core Committee, Anti Ragging and Grievance Redressal Cell. College is proud of its active and vibrant alumnae who organize, support and participate in the activities of the College. Our alumnae occupy prominent positions and are the recipients of different awards.

SWOC Analysis

Strengths

- Effective Tutorial and Mentoring
- Caters to the needs of students of diverse sections of society and with different abilities
- Motivation, support, training to participate in sports, games, co-curricular and extracurricular activities
- PSC and NET Coaching
- Exhibitions as part of Earn While You Learn
- Effective academic, personal, career and psycho-social Counselling
- Career Guidance Talks, Seminars and Orientations
- Ethics Committee –Grievance Redressal Cell, Anti Ragging Cell, Disciplinary Action Committee
- Endowments and Scholarships by Management, Staff, Students, Elder St. Marians, SMART and Well Wishers
- Scholarships and financial support by Government and other agencies
- Clubs and Forums as a platform to express student talents and abilities
- Active and vibrant Alumnae Association – Elder St Marians
- College Magazine and Website
- Student Union with a positive attitude
- Supportive SMART
- New Competitions to foster skills of students
- Formal and effective Feedback System

Weakness

- Lack of out-station students
- Time constraint in organising more activities and programmes

Opportunity

- Organise more Intercollegiate, State Level and National Level Competitions
- Introduce innovative programmes
- Increased exposure of students to other institutions



Challenges

- Increased demand for professional courses

Criterion 6: Governance, Leadership and Management

The CMC Nirmala Province which governs the College has 74 educational institutions of good reputation, efficient administration and academic excellence to its credit. The vast experience in the field of education has given the management the necessary vision to plan in advance and to execute in a timely fashion the academic and administrative needs of the College. The College is a missionary institution with a well-defined Vision and Mission of empowering young women. The decision making body of the institution is the Governing Body which is assisted by two other committees, the Education Committee and the Local Management Committee. Internal coordination is effectively implemented by the Principal in consultation with the College Council and IQAC. Participatory management is adopted with the faculty being given the charge of the various committees for staff and student development. The systematically organized hierarchical structure of the CMC Management ensures effective leadership at all levels of administration. The Head of the Department coordinates the activities of the department and represents the department in the College Council. The IQAC spearheads the developmental activities of the institution and works for the enhancement of the quality of the college. Faculty Development Programmes are organized every year to encourage the faculty to develop their academic, administrative and leadership potential. Financial resources are effectively utilized to provide a good academic ambience and a clean and green campus suitable for the holistic development of the students.

SWOC Analysis

Strengths

- Vision, Mission statements in agreement with the objectives of higher education
- Participatory management with various committees assisting the Principal
- Effective utilization of resources

Weakness

- Lack of autonomy

Opportunity

- Effective leadership provided by Management which facilitates rapid growth of the institution towards excellence and quality



Challenge

- Financial constraints
- Shortage of permanent staff

Criterion 7: Innovations and Best Practices

The College has internalized and institutionalized a number of Healthy and Best Practices which have paved the way for an academic ambience conducive to learning in the institution. Regular and systematic administration, recruitment of highly qualified faculty, clean, beautiful and well maintained campus, a disciplined atmosphere, constant upgradation and maintenance of infrastructure, Tutorial, Mentoring, well developed Institutional Social Responsibility, Value Education and participatory management are some of the healthy practices that the College has been implementing since its inception. To keep pace with the modern educational scenario the College has introduced a number of innovative programmes designed to make teaching-learning more student centric and ICT enabled and to create environment consciousness in the students.

The College has organized a number of seminars, talks, exhibitions, demonstration classes, awareness classes, competitions, surveys and presentations as part of the urge to conserve and preserve nature and its precious resources. Green audit is done in the campus under the initiative of Department of Botany to evaluate the measures undertaken by the College in protecting the environment and limiting the use of non-renewable resources. Use of Solar Water Heaters, Rain water harvesting, setting up and maintenance of RET, Herbal, Fern, Orchid and Botanical Gardens. Seedling production and distribution, effective waste management, vermi compost pit and use of incinerators are the highlights of measures to protect the environment and for biodiversity conservation. The College has initiated a cleanliness drive *L' Aria Fresca* to ensure a clean campus and premises. Each Department has a set of best practices which has a positive impact on the institution. A number of new initiatives were introduced in the post accreditation phase to improve the performance of the institution as a whole.

SWOC Analysis

Strength

- Institutionalized Healthy Practices
- Internalised Best Practices
- Innovative practices for Quality Enhancement
- Introduction of eco-friendly initiatives

Weakness

- Paucity of funds



Opportunity

- Introduction of energy conservation measures

Challenge

- Time and Space constraints
- Less number of permanent staff



Profile
of
The Institution



Profile of the Institution

1. Name and Address of the College:

Name :	St. Mary's College	
Address :	College Road	
City : Thrissur	Pin : 680020	State : Kerala
Website :	http://www.stmaryscollegethrissur.edu.in/	

2. Address for Communication:

Designation	Name	Telephone STD Code 0487	Mobile	Fax	Email
Principal	Sr. Dr. Jacinta C.C	O: 2333485 R: 2331137	09446513485	0487 2334785	smctsr@ gmail.com
Vice Principal	Sr. Mary K P	O: 2333485 R: 2331137	09846442456		smctsr@ gmail.com
Steering Committee Coordinator	Dr. Josepheni Joseph	O: 2333485 R: 2332149	08893752415		joseygeorge1 @hotmail.com

3. Status of the Institution

Affiliated College	<input checked="" type="checkbox"/>
Constituent College	<input type="checkbox"/>
Any other (specify)	<input type="checkbox"/>

4. Type of Institution

a. By Gender

For Men	<input type="checkbox"/>
For Women	<input checked="" type="checkbox"/>
Co-Education	<input type="checkbox"/>

b. By Shift

Regular	<input checked="" type="checkbox"/>
Day	<input type="checkbox"/>
Evening	<input type="checkbox"/>

5. Is it Recognised Minority Institution?

Yes No

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



6. Sources of funding:

Government	
Grant-in-aid	√
Self-financing	
Any other	

7. a. Date of establishment of the college : 07/07/1946

b. University to which the college is affiliated :

University of Calicut

c. Details of UGC recognition:

Under Section	Date, Month & Year	Remarks(If any)
i. 2 (f)	14-11-1983	-
ii. 12 (B)	14-11-1983	-

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

d. Details of recognition/approval by statutory/regulatory bodies other than UGC - NA

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

Yes No

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

Yes No



9. Is the college recognised?

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

Yes No

b. for its performance by any other governmental agency?

Yes No

10. Location of the campus and area in sq.mts:

Location *	Urban
Campus area in sq. mts.	22096
Built up area in sq. mts.	10153

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

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

- Auditorium ✓ / Seminar Complex with infrastructural facilities ✓ (5)
- Sports facilities
 - * Play Ground ✓
 - * Swimming Pool
 - * Gymnasium ✓
- Hostel
 - * Boys' Hostel – NA



* Girls' Hostel

- i. Number of Hostels – 1
- ii. Number of inmates – 215
- iii. Facilities (Mention available facilities)

Staff Rooms: 8, Student Rooms: 61, Prayer Room: 1, Parlour: 1, Guest Room: 1, Mess hall: 1, Recreational Room: 1, Study hall: 2, Reading Room: 1, Sick Room: 1, Kitchen: 1, Store Room: 1, Yoga Practice Area, Laundry Area, Toilets: 45, Bath Rooms: 65, CCTV Camera: 24, Well: 1, Bore Well: 1, Water Purifier: 1, Rain water harvesting pit: 2, Water Cooler: 1, Solar water heater: 1, Bio-gas plant: 3, Deep Freezer, Incinerator: 3, Inverter and Gardens.

* Working Women's Hostel: Nil

- Residential facilities for teaching and non-teaching staff

Residential facility available for teaching and non-teaching staff in the hostel and in the Staff Quarters.

- Canteen – 1
- Health Centre

* First aid, Inpatient, Outpatient, Emergency Care Facility, Ambulance....

First aid facility and a Sick Room are available in the College campus. As the College is situated in the heart of Thrissur city, a number of hospitals are there within 1 Km radius for emergency care.

* Health Centre Staff – Nil

- Facilities like banking, post office, book shops: Nil
- Transport facilities to cater to the needs of students and staff :

There is excellent public transport facility to the College as it is situated in the heart of Thrissur city. Many students opt for the College due to the easy access to the College. The College has a mini bus which is used for transporting students for the purposes of tours and visits.

- Animal house – Nil



- Biological waste disposal ✓
 - * Biogas Plants – 3
- Generator or other facility for management/regulation of electricity and voltage
 - * Indoor Type High Tension Cast Resin Transformer 250 KVA – 1
 - * Generator – 4
 - * Capacitor panel 70 KVAR - 1
- Solid waste management facility ✓
- Waste water management ✓
- Rain Water harvesting ✓

12. Details of programmes offered by the College (Give data for current academic year)

Sl. No.	Name of the Programme/ Course	Duration	Entry Qualification	Sanctioned Student Strength	No. of students admitted
UG					
1	History	3 yrs	+2	60	60
2	Economics	3 yrs	+2	60	60
3	Mathematics	3 yrs	+2	48	48
4	Botany	3 yrs	+2	36	36
5	Chemistry	3 yrs	+2	45	45
6	Biotechnology	3 yrs	+2	30	32
7	Microbiology	3 yrs	+2	36	36
8	Computer Science	3 yrs	+2	30	29
9	English	3 yrs	+2	24	22
10	Commerce	3 yrs	+2	40	40
11	Business Administration	3 yrs	+2	40	33
12	Social Work	3 yrs	+2	24	15
13	B.Voc in Multimedia	3 yrs	+2	50	21



14	B.Voc in Software Development	3 yrs	+2	50	33
PG					
1	Mathematics	2 Yrs	UG	20	20
2	Biotechnology	2 Yrs	UG	12	10
3	Microbiology	2 Yrs	UG	12	8
4	Computer Science	2 Yrs	UG	12	8
5	History	2 Yrs	UG	20	20
6	Economics	2 Yrs	UG	15	4
7	Psychology	2 Yrs	UG	12	8
8	Commerce	2 Yrs	UG	15	15
9	Chemistry	2 Yrs	UG	12	12
10	Botany	2 Yrs	UG	12	12
Ph.D					
1	Mathematics	-	PG	10	5
UGC Add Ons					
1	Interior Designing and Architecture	30 hrs	+2	40	36
2	Bio informatics	30 hrs	+2	40	32
3	Communicative English	30 hrs	+2	40	40
4	Yoga and Health Management Science	30 hrs	+2	40	40
5	Plant Tissue Culture	30 hrs	+2	40	39
Certificate Courses					
1	Good Laboratory Practices	30 hrs	+2	36	36
2	Mushroom Cultivation Techniques	30 hrs	+2	36	36
3	Geomath	30 hrs	+2	48	48
4	Food & Nutrition	30 hrs	+2	37	37
5	LEAP	30 hrs	+2	40	40



6	Management and Communication (SAMVAD)	30 hrs	+2	35	36
7	First step to Accounting	30 hrs	+2	58	58
8	Multimedia	30 hrs	+2	35	35
UG Diploma					
1	B.Voc in Multimedia	1yr	+2	50	21
2	B.Voc in Software Development	1yr	+2	50	33
Any Other (Skill Enhancement Courses)					
1	MS Office	30hrs	+2	28	28
2	Multimedia Communication	30hrs	+2	35	35
3	Tailoring	30hrs	+2	52	52
4	Handicraft Making and Cosmetology	30hrs	+2	76	76
5	Advanced Communicative English	30hrs	+2	36	36
6	Driving	30hrs	+2	27	27

13. Does the college offer self-financed Programmes?

Yes No

If yes, how many?

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

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Number	12
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15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)



Faculty	Departments	UG	PG	Research
Science	Mathematics	√	√	√
	Botany	√	√	-
	Chemistry	√	√	-
	Biotechnology	√	√	-
	Microbiology	√	√	-
	Computer Science/ Applications	√	√	-
	Psychology	-	√	-
Arts	History	√	√	-
	Economics	√	√	-
	English	√	-	-
	Social Work	√	-	-
Commerce	Commerce	√	√	-
Any Other (Specify)	BBA	√	-	-
	B.Voc	√ (2)	-	-

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

a) Annual system	-
b) Semester system	24
c) Trimester system	-

17. Number of Programmes with

a) Choice Based Credit System	24
b) Inter/Multidisciplinary Approach	-
c) Any Other	-

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

Yes No

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

Yes No



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

Positions	Teaching faculty				Non-Teaching Staff		Technical Staff	
	Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F				
Sanctioned by the UGC/ University/ State Government	-	7	1	33	1	18	1	-
Recruited	-	7	1	30	1	16	1	-
Yet to recruit	-	-	-	3	-	2	-	-
Sanctioned by Management	-	-	1	57	1	21	1	3
Recruited	-	-	1	57	1	21	1	3
Yet to recruit	-	-	-	-	-	-	-	-

*M – Male, *F – Female

21. Qualifications of the teaching staff:

Highest Qualification	Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	
Permanent teachers					
Ph.D.	-	5	1	16	22
M.Phil.	-	2	-	3	5
PG	-	-	-	11	11
Temporary teachers					
Ph.D.	-	-	-	-	-
M.Phil.	-	-	-	6	6
PG	-	-	1	44	45
Part-time teachers					
Ph.D.	-	-	-	-	-
M.Phil.	-	-	-	-	-
PG	-	-	-	7	7

22. Number of Visiting Faculty engaged with the College.

18



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

Categories	2010-11		2011-12		2012-13		2013-14	
	*M	*F	*M	*F	*M	*F	*M	*F
SC	-	47	-	52	-	60	-	57
ST	-	2	-	1	-	1	-	6
OBC	-	145	-	119	-	146	-	147
General	-	209	-	219	-	283	-	304
Others (OEC)	-	5	-	7	-	5	-	5

*M – Male, *F – Female

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

Type of students	UG	PG	Total
Students from the same state where the College is located	504	117	621
Students from other states of India	-	-	-
NRI students	4	-	4
Foreign students	-	-	-
Total	508	117	625

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

UG PG

26. Unit Cost of Education

a) Including the salary component
b) Excluding the salary component

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

Yes No



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

Sl. No	Department	Student Teacher Ratio	
		UG	PG
1	History	60:1	20:1
2	Economics	60:1	10:1
3	Mathematics	48:1	10:1
4	Botany	36:1	6:1
5	Chemistry	24:1	6:1
6	Biotechnology	25:1	8:1
7	Microbiology	18:1	12:1
8	Computer Science and Applications	27:1	8:1
9	Commerce	30:1	10:1
10	English	21:1	-
11	Business Administration	40:1	-
12	Social Work	24:1	-
13	Vocational Studies (2 Batches)	25:1	-
14	Psychology	-	8:1

29. Is the college applying for

Accreditation: Cycle 1 Cycle 2 Cycle 3 Cycle 4

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

Cycle 1: (04/11/2004) Accreditation Outcome/ Result : B+ Level

Cycle 2: (28/03/2010) Accreditation Outcome/ Result : A Grade

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

191

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

188

33. Date of establishment of Internal Quality Assurance Cell (IQAC)

IQAC: 15/02/2005



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

AQAR (i)	10/04/2013
AQAR (ii)	28/09/2012
AQAR (iii)	27/06/2014
AQAR (iv)	11/08/2014



Criteria – wise Analytical Report



CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

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

The College is one of the premier institutions established in 1946 and managed by the CMC Educational Society of Nirmala Province of the Congregation of the Mother of Carmel under the jurisdiction of the Roman Catholic Church of Thrissur Archdiocese. According to CMC Educational Policy, 'Education is a sacred call aiming at the pursuit of intellectual and professional excellence transforming a human being for the service of society and nation'.

Vision

Our Vision is the holistic development of young women through academic excellence, intellectual, moral and spiritual growth to equip them for service to society and mould them as responsible citizens.

Mission

We envisage to groom young women as agents of love, justice and peace through love of God, pursuit of knowledge, moral integrity and social responsibility. We dedicate ourselves to inculcate in young Marians deep-rooted commitment to society and build a society which promotes faith, religious harmony and national integration.

Motto

The Motto of the College "*Scientia et Disciplina*" i.e., "Knowledge and Discipline" encompasses the twin aspects of personal growth that are necessary for overall development. The College stands for the holistic development of young women through education which focuses on the following Core Values:

- Love of God
- Academic Excellence
- Moral Values
- Woman Empowerment
- Service to Society and Nation

The very functioning of the institution is in tune with the Vision and Mission. The Vision and Mission of the College are communicated through the Institutional Website, Prospectus and College Calendar. They are also displayed at prominent places inside the campus. An orientation is given to the newly appointed staff on the CMC Education Policy by the Manager. Booklets of the CMC Education Policy are also given to them. The Principal reiterates the aims and objectives of the institution



at the beginning of each academic year. An Orientation is given to the parents and first year students on the opening day of the UG and PG Programmes. The Vision and Mission of the College and of the departments are also communicated to the students in the tutorial hours. Information on Vision and Mission is disseminated through Parent Teacher Meetings and meetings of Elder St. Marians which remind them of their role as stakeholders of the institution.

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

The Principal in consultation with the Vice Principal and the College Council plans the academic, co-curricular and extracurricular activities. An Academic Calendar and an Action Plan are prepared at the onset of the academic year based on the University Academic Calendar. The departments prepare their timetable and action plan according to College Calendar. The syllabus is divided among the faculty according to their respective areas of specialization. Departments discuss and Plan teaching strategies for the effective implementation of curriculum. Individual teachers prepare a monthly teaching plan to organize the teaching process. Seminars, Workshops and Extension lectures by subject experts are organized to supplement the curriculum transaction. ICT enabled teaching and innovative teaching methods like Audio classes are effectively used to make the curriculum up-to-date.

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

Orientations, Refresher Courses and other Short Term Courses and Workshops are organized by the University to equip the teachers with the latest trends in their respective disciplines. The College also conducts Seminars, Workshops and Orientations and provides the faculty practical training in the use of ICT aided teaching and motivates them to introduce innovative methods to diversify the curriculum. INFLIBNET facility which gives the faculty access to e-books and e-journals is also provided.

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

Even though the curriculum is designed by the University, the College takes utmost care in delivering the curriculum in the most effective and systematic manner. Annual academic plan is designed taking into consideration the effective curriculum delivery and transaction. The general time table is prepared by the Time table Committee based on which the departments prepare the Time table for the academic year. The Head of the Department in consultation with the faculty divide the syllabus and allots it to each faculty. The Management takes initiatives for uninterrupted execution of the teaching-learning process. The integration of technology into the teaching-learning process is a



priority of the institution. Staff vacancies are filled on time for uninterrupted teaching learning process. The institution also organizes seminars and other training programmes to give better exposure to students and teachers. A networking with colleges in the neighborhood helps the faculty members to exchange ideas on the curriculum.

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

The institution has a networking with industry and research institutes. Students are taken on industrial visits to get first-hand knowledge of their subject of study. The B. Voc programmes introduced in the current academic year are designed in collaboration with the industry. The industrialists will train the students, provide expert classes, and involve in their live projects. The Department of Computer Science in association with Start up Village, an entrepreneurship promotion venture of the Government of Kerala, organized a State Level Seminar for developing the entrepreneurial skills of the students of the region. The Departments also motivate final year students to take up projects in industries. The students of Computer Science Department have taken up projects in Startup Village, Kochi and students of Departments of Biotechnology and Microbiology have also taken up projects in the industry. The Department of Botany in collaboration with Oushadi Pharmaceuticals Corporation has set up a Herbal garden in the College. Faculty and students also avail the library and research facilities of other institutions like the University of Calicut, John Mathai Centre, CDS, Thiruvananthapuram, Kerala Sahitya Academy, Government Sanskrit College, Thripunithara, CUSAT and so on.

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

Our faculty have contributed to the development of the curriculum in many ways. A feedback was taken from all the faculty on the newly introduced semester system and many of the suggestions for reform were implemented. The syllabus of all the programmes were revised and the grading system was reformed on the basis of the feedback. The faculty who are Board members are actively involved in the design and revision of the curriculum. Smt. Reena A R is a member of the Steering Committee of the B.Voc programme of Calicut University. Our faculty are also represented in the Board of Studies of autonomous colleges. Dr. Hemamalini M is a member of the Board of Studies of Malayalam at St. Thomas College, Thrissur, an autonomous college. Some of the faculty members attended meetings organised in connection with revision and modification of curriculum. Based on the feedback from the students, parents and teachers, the Heads of Departments formally request the University authorities for changes and additions in the curriculum. Suggestions with regard to curriculum is



informally informed to the Board of Studies by the faculty. The Principal considers it as her responsibility to convey the needs of the departments and College to the concerned authorities through the Principals' meet and other interactive sessions in the University. Faculty members also participate in Board meetings of Practical Examinations, Viva Voce etc. and provide necessary suggestions.

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

The Skill Enhancement Cell gives direction to the Departments to organize different Skill Enhancement and Certificate Courses. The UGC Add-On Courses are provided based on demand.

Add-Ons, Certificate Courses and Skill Enhancement Courses were introduced taking into consideration the demand and needs of the students. The curriculum for the Add-Ons and all the departmental Certificate Courses and Skill Enhancement Courses are designed and developed by the departments. The duration, fee structure, examination schedule, faculty credentials etc. are planned in advance to meet the requirements of the courses.

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

Formal and informal feedbacks are obtained from all the stakeholders on different aspects of curriculum and its transaction and remedial measures are undertaken wherever necessary to ensure that the stated objectives of the curriculum are achieved. Continuous evaluation and various competitions organized on the subject help in making sure that the curriculum has been transacted effectively.

1.2 Academic Flexibility

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

Certificate Courses

SL No	Department	Programme	Objective	Duration	
				From	To
1	Economics	<i>Money Manthra</i>	<ul style="list-style-type: none"> To make students aware of the latest advancements in Banking and Management 	2010-11 Only	
		First step to Accounting	<ul style="list-style-type: none"> To provide better Career Opportunities To provide skills of accounting 	2011-12 onwards	



2	Botany	Food and Nutrition	<ul style="list-style-type: none"> To provide students With knowledge, understanding and skill in appropriate aspects of food and nutrition To develop cooking skill in girls To study the factors affecting the acceptability and quality of food 	2010-11 onwards
3	Commerce	LEAP	<ul style="list-style-type: none"> To make students industry ready To make students fine-tuned to finishing school skills 	2013-14 onwards
4	Chemistry	Good Laboratory Practice	<ul style="list-style-type: none"> To improve laboratory skill To teach safe working in the laboratory 	2012-13 onwards
5	Mathematics	Geo Math	<ul style="list-style-type: none"> To give an awareness on applications of Analytic Geometry 	2011-12 onwards
6	Computer Science /Application	SAMVAD	<ul style="list-style-type: none"> To develop communication skills of the students. To communicate effectively in interviews and the working environment To improve self confidence 	2010-11 onwards
		e-Vidya Government certificate course	<ul style="list-style-type: none"> Job oriented Give basic computer awareness to students 	2011-12 only
7	Bio technology	Clinical Biochemistry	<ul style="list-style-type: none"> To Provide an awareness about the lab works in hospitals and clinics 	2010-11 onwards
8	Microbiology	Mushroom cultivation techniques	<ul style="list-style-type: none"> Identification and Classification of different varieties of edible mushrooms The technique used in the culture of edible mushrooms Knowledge of technique of Harvesting of Mushroom 	2010-11 onwards

Skill Enhancement Programmes

SL No	Departments	Programmes	Objectives	Duration	
				From	To



1	Economics	Handicraft Making	<ul style="list-style-type: none"> • Hands on practice • Skill enhancement 	2012-13	2013-14
		Handicraft Making and Cosmetology		2014-15 onwards	
2	Chemistry	Tailoring	<ul style="list-style-type: none"> • To initiate self-dependency among students for designing apparels 	2012-13 only	
3	History	Tailoring	<ul style="list-style-type: none"> • To provide financial Independence • To develop self-reliance 	2013-14 onwards	
4	English	Communicative English	<ul style="list-style-type: none"> • To make students competent speakers of English • To develop self-confidence of students 	2010-11	2013-14
		Advanced Communicative English		2014-15 onwards	
		Adobe Page Maker	<ul style="list-style-type: none"> • To acquaint students with the skills related to journalism 	2012-13 only	
5	Road Safety Cell	Driving	<ul style="list-style-type: none"> • To empower women • To enable to be self-dependent 	2010-11 onwards	
6	Computer Science /Application	MS Office	<ul style="list-style-type: none"> • Equip students for office work • Give them technical knowledge to prepare power points for Seminars, Paper presentation etc 	2010-11 onwards	
		Multimedia	<ul style="list-style-type: none"> • To prepare students for careers in different fields of communication. • To equip students to get jobs in video editing field 	2014-15 onwards	

In addition to these skill oriented courses, the departments conduct coaching classes for CSIR-UGC NET examinations. Career Guidance and Placement Cell of the College conducts regular coaching classes for PSC/UPSC Examinations.

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

The institution at present does not offer programmes that facilitate twinning/dual degree.



**1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond
Range of Core / Elective options offered by the University and those opted by the college:**

The range of Core Programmes available under Calicut University has increased manifold in the last decade. New super speciality degree programmes have been introduced to cater to the demand for specialized personnel in the industry and academic circles. The College has taken maximum advantage of this change and has introduced several innovative programmes.

Innovative Programmes offered by the college are UG in Biotechnology, Microbiology, BCA, English Literature with Journalism and Audiovisual Communication as Complementaries, BBA, BSW, B Voc Multimedia, B Voc Software Development, PG Programmes in Biotechnology, Microbiology, Computer Science, Psychology and Applied Economics

The Complementary courses of UG programmes facilitate flexibility and a wide range of elective options are available for all the UG and PG programmes

COMPLEMENTARY COURSES/ ELECTIVE OPTIONS (UG)

Programme	Complementary Courses	Elective Papers
History	Economics Sociology	Principles and methods of Archaeology, History of Human Rights Movement, Intellectual History of the World, Discovery of Early India, Agriculture :Knowledge Dimensions
Economics	Sociology History	Gender Economics, Health Economics, Economics of Business and Finance
English	Journalism Audio Visual Communication	World classic in Translation, Regional Literature in translation, Dalit Literature
Mathematics	Statistics Physics	Linear Programming and Game Theory, Graph Theory, C programming for Mathematical Computing
Botany	Zoology Chemistry	Genetics and Crop Improvement, Biotechnology, Nanotechnology and Research Methodology, Advances in flowering plant systematics



Chemistry	Mathematics Computer Application	Chemistry and Technology of Polymers
Microbiology	Biochemistry Bio statistics and Computer Application	Cell and Tissue Culture, Bioethics and Biosafety
Biotechnology	Chemistry Environmental Bio Technology	Medical Biotechnology
Commerce		E-Commerce, Human Resource Management, Basic Accounting

ELECTIVE OPTIONS (PG)

Dept.	No of Papers	Elective Paper Options
History	16	Archaeology, Theoretical Perspective, Literature and Indian History, Women History ,Environmental history of India, Archival Studies and Documentation, Epigraphy and History ,State in Early India, Tamilakam in the early Historical Period, Knowledge and Culture in Ancient India, Agrarian Society in Medieval India, Trade and Commerce in Medieval India, Caste and Social Structure in Medieval India, Ideology and Practice of the National Movement, Political and Social Struggles of Modern India, Economic History of Modern India, Social History of Modern India
Microbiology	6	Virus and Virus related Diseases, Diagnostic Microbiology, Microbial Taxonomy, Microbial Biotechnology, Genetic Engineering, Biosafety, Bioethics and IPR
Chemistry	9	Synthetic Organic Chemistry, Natural Products, Polymer Chemistry, Instrumental Methods of analysis theory, Computational Chemistry, Solid State Chemistry ,Industrial Catalysis, Bioinorganic Chemistry, Organometallic Chemistry
Economics	6	Agriculture Economics, Population Studies, Security Analysis and Portfolio Management, Environmental Economics, Health Economics, Computer Application in Economic Analysis
Biotechnology	3	Stem Cell Biology, Industrial Food Biotechnology, Nano Technology
Computer Science	8	Principles of Compiler Designing, Parallel Processing, Simulation & Modeling, Numerical and Statistical Methods, Image Processing, Multimedia Systems, Web Technology, Data Warehousing and Mining
Mathematics	7	Operations Research, Computer Oriented Numerical Analysis, Probability Theory, Fluid Dynamics, Measure and integrations, Algebraic Number Theory, Commutative Algebra



Botany	12	Advanced Angiosperm Taxonomy, Environment Biology and Biodiversity Conservation, Genetic Engineering, Genomics and Proteomics, Plant Tissue Culture, Pathology of Plantation Crops and Species, Genetic Engineering and Bioinformatics, Plant Physiology, Molecular Plant Taxonomy, Biotechnology in Crop Improvement, Plant Cell and Molecular Biology
Commerce	4	Fundamentals Of Computers, Business Information Systems, Office Automation Tools, Computerised Accounting with Tally

Choice Based Credit System and range of subject options:

All UG and PG programmes offered by the institution follow CCSS (Choice Based Credit Semester System). Informatics has been made compulsory for all programmes to enhance IT skills of the students. Project work has been introduced in all UG and PG programmes with the introduction of CCSS. Departments offer Open Courses to students of other disciplines.

OPEN COURSE OPTIONS FOR THE DEPARTMENTS FOR UG

Department	No. of Options	Name of Paper
History	3	Historical Tourism, Heritage Studies, History of Ideas
Microbiology	2	Environmental Microbiology, Public Health and emerging Microbial Diseases
Chemistry	1	Environmental Chemistry
Economics	3	Banking, International Trade and Business, Basic Principles of Economics
Biotechnology	1	Food Microbiology & Biotechnology
Computer Science	1	Internet Programming
Mathematics	3	Mathematics for Natural Sciences, Mathematics for Physical Science, Mathematics for Social Science
Botany	3	Horticulture and Nursery Management, Biofertiliser Technology and Organic Farming, Plant Tissue Culture
Commerce	4	Finance, Banking and Insurance, Cooperation, Computer Application
English	3	Film Studies, Creative Writing in English, Applied Language Skills

Courses offered in modular form:

The College offers a wide variety of subject related and other modular courses every academic year for the development of skills and for the enrichment of the student community.



UGC Add on Courses

SL No	Department in Charge	Programme	Duration	
			From	To
1	Physical Education	Yoga and Health Management Science	2014-15 onwards	
2	Botany	Plant Tissue Culture	2014-15 onwards	
3	English	Communicative English	2012-13 onwards	
4	Microbiology	Interior Designing	2010-11 onwards	
5	Bio Technology	Bio Informatics	2010-11 onwards	
6	Computer Science	Multimedia	2009-10	2013-14
7	College	Fashion Designing and Cosmetology	2007-08	2011-12
8	Zoology	Fish farming	2007-08	2011-12

Credit transfer and accumulation facility:

There is no facility for credit transfer and accumulation.

Lateral and vertical mobility within and across programmes and courses

The College is one among the first batch of colleges that has started offering the very innovative programme recently introduced by UGC, the B.Voc Programme. Two B.Voc programmes, B.Voc in Software Development and B. Voc in Multimedia are being offered from this academic year. There is great flexibility in the admission procedures and in the duration of the B.Voc programme. There is no age limit at the entry level of the programme and a +2 two, graduate or a post graduate student can apply for the programme. By studying one year of the programme a student has the opportunity to acquire a diploma in the programme. Degree is awarded only on completion of 3 years. Students of all programmes are given the privilege of choosing Open Courses conducted by other disciplines.

Graduate students of certain disciplines are allowed to join the post graduate courses of other streams. Students who completed B.A Economics can join M.A History if they have graduated with History as their complementary. B.Sc Mathematics and B.Sc Statistics students can opt for M.A Applied Economics provided they have the stipulated minimum marks. B.Sc Botany students can opt for M.Sc Microbiology and Biotechnology and so on.

Enrichment courses



Apart from UGC Add Ons, Skill Enhancement Courses and Certificate Courses, the College conducts a number of programmes for capability enhancement of the students. PSC/UPSC coaching is provided to all III Semester Degree students. V and VI Semester Degree students attend various Career Guidance Programmes.

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

The College offers 6 UG and 7 PG self-financed programmes. The admission norms, curriculum and fee structure for both the self-financing and regular courses are fixed by the University. The fees of the self-financing programmes is much higher than the regular courses so as to meet the expenses incurred in offering the programme. The fee structure is revised from time to time as per the orders of the University.

ADMISSION NORMS -REGULAR AND SELF-FINANCING PROGRAMMES

	General Merit	Community Merit	SC Merit	ST Merit	Management
Self-financing	20%	10%	15%	5%	50%
Regular	50%	10%	15%	5%	20%

FEE STRUCTURE OF SELF FINANCED COURSES

UG	Fee Structure		PG	Fee Structure	
	Gen	SC/ST		Gen	SC/ST
Biotechnology	117030	115780	Biotechnology	177550	176550
BCA	101030	99780	Computer Science	99050	98050
English	52039	50780	Microbiology	177550	176550
BBA	20230 (1 UG)	19730 (1 UG)	Applied Economics	82050	81050
BSW	20230 (1 UG)	19730 (1UG)	Psychology	97300	96300
B Com	62530	61280	Chemistry	51150 (1 PG)	50650 (1 PG)
			Botany	50650(1 PG)	50150 (1 PG)

The admission to M.Sc Biotechnology and M.Sc Computer Science is based on the Common Entrance Test and Counseling conducted by the University. The recruitment of teachers for the self-financing courses is purely on the basis of merit, qualification, experience and the performance in the personal interview. When NET qualified teachers are not available, others are considered. The institution offers periodic salary hike and yearly increment to the faculty of self-financing courses.

1.2.5 Does the college provide additional skill oriented programmes, relevant to



regional and global employment markets? If ‘yes’ provide details of such programme and the beneficiaries.

The College offers 5 UGC sponsored Add On Courses for I DC students. Forty students are admitted to each Add On Course. In addition to these, 6 Skill Enhancement Courses are also offered to I DC students. PSC Coaching and 8 Certificate Courses are offered to II DC students. Career Guidance Classes are given to III DC students. The College timing was rescheduled to accommodate these courses and all the students are expected to enroll in at least one of these courses. NET coaching is provided by select departments to PG students.

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

Calicut University does not permit a combination of conventional face to face and distance mode of education. Students are free to equip themselves with additional qualifications in the Conventional or Distance Mode.

1.3 Curriculum Enrichment

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

The institution has always worked in accordance to the Vision and Mission of its founders while at the same time adapting to the advances and changes in the Higher Educational Scenario. Holistic development of the students and Value education have always been an integral part of the institution. To meet the challenges of globalization, the College has implemented various strategies to improve the IT and soft skills of the students. UGC Add On courses and Certificate Courses designed by the departments have helped the students to acquire additional skills and enhance their employability. Bridge courses and Remedial coaching are provided to slow learners. Peer Teaching, provision of extra study material, mentoring, and innovative teaching methods boost the morale of the students. Two new initiatives of Government of Kerala, Scholar Support Programme, a remedial programme for slow learners and Walk with Scholar, a mentoring programme for advanced learners, have been introduced from this academic year.

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

Students are equipped to use ICT tools for seminar and project presentations. Online project/assignment submission and correction is followed by select Departments. Interaction with industries and research institutions is carried out to



expose the students to the application level of theoretical aspects they have learnt. Students are given the opportunity to acquire additional skills through Open Courses, Add On Courses and Certificate courses.

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

With the introduction of Choice Based Credit Semester System in 2009, studies on Gender, Environment, Climate changes, Human rights and Informatics have become an integral part of the curriculum of almost all disciplines.

Gender sensitization measures

- Elective paper of BA Economics, BA History
- UG and PG projects with special reference to Women
- Exhibitions, Talks. Elocutions, Debates, Stage presentations
- Activities of Women Cell
- Film fest
- Manuscript magazine devoted to Women –*Nirbhaya*
- College Magazine dedicated to Marginalised Women
- Earn While You Learn Programme – Entrepreneurship Development Programme.

Activities to promote awareness on Human Rights

- Observation of Human Rights Day
- Procession in town against Delhi Gang Rape case
- Commemoration of Nelson Mandela
- Interactive Session with Dayabhai
- Celebration of 50th anniversary of Martin Luther King's Famous Speech "I Have a Dream" in collaboration with Sathsang, Thrissur.

Environment conscientisation Programmes

- Rain Water Harvesting units in College and Hostel
- Exhibitions, Talks, Demonstration Awareness Classes, Competitions etc. organized.
- Setting up of Biogas units
- Use of Solar water heaters
- Setting up and maintenance of RET, Herbal, Botanical, Orchid, Fern and Butterfly Garden (Details in criteria 7)

Promotion of ICT



- Use of power points in teaching learning process
- Courses in MS Office, Multimedia, internet programming
- Workshops, Seminars ,Talks and Discussions to reduce digital divide
- Fourteen new Smart (Interactive) boards.
- Free internet usage for students and staff

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

Moral and ethical values

Value Education has been an integral part of the institution from its establishment in 1946 as the College is a missionary institution run by the CMC management. An hour is allotted every week for imparting value education to all students. Attending Life Guidance course is mandatory for all final year students. The objective of this course is to equip the students to take up the responsibilities of an adult in the family, society and the nation by giving them the basic facts of marital life, sex education and the crucial role of women in the character formation of children. Annual retreat for Catholic students and simultaneous spiritual renewal for Non-Catholic students is also a part of the College Calendar.

Employable and life skills

In the span of five years, 8 UGC Add On Courses have been offered to impart additional skills to make the students employable. All the departments design and offer Certificate Courses to improve the career prospects of the students. A number of Forums and Clubs like the Entrepreneurial Development Club are active in promoting additional skills to enhance the employability of the students.

Better career options

The Career Guidance Cell of the College has been orienting the students towards a career by providing PSC coaching, NET coaching, soft skills and additional skills training, Career guidance seminars are also organized frequently by the CGPT Cell and the departments to give the students an awareness on the Career opportunities available in their chosen area of study.

Community Orientation

Compulsory Social Service is a part of the curriculum of all colleges affiliated to the University of Calicut. All students have to put in 42 days of social service work towards the attainment of UG degree. In addition to this the College has a number of outreach activities like St. Mary's Square Outreach- an educational sponsorship programme, Medical camps, Blood Donation camps, Organ Donation programme, *Vatsalyam* for serving the vulnerable etc The institution has introduced a cleanliness drive 'L'Aria Fresca-Clean Campus, Clean City' in the last academic year. Various



activities are undertaken to clean the College and premises. Two NSS units and an NCC unit are actively involved in a number of community oriented activities. In collaboration with St. Mary's College, Sath Sang organised an inter-religious meet on 9th November 2014. The programme was inaugurated by Kerala Governor, P.Sathasivam. Eminent personalities from various religions presented their views in the programme

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

The College has developed a mechanism to get a detailed feedback about the Course, Course content, relevance and curriculum delivery by the teacher. The feedback received from the students is analyzed by each department. Informal feedback is obtained from the participants of seminars/ conferences, campus placement companies, alumnae, employers, community, academic peers, industry and parents. Based on the feedback from the students and parents the following actions were taken to enrich the curriculum

- UG programme in Polymer Chemistry restructured to UG programme in Chemistry
- 5 UGC Add On Courses introduced in the last 5 years
- Certificate Courses and Skill Enhancement Courses introduced based on the feed back
- Upgradation of 14 classrooms to Smart Classes
- Career oriented Core and Complementary courses introduced
- Introduction of Language Lab software
- Audio classes for teaching communicative English.

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

The College monitors and evaluates quality enhancement programmes. Syllabus of Certificate Courses and Skill Enhancement Courses are prepared by the respective departments keeping in mind demands of the industry and global market. The College has a formal feedback system to evaluate all the programmes and courses. The feedback is taken once a year and it is analyzed and appropriate actions are taken to improve the quality of the programmes/ courses offered. The feedback is discussed in the Staff Club and committee meetings and new and innovative strategies are implemented from time to time to enrich the curriculum. PTA and alumnae also evaluate the quality of the programmes. IQAC of the College plays an important role in ensuring the quality of enrichment programmes.

1.4 Feedback System

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



Though the institution is not directly involved in the design and development of the curriculum, suggestions are placed before the respective Board of Studies for major and minor changes in the curriculum. The College has an active role in designing the curriculum of new innovative programmes like the B Voc. At the time of transition from annual to semester system, the faculty of all departments attended orientations on the same and contributed to the introduction of the Choice Based Credit Semester System. The curriculum of the UGC Add On courses is designed by the departments and is sent to the University which, after verification and necessary modifications is approved by the University.

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

The College collects feedbacks from parents, students, alumnae and employers which is analyzed by the IQAC and suggestions for improvement are communicated to the departments. Based on the feedback, requests for introduction of new programmes, changes in elective papers, complementary and open courses are sent to the university. A major restructuring that has taken place in the last 5 years is the restructuring of UG polymer Chemistry to UG Chemistry. Innovative methods of teaching are also introduced based on the feedback.

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

A Ph. D, two UG and three PG programmes were introduced in the last 4 years. Two UG, two PG and two B.Voc Programmes have been introduced in the current academic year. The new courses were chosen based on the feedback from the stakeholders. The principle behind the choice of the programmes is that they should be career, research and community oriented. The introduction of M.A Applied Economics, M.Com, B.Com, BBA, BSW and B.A English with Journalism and Audio visual Communication as complementaries were based on this principle. Another rationale for the introduction of new courses is the expansion of the existing departments to research centers. Ph. D in Mathematics, M. Sc. Chemistry and M. Sc. Botany were introduced based on this rationale. The College was prompt in taking up the opportunity to introduce the very innovative programme implemented by UGC, the B. Voc. degree, as interacting with the industry is the need of the day and two B.Voc. Degree Programmes have been introduced in this academic year.



CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

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

Admission Process

The College has a transparent admission process. The dates of admission to the courses as per University guidelines are displayed on the website and advertised through newspapers and the rank list of students eligible for admission are displayed on the College notice board. For the past two years, University has changed the undergraduate admission procedure to online. Merit admissions to MSc Computer Science and MSc Biotechnology are based on entrance examinations.

The College ensures wide publicity for admission by printing the College Prospectus containing the Profile of the College, details of Academic Programmes, the Vision and Mission of the institution, student support and the scholarships for meritorious students etc. Complete details of the institution are placed on the Institutional website to facilitate online access to the requisite information about the College and various courses. Advertisement is given in leading newspapers regarding the seats vacant, if any, in different Programmes.

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

Students with excellent academic credentials as well as first generation learners from disadvantaged sections of the society seek admission to the College. Student enrolment procedures are in strict accordance to the admission policy laid down by the University of Calicut and the Government of Kerala from time to time. The eligibility criteria, dates for distribution and collection of application forms, publication of rank list that includes confirmed list and waiting list, admission notification and date for the completion of admission process, are all decided by the University. Transparency in the admission process is meticulously observed and the lists of candidates to be admitted both on merit and statutory reservation are displayed on the College notice board. Admission process is carried out according to this list. Reservation seats for backward communities and sports quota are filled according to the Government rules. In the instance of vacant seats, the College advertises the vacancies in the newspaper.

50% of the seats are allotted for open merit, 20% for reservation students (one seat in all subjects is reserved for students from Lakshadweep irrespective of their caste and religion), 10% community quota and the remaining 20% is management quota with a minimum cut off merit. 1% of the merit seats in degree courses are reserved for the physically handicapped. Two seats in the merit quota in each discipline are reserved for Sports Quota. In case of self-financing programmes 50%



of the seats are allotted for open merit and 50% for management quota. A Selection Committee (7 members) chaired by the Manager, decides the minimum marks for admission to each subject in the management quota. From the list prepared, selection is made giving due consideration to the children and relatives of Teaching and Ministerial staff, applicants belonging to the Catholic community and also the poor and marginalized.

Eligibility for various UG and PG programmes is based on the marks obtained in the qualifying examinations: Plus two for UG and UG for PG. Weightage for NCC, NSS and Ex-service men quota is as per the Government rules.

The Admission Committee in the College coordinates and supervises the entire process. The Committee comprises of the Principal, Vice Principal, Office Superintendent, Coordinator, Joint Coordinator and ten staff members. The admission process begins as and when the University announces the dates of admission. The application forms can be obtained from the College. The rank list is compiled by the Admission Committee and is then displayed on the notice board. Prospective students, in the merit list and waiting list, are intimated the date and time of admission by post. In the absence of a candidate, the student who succeeds in the rank list is admitted. On the day of the admission, students whose admission has been confirmed meet with the Principal for a personal interview. All the necessary documents and mark lists are verified and the candidate is admitted after payment of fees. A copy of the admission list is also sent to the University.

The University of Calicut conducts a common entrance test for admission to the MSc Biotechnology and MSc Computer Science programmes. Selection of students is based on the performance in the test.

The student profile of the College is often a healthy mix of young women who are high achievers and under-achievers, the privileged and the marginalised, cutting across different economic and social backgrounds. A Bridge Course is conducted by Departments to familiarize the students with their subject area during the first week of the class.

For Ph.D programme scholars who have cleared their JRF can apply directly to the Research Centre. Other candidates appear for the entrance exam of the University, and those who clear the test are allotted Research Centres and Guides according to their preference and specialization. The scholars in consultation with the supervisor prepare a research proposal which is presented before the pre-doctoral committee consisting of an External Expert, Research Guide and the Head of the Department. The selected candidates are registered according to the University norms.

50% each of the seats in self-financing programmes is assigned for Merit and Management quota. The fee structure is stipulated by the University. Students from the socially backward sections who top the merit list are given financial support from the Government. The Management collects the fee in instalments, and some students are sponsored by well-wishers.

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



The cut off percentage for admission at the entry level is as prescribed by the University eligibility.

Percentage of Marks at Entry Level -UG Programmes

Course	Percent of Marks	2010-11	2011-12	2012-13	2013-14	2014-15
Mathematics	Max	90	93	95	96.1	97
	Min	57	60	58	67.5	64
Botany	Max	84	86	91	90	89
	Min	60	56	60	62	59
Chemistry	Max	78	80	97	95	95
	Min	50	57	65	60	66
Microbiology	Max	92	88	94.5	98.6	94.4
	Min	68	62	57	71	60
Biotechnology	Max	92	91	89	95.8	90
	Min	65	63	65	47	55
Computer Application	Max	87	92	92	89	92
	Min	62	72	60	55	65
Economics	Max	84	93	90	95	90.4
	Min	56	58	61	55	51
History	Max	76	87	88	83	94
	Min	52	49	54	51	54
English	Max	**	**	80	83	89
	Min	**	**	52	54	57
Commerce	Max	**	**	87	93	92
	Min	**	**	60	60	53
Business Administration	Max	**	**	**	**	89.7
	Min	**	**	**	**	54.4
Social Work	Max	**	**	**	**	82
	Min	**	**	**	**	62
Vocation-Software Development.	Max	**	**	**	**	90
	Min	**	**	**	**	54
Vocation-Multimedia	Max	**	**	**	**	86
	Min	**	**	**	**	57

Percentage of Marks at Entry Level -PG Programmes

Course	Percent of Marks	2010-11	2011-12	2012-13	2013-14	2014-15
Mathematics	Max	99.7	98.4	96.5	93.8	94
	Min	82.1	47	66	72	67



Botany	Max	**	**	**	**	92
	Min	**	**	**	**	57
Chemistry	Max	**	**	**	**	88
	Min	**	**	**	**	71
Microbiology	Max	86.5	79.4	91	95	85
	Min	72	66	72.7	66	51.3
Biotechnology	Max	84	84	89	89	86.7
	Min	64	62	73	59	70
Computer Science	Max	95	90.5	89	90.8	89
	Min	70	63	72	62.5	58.8
Economics	Max	**	**	79	71	63
	Min	**	**	50	63	53
History	Max	71	75	97	85	92
	Min	45	45	45	50	60.5
Psychology	Max	**	**	75	70.6	76.5
	Min	**	**	75	55	60
Commerce	Max	**	**	**	85	90
	Min	**	**	**	59	66

** Programme not introduced

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

The entire process of admission is executed and reviewed by the Admission Committee constituted in the College. The vacancies are filled by students listed in the rank list. The University provides a time span for admission after which it is declared closed. The vacancies for SC/ST are advertised three times in the newspapers and in their absence, are filled by other students. Twenty percent of seats in each discipline are allotted to the Management. The Management Admission Committee comprises of the Manager, Local Manager, Principal, Vice Principal, one faculty, senior non-teaching staff, and a local external member. This Committee fixes a minimum required mark for consideration to the Management seat. Due consideration is given to students who excel in cultural and extension activities, students from the locality, economically backward or any other deserving student. The requests of well-wishers, alumnae, staff, and others are also considered.

The institution reviews the admission process and student profile annually and new programmes are initiated in the self-financing stream or seat number is increased as per University sanction based on the demand.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion:SC/ST, OBC, Women, Differently abled, Economically weaker sections, Minority community, Any other.



The Institution was founded exclusively for the education of women, and therefore only girls are granted admission. The reservation policy of the Government is adhered to in the case of SC/ST, OBC, Community, etc. The seats assigned for merit and reservation are strictly according to the regulatory authorities like the Government and University. The seats allotted for community merit by the Government caters to the minority segment of which the College is a part. The economically and socially backward students benefit from Government scholarships and Institutional freeships and other schemes for food and accommodation in the hostel. Reservation policies of the Government are rigidly followed to ensure that the strategies adopted by the Government for the creation of equity and provision of access to the SC/ST and OBC applicants are implemented. Apart from the financial support from Government, the institution provides financial support and other freeships to the deserving students. Physically challenged students are admitted adhering to Government norms.

The College provides Management and Endowment scholarships and prizes for students from economically weaker backgrounds. Students are made aware of the freeships in the form of free books, uniforms, free meals, free accommodation and study material available to them.

Sports students are given admissions in the programme of their choice. In addition to the seats reserved by the University, seats in management quota are also allotted to the students excelling in sports. Various Student support measures are provided to the sports students.

Awareness is given to the students about various government scholarships and stipends available from time to time through public address system and notice board. Nodal Officer for the Scholarships and Stipends and Administrative staff in charge give directions and support to the students in this regard.

Entry level Socio Economic Profile of UG and PG Students

Category	2010-11		2011-12		2012-13		2013-14		2014-15	
	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG
SC	40	7	46	6	51	9	49	8	72	15
ST	2	-	1	-	1	-	6	-	4	1
OEC	5	-	6	1	3	2	3	2	23	4
OBC	110	35	103	16	116	30	115	32	173	27
Minority	124	26	129	27	163	41	213	46	189	51
Sports	8	0	9	0	22	2	9	1	17	1
General	51	8	52	11	70	9	33	12	47	19
Total	332	76	337	61	404	91	419	100	508	117

2.1.6 Programmes Offered during the Last Four Years and Demand Ratio: Demand ratio-U.G

As a reputed institution, the College has always had a high demand ratio for all its UG and PG Programmes.



		2010-2011			2011-2012			2012-2013			2013-2014			
Departments		AR	SS	DR	AR	SS	DR	AR	SS	DR	AR	SS	DR	
Mathematics	UG	806	36	22:1	871	36	24:1	912	36	25:1	Online			
	PG	147	15	10:1	Online			156	15	10:1	144	20	7:1	
Biotechnology	UG	598	30	20:1	620	30	21:1	752	30	25:1	Online			
	PG	34	12	3:1	Online			42	12	4:1	39	12	3:1	
Microbiology	UG	728	30	24:1	1071	30	36:1	1077	30	36:1	Online			
	PG	27	12	2.3	Online			33	12	3:1	37	12	3:1	
Computer application/ Science	UG	504	30	17:1	670	30	22:1	579	30	19:1	Online			
	PG	72	12	6:1	Online			63	12	5:1	56	12	5:1	
Psychology	PG	NA						2	12	2:1	6	12	5:1	
Chemistry	UG	971	30	32:1	1112	30	37:1	1296	30	43:1	Online			
Botany	UG	257	30	9:1	1042	30	35:1	1175	30	39:1	Online			
Commerce	UG	NA							40	40	1:1	Online		
	PG								NA			46	12	4:1
History	UG	526	60	9:1	251	60	4:1	719	60	12:1	Online			
	PG	54	15	4:1	Online			73	15	5:1	71	20	4:1	
Economics	UG	639	60	11:1	866	60	14:1	806	60	13:1	Online			
Applied Economics	PG	NA						15	15	1:1	26	15	2:1	
English	UG							19	24	1:1	Online			

* AR- Applicants Received

* SS- Sanctioned Strength

* DR- Demand Ratio AR/SS

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

According to the government norms, one seat in all programmes is reserved for students with 40 % disability.

- Braille study materials and Audio cassettes are available in the library for the visually challenged students
- Extra time is given to these students for exam on request
- Scribe provided for blind students
- If possible, classrooms are shifted to a space convenient for the physically challenged students.
- Learning assistance is provided through peer teaching
- Special seating is made available
- Special support provided by faculty



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

The students are required to furnish a detailed Biodata to the tutor from which information regarding her academic performance, family context, skills etc. are obtained. A primary identification as advanced and slow learners is made from the Entry level test conducted by Departments and academic record provided by the students. An Orientation Programme /Bridge Course is conducted for the newly admitted students. A programme on Communication skills in English is offered to the required students.

2.2.3 What are the strategies drawn and deployed by the institution to bridge the knowledge gap of the enrolled students to enable them to cope with the programme of their choice? (Bridge/ Remedial/ Add on/ Enrichment Courses, etc.)

There are various strategies deployed to bridge the knowledge gap. Bridge courses are offered by various Departments to first year undergraduates to make them familiar with the new concepts and respective subject areas.

Remedial coaching is given to slow learners. Classes are given outside regular teaching schedules. Additional simplified notes, frequent test papers, viva questions or practical classes are provided for the uplift of slow learners. Under the New Initiatives in Higher Education of Government of Kerala, the College with support of KSHEC has adopted Scholar Support Programme (SSP) for providing remedial coaching for the slow learners. College offers various UGC sponsored Add on Courses, Certificate Programmes and Skill Enhancement Programmes for enhancing the knowledge and ensure employability skills.

Enrichment Programmes like Walk with Scholar (WWS), Value Education, Life Skill Development Course for the Final Year students, Annual Retreats, Personality Development and Stress Management seminars etc. are organized for the benefit of all the students.

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

Our College being a Women's College, gender issues are given prime importance. To sensitize women about their status, identity and role, the College has established a Women Cell which organizes gender sensitization programmes awareness classes etc. The aim of the Cell is to promote awareness and active response among women to social issues and bring out their full potential as resources for their own development and that of the nation. The Women Cell functions in the College since 1995-96. Besides the activities of the Cell, the College also responds to social issues related to women. Talks by eminent personalities like Smt Dayabhai (Social Worker), Smt Sreelekha IPS, Smt. Sara Joseph (Malayalam Writer), Smt. M.S Jaya IAS (District Collector) and Smt. Sobhana (Deputy Director of Collegiate Education) motivated and enlightened the students. Students also respond actively to issues



concerning gender. Protest rally was organised to convey the solidarity of the College with the victim of Delhi gang rape in December 2012. Alumnae members also take classes and conduct debates on gender sensitization. Women cell organised a one day short documentary film fest –*Sneham* to provide an awareness on gender issues.

The College admits students from diverse social, economic and cultural backgrounds and does not discriminate against any category on the basis of religion, caste or creed. A uniform dress code is prescribed and students are not permitted to wear gold or gold like ornaments so as to minimize the diverse social and economic status of the students. Mobile phones are banned in the campus. Students are encouraged to help out each other both financially and academically. The differently abled students too are specially monitored and assisted and are given opportunities to help them feel one with the community. The University of Calicut has included a Compulsory Social Service Scheme of 42 days social service work to be completed by each UG student for the successful completion of the UG Programme.

The College has a Bhoomitrasena Club which organises various programmes to provide awareness on conservation of nature and natural resources. The Departments organize various programmes for ensuring awareness about current environmental issues through films, exhibitions, talks and competitions on various environmental topics.

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

Advanced learners are identified through interactive classroom teaching and classroom discussions and continuous evaluations. In the current academic year, the College has initiated Walk with Scholar Programme with support of KSHEC for catering to the needs of advanced learners. Five faculty members under a Coordinator mentor 30 students of first year UG programmes. Faculty of the Departments also takes initiatives in mentoring other students. Various extension lectures are organized to foster learning needs of advanced learners. They are constantly encouraged and guided for preparation of various competitions. They are also encouraged to participate in symposiums, paper and poster presentations, and quiz contests. Advanced learners are assigned as Peer Team Leaders. They are motivated to take classes and seminars for slow learners. In Microbiology and Botany Departments, microbial pure cultures for laboratory experiments are revived, subcultured and maintained by these students.

2.2.6 How does the institute collect, analyse and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.)?

The interaction during the admission procedure with the Principal throws light on their varied backgrounds, skills and capabilities. The information so received is



conveyed to the tutors who take necessary action. The students who are at the risk of drop out are identified through personal interaction by respective departments and they are given counselling. Remedial teaching is provided to help them overcome their problems, after identifying their areas of difficulty. Scholar Support Programme is initiated in the current academic year to uplift the slow learners. Five teachers under a Coordinator provide academic support to 50 students. Personal support and care is given to the married students to continue their studies. Counselling is provided to the parents on the importance of their wards completing the programme. Financial support and freeships are provided by the institution to the economically weaker students. Physically challenged students are provided appropriate support according to the nature of disability.

2.3 Teaching-Learning Process

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

The University provides an academic calendar to the institution at the beginning of every academic year. It includes the number of working days, holidays, schedule of semester, internal assessment schedule and so on, which is incorporated into the academic calendar of the College. Calendar Committee of the College prepares the College Calendar and Handbook in consultation with the Principal and Vice Principal.

The Principal in consultation with the Vice-Principal and Office Superintendent prepares the annual work distribution for the staff. The coordinators and the members meet as required and monitor the functions and activities of the Cells, Forums, Committees, and Clubs etc.

The Timetable Committee prepares a general timetable for the entire College and assigns periods for core, common, complementary courses, value education, and tutorial and association activities along with the room number for these activities.

The main agenda for the first Council meeting, Staff meeting, Departmental Staff meeting, IQAC and others is the setting of action plan for the year. At the Departmental level, the Head of the Department in consultation with the faculty chalks out a schedule of activities for the entire academic year and evaluates the activities, programmes and performance of the previous year. Subsequent meetings evaluate the work done so far.

Each faculty is provided a Teachers' Diary in which the monthly Teaching Plan is prepared. The departmental meetings and activities, evaluation duties, Seminars/ Workshops attended, leave taken etc are recorded.

The Examination Committee coordinates the internal exams of all the Departments. Examination Time Table is set in advance and intimated to the students sufficiently early. The University examination is scheduled according to the decisions of the University.

2.3.2. How does IQAC contribute to improve the teaching-learning process?



IQAC improves the teaching-learning process by

- Organizing training programmes on relevant computer-aided teaching and e-content development
- Motivating faculty members periodically to attend programs on new and emerging technologies
- Providing access to computers and free internet facility to the faculty and students
- Organizing Workshops on ICT based pedagogical skills to make the staff proficient in the use of ICT based tools and enhance teaching-learning process
- Getting feedback on teachers to assure the quality of teaching and learning.
- Motivating Departments to organize educational tours to make teaching-learning more student-centric
- Organising Seminars/Annual Endowment lectures on topics of relevance
- Directing Departments to initiate Certificate Courses and Skill Enhancement Courses
- Proposing new Programmes, inter departmental activities, community extension programmes etc.
- Conducting Orientation on College and its activities to the new entrants.

The IQAC does the academic audit of all Departments annually to ensure documentation and evaluation of activities. It also suggests programmes that can be included in the Department to cater to student support, extension service or academic excellence. The IQAC organized a National Level Seminar on ‘Quality Enhancement in Higher Education through Student Support and Progression’ on 2-3 March 2012. The session was inaugurated by Dr. Ann Mary Fernandez, Reader, Karunya University. The Seminar included exclusive sessions for faculty, students and parents. An interesting module in the Seminar was a session exclusively for students’ paper presentations. Another National Level Seminar sponsored by NAAC on “Recent Trends in Higher Education: Scope and Challenges in Governance” was conducted on 26th Sept 2014. Eminent personalities in the field of education like Sri. T P Sreenivasan, Vice Chairman KSHEC, Prof M.Y. Jayaraj, Professor of Microbiology, Gulbarga University, Dr Mohandas B Menon, Vice Chancellor, Wawasan University, Malaysia, Prof. M. P. Ishak, Deputy Director of Collegiate Education, Thrissur and Sri. Sijo Kuruvilla, Director Board Member, Start-up Village Kochi, were the resource persons for the Seminar.

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

Learning is made more student-centric by laying stress on specific learning outcomes for all courses and making it more participatory and interactive through the following group activities like Group discussions, Field survey/Field work, Role Play and Academic Debate which while strengthening the knowledge base contribute to skill formation and managerial skills both at personal and interpersonal level. The Departments organize Quiz, Debate and various competitions. Clubs organize activities to facilitate the creative and academic pursuits of the students individually



and collectively. Departments organize co-curricular and cultural events like quiz, poster-making, manuscript preparation, elocution competitions, paper-presentations, debates, Magazine-designing, Creative Writing, Debates and Poetry competitions that help students in chiselling out their personality.

The College has 14 Smart class rooms, Computer labs with internet facility, OHPs, Multipurpose lab with Language Lab facility and seminar halls to develop interactive skills. It is mandatory for all students to prepare assignments and present seminars based on their curriculum and they are encouraged to present research level papers in seminars and symposia. A Research Forum for PG students functions in the College to inculcate research culture. A Journal Club is active in the Department of Microbiology and Botany where students take up interesting and latest research articles and present it.

Interactive and collaborative learning is encouraged through peer teaching, group discussions, group projects, group assignments, library hours, interdepartmental competitions, association activities, study tours, seminars, symposiums, discussions, debates, and so on. Independent learning is encouraged through oral questioning, class tests, individual assignments, paper presentations, competitions etc. The Tutorial and Mentoring system addresses the individual student's need.

The College has a well-equipped and well managed library. ICT is increasingly incorporated into the teaching learning exercise. Teachers are encouraged to take part in workshops, training programmes and seminars that are intended to improve their professional skills.

The peaceful and calm ambience in the campus with absolutely no unrest, political or otherwise is ideal for the knowledge building. Teacher performance evaluation is obtained through student feedback, parent feedback, alumnae feedback, employer feedback, etc.

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

The institution nurtures critical thinking, creativity and scientific temper through the following activities organised by the College and the Departments. Various programmes include Seminars, Exhibitions, Quiz Competitions, Invited Talks, Film Reviews, Day Celebration, Industrial Visit, Field Trip and Nature Camp, Environment Month Celebration, Science Day Celebration, Fests, Fairs, Projects, Visit to Research Institution, Power Point/Paper Presentation Competitions, Publications, Consultancy Services, Surveys, Mini Projects, Blood Donation Camps, Research motivation talks, Weekly Bulletin Boards, Visits to Libraries, Study Tour to Historical Places, Fink Club, Financial Literacy Cell, Manuscript Magazine Competition, Book Mark Competition, Best Journalist Competition, Meet the Author Programme, Wonder Woman Contest and so on.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National



Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

Science laboratories and the Computer Science laboratories are well equipped with modern teaching aids. There are well equipped Seminar Halls, Smart Classrooms and an Auditorium. Internet and INFLIBNET facility is available to the staff and students. Innovative practices in pedagogy in addition to the lecture method are being used to assure and enhance our academic quality. The following teaching aids are adopted in addition to the lecture method:

- Smart class Rooms
- Computer Aided Learning through audio visual aids is provided to supplement lectures in classroom
- Multipurpose Computer lab with language lab facility is available
- Movies/ Documentaries related to the syllabi are shown.
- INFLIBNET facility for online access to e-materials is available

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

Students and faculty are exposed to advanced level of knowledge and skills through the following methods.

- Seminars/ Workshops/ Talks are organized
- Extension lectures by experts in their respective fields to share their knowledge with students
- Interface with eminent writers, poets, social workers, research fellows
- Group Discussions and Seminars
- Exposing students to industrial environment through industrial visits and industrial training.
- Interdisciplinary programmes are organized
- Student participation in symposium/seminar conducted by the College and other institutions

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

A group of around 20-25 students is assigned to a tutor. Every Monday time is allotted for tutorial. Mentoring is done by all teachers as and according to the requirement. If the situation requires the support and cooperation of the parents or family, they are also summoned. In addition to tutorial and mentoring, services of two professional counsellors are also available in the campus.

2.3.8. Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution



to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

Innovative teaching methods have been adopted by the faculty to boost the capacity to learn and to teach meaningful application of knowledge to young minds. The College encourages the faculty to complement the academic system with practical skills through various teaching methodologies that extend beyond the classroom. Activities undertaken include:

- Power Point Presentations and use of internet to make teaching-learning more interactive and interesting
- Field trips and Educational trips
- Visits to industries
- National Seminars organized
- Workshops and extension lectures by scholars and subject experts
- Hands-on work experience in almost all the practical subjects are integrated into the academic agenda
- ICT based teaching methods are used
- Feedback on faculty obtained from students
- Power point presentations and Seminar presentations by students
- Internship for M Sc Psychology students
- Additional coaching for slow learners
- 14 Smart class rooms introduced

2.3.8 How are library resources used to augment the teaching-learning process?

The library caters to the needs of teachers and students by providing access to books and journals. There is a separate section for Reference Books. Text books and CD ROMs are maintained in separate shelves. Books for Competitive Examinations are issued to the students. E-resources are available through N-LIST of INFLIBNET services. The Librarian helps the Departments to purchase the latest books and journals as per the requirement of the teachers. There is open access to the library, which is fully automated with LIBSOFT.

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

- Internal examinations, assignments, seminars, projects, viva voce and a vast syllabus need to be completed in a short span of time in the semester system. The fulfillment of these prescribed activities in the given time is a challenge for the faculty. The vast syllabus leaves little time for extracurricular and extension activities.
- Delay in the conduct of examinations by the University is another challenge faced.



- Another threat is the large number of guest faculty in the institution who may quit the job at any point of time.

The Institution has internalized the practices of ensuring curriculum completion within the planned time frame. It involves a well-prepared College Calendar for the entire year and strict adherence to both College Calendar and the University Calendar. The institution is planning the academic, co-curricular and extracurricular activities according to the prepared Calendar. Extra classes are taken to complete the curriculum within the prescribed time frame. Great pains are taken to schedule the co-curricular and extracurricular activities so that students do not miss out on these.

2.3.10 How does the institute monitor and evaluate the quality of teaching learning?

A systematic feedback mechanism has been developed to ensure and enhance the quality of teaching learning. Feedback on teachers is obtained from students to assure quality in teaching learning. The feedback obtained is analyzed and the teachers are counselled to improve academic standards. Workshops are organized to upgrade the teaching skills in view of the technological advancement and the role of IT in enhancing the quality of higher education. The internal assessment and continuous evaluation system helps to identify slow learners and take necessary steps like extra coaching for such students to improve their studies.

Additional feedback is obtained through Opinion boxes, Tutorials, Staff meetings, Council meetings and IQAC meetings.

2.4 Teacher Quality

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

All faculty positions are filled as per the norms laid down by the UGC, State Government and University. Any vacancy arising in the institution is widely publicized by open advertisement in 4 leading newspapers and through our website. Eligible candidates are shortlisted on the basis of UGC guidelines and invited for personal interview. Selection is based on their merit, research experience and their performance in personal interview by a Selection Committee comprising of competent representatives from University, State Government and Management. Highly qualified and meritorious candidates with a good research potential are appointed to give a boost to research activities. When appointing new faculty, demands of the curriculum are taken into account and faculty who have exposure in emerging/interdisciplinary areas are appointed. Due to the excellent reputation of the Institution in academics, co-curricular and extracurricular activities, sound infrastructure, student and staff support systems and comfortable working atmosphere, College has no difficulty in retaining appointed staff.



Highest qualification	Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	
Permanent teachers					
DSc/Dlit	-				
PhD		5	1	16	22
MPhil		2		3	5
PG				11	11
Temporary teachers					
PhD					
MPhil				6	6
PG				45	45
Part Time Teachers					
PhD					
MPhil					
PG				7	7

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

To cope with the growing demand of qualified senior faculty a multipronged approach is adopted. In the first instance faculty are encouraged to attend seminars, symposium and workshops to keep abreast of the emerging areas. The College also appoints additional faculty to teach new/ specialized programmes like Biotechnology and I.T., on regular/contractual basis as per Government and University norms. Qualified faculty is also invited on part time basis for certain modules like bioinformatics. The College welcomes human resources from other institutions to ensure diversity in academic input. Memorandum of Understanding is undertaken by our institution with specialized institution of repute like Chetana Media Institute, Thrissur so that our students get the benefit of their senior faculty.

Departmental Initiatives to equip faculty

In an effort to equip the faculty of the College, Departments encourage the faculty to attend seminars and workshops on various topics. The seminars/workshops enable faculty to get an insight on the emerging areas of the discipline and provide enhanced knowledge on the subject. The following list points to the specialised topics of various seminars participated by the faculty of different Departments



Folklore Seminar And Festival: Traditional Ecological Knowledge
Sustainable Food Systems For Food Security And Nutrition
Biodiversity Conservation-Trend and Need
Biotechnological Tools For Bio Resources Conservation
DNA Barcoding and Finger Printing
Traditional Ecological Knowledge,
Progress And Prospects Of Biotechnology
Microbes for green environment
Drug discovery and designing
Obesity – current concepts
Phyto Chemistry
Current Trends In Free Radical Research And Herbal Antioxidants
Radiation Biology
Cancer Research
Emerging Trends In Biopharmaceuticals
Nano biotechnology
Molecular Biology Techniques In Microbiology
Intellectual Property Rights And Patents' Medicinal Mushrooms, Biomarkers
Basic And Advanced Biochemical Techniques
Research Trends In Computer Science
Bioinformatics
Financial Literacy towards financial inclusion among BPL families
Child Rights Violations In India
Financial inclusion through financial literacy among colleges
Commodity derivatives
Corporate Social Responsibility
Modern Trends In Chemistry
Green Strategies In Organic Synthesis
Green Chemistry
Spice Chemistry
Phytochemical Analysis
Chemistry for Healthy Human Life
Designing Chemistry Project For Undergraduate
Nanoscience
Programming In Chemistry
Marginalization Of In-Migrant Labourers In Kerala
Indian Economy Since Reforms
Economic Liberalisation And Inclusive Growth In India
Informal Sector In India
Financial Markets In India: Meltdown Scenario
Global Economic Crisis And India-Issues And Challenges
Kerala Economy, Gender And Politics Of Space And Class
Gender Issues And Empowerment Of Women
Changing Faces Of Women Empowerment
Tools And Techniques Of Social Science Research



Environment and Development
Human Rights In A Changing World
Revisiting Kamala Das/ Madhavikutty/ Suraiya
Transforming Of The Self In Contemporary Indian Fiction
Narratology of Harvesting: A Comparative Study
Representation Of Power And Terror In Post 9/11 Discourse
Rebellion: The Other side, Emotions, Expressions And Reality
Kottapuram Market:A Historical Study
Linkages In Space And Time: A Perspective On International And Inter Regional Trade of Kerala
Contributions Of Eric Hobsdawn
Ritual Transformation In Ayyappan Thiyyat
Historical Writing On Indian Nationalism
Thrissur- A Kaleidoscopic View
Impact Of Globalization On Higher Education In Hindi Literature Scenario
Recent Trends In Advanced Mathematics
Basic Concepts In Topology
Hadamard Matrices
Cryptography
Socio linguistic aspects of Folk Literature
Keraleeyatha
Graph Theory And Combinatorics
Mathematics In Folklore
Natyashastra
Contemporary Poetry- Narration and politics
Performing Arts and Malayalam Literature
Media Discourse- contextualizing the Socio- political terrain
Fuzzy Mathematics
Number Theory And Its Applications
Semigroups And Applications
Women's Education In Indian Society, Need For New Perspectives
Access And Inclusiveness In Higher Education Concerns And Barriers
Ramsar Sites Wetland Conservation
Photonics

2.4.3 Providing details on Staff Development Programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

a) Nomination to staff development programmes

Academic Staff Development Programmes	Number of faculty nominated
Refresher Courses	5



HRD Programmes	4
Orientation Programmes	15
Staff training conducted by the University	1
Staff training conducted by other institutions	23
Summer/winter schools, workshops, etc.	97

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

- Orientation programmes for faculty at the beginning of every academic year
- Seminars on Personality Development, Time Management, Stress Management, Neuro Linguistic Programmes, Effective Teaching and so on
- National Seminars and Workshops to enhance the knowledge in different disciplines
- Seminars and Talks on Research Methodology, Digital Age Pedagogy, Use of e resources

Percentage of Faculty participation

- Invited as resource persons in workshops/seminars/conferences organized by external professional agencies: 12%
- Participated in external workshops/seminars/conferences recognized by national/ international professional bodies: 92%
- Presented papers in workshops/seminars/conferences conducted or recognized by professional agencies: 40%

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

The achievements of the faculty are highly appreciated by the management. At the beginning of each academic year, College Management arranges an Orientation for the spiritual and personal development of the faculty. The College Management strives to promote professional development of faculty by encouraging the faculty to apply for various research grants available from various agencies like UGC, DST, and KSCSTE etc. Encouragement is also given to pursue M. Phil. and Ph. D. The institution issues them 'No Objection Certificate' on request. The faculties are motivated to attend General Orientation Courses, Refresher Courses, Training Programmes, Conferences, Seminars and Workshops. They are also encouraged to publish papers in Journals and present papers in seminars and workshops. The institution also conducts seminars, workshops and special lectures for the benefit of



its faculty and students. In the period the Institution and Departments have organized 13 National Seminars for the benefit of faculty and students.

National Seminars /Workshops organized by College

Sl. No	Department	Title	Date
1	Mathematics & Computer Science	National Seminar on 'Classical Mathematics with Applications to Computer Science & Related areas'	10-12 March 2011
2	Botany, Zoology & Physics	National Seminar on 'Nano Biotechnology'	11-12 August 2011
3	Chemistry, Microbiology & Biotechnology	Two Day National seminar on 'Emerging Trends in Biopharmaceuticals'	26-27 August 2011
4	IQAC	National Seminar on 'Quality Enhancement in Higher Education through Student Support & Progression'	2-3 March 2012
5	Social Sciences & Languages	Interdisciplinary National Seminar on 'Thrissur: A Kaleidoscopic View'	14-15 February 2013
6	English, Hindi Malayalam & Sanskrit	National Seminar on 'Narratology of Harvesting: A Comparative Study'	1 - 2 August 2013
7	IQAC & Computer Science	National Workshop on 'Digital Age Pedagogy: Perspectives and Prospects'	9-10 January 2014
8	Hindi Malayalam & Sanskrit	National Workshop on 'Translation'	11 July 2014
9	Chemistry	National Seminar on 'Frontiers in Green Chemistry'	24-25 July 2014
10	Microbiology & Biochemistry	National Seminar on 'Microbes for Green Environment'	21-22 August 2014
11	Physical Education	National Seminar on 'Hypokinetic Diseases and Wellness of College Students'	27-28 August 2014
12	Mathematics	National level Instructional Seminar on 'Recent Advances in Mathematics'	25-27 September 2014
13	IQAC	National Seminar on 'Recent Trends in Higher Education Policies: Scope and Challenges in Governance'	26 September 2014

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



to such performance/achievement of the faculty. -

The institution encourages a culture of excellence. The faculties are given positions of responsibility in various committees to develop their leadership quality. Management also arranges talks by eminent personalities and orientation programmes for development of the staff. In 2014, Dr. Josepheni Joseph, Associate Professor & Head, Department of English and IQAC Coordinator was Awarded 'SADGURU' Award for Best Teacher instituted by University of Calicut. She was selected for the award based on teacher performance evaluation done by students, and the College Council.

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

- College Management conducts a confidential student evaluation of teachers. This evaluation helps teachers to understand their strengths and weaknesses and helps the Institution to maintain the quality of its academic programmes.
- Internal audit of the departments is conducted by the Principal and IQAC. Based on these evaluations and the suggestions offered, all departments draw up their action plan for the following year and submit it to the Principal for approval. As a result of this, a number of new and innovative programmes have been implemented by all the departments.
- The tutorial system also helps students express their opinion on all aspects, especially that of teaching- learning.
- The College also follows the annual self-appraisal method to evaluate the performance of the faculty. A self-evaluation goes a long way in introspecting the accomplishments and inadequacies of the faculty.
- The College also gets formal and informal feedback from the alumnae. Every year, January 26th is observed as Alumnae Reunion Day, and members give their feedback on the academic output and other campus experience, and its impact on their career and life situations.
- An Exit Survey by the outgoing students is conducted at the end of the programme.
- Parent/Guardian feedback is also collected through a structured questionnaire and personal interaction at the Parent Teacher Association Meeting.
- Employer's feedback is collected from the organizations that have employed students from the College through a structured questionnaire.
- An Opinion box has been placed at three distinct spots for students to drop their complaints and suggestions. The data thus collected is analyzed and discussed by Grievance Redressal Cell and further action is taken at Council meetings and staff meetings.



- The entire feedback system is institutionalized and is conducted at the end of every year and documented. All stakeholders are aware of this exercise for they are all involved in it in one way or the other.

2.5 Evaluation Process and Reforms

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

At the beginning of every academic year the faculty and students are intimated to them through the University academic calendar as well as the College Calendar. Weightage of each component of assessment i.e. attendance, assignment, seminar and internals are conveyed to the students both personally through the tutorial session and collectively through the College Website, Notice Board etc. A common Orientation Programme for the freshers is also organized. The parents are kept informed of the same through the periodical Parent Teacher Association Meetings.

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

The University has stipulated minimum grade for internal assessment. A retest is conducted for those students who are unable to attend (sports/health/genuine personal reasons) or secure minimum grade in the internal examination so that the students do not have to lose an academic year. University has also stipulated minimum attendance required for the course. Any shortfall in attendance is brought to the notice of students by displaying their names on the notice board/ informing them personally. In the current academic year, university has replaced a five point scale by a seven point scale for effective evaluation.

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

The CCSS system was introduced for UG and PG Programmes in 2009 and 2010 respectively. CCSS involves continuous evaluation through two internal exams, assignment, seminars, and project and semester exam conducted by the University at the end of each semester. In the current academic year, the University has reduced the percentage of internal mark from 25 to 20 for the UG programmes. The University has stipulated two internal examinations for all programmes, the dates for which are notified by the University to the College. The internal assessments include two tests, seminar, assignment, and attendance. The College Council discusses the date, duration and conduct of the internal tests, and also the date for the announcement of results. The result is conveyed to the parents through the progress report, which the parents/guardians are expected to sign in person. Records of both internal and external exam results are maintained by the Departments for all programmes. The internal weightage is calculated according to the University direction and is sent to the



University online. The consolidated marks are displayed on the student notice board for verification before being submitted to the University. All the faculty members are involved in the external evaluation like invigilation, centralized and home valuation of answer scripts, external examiner for practicals and Viva Voce etc.

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

Two internal examinations, seminar, and assignment provide continuous and consistent measurement of student progress. The individual teacher also makes use of other measures like question-answer session, brain storming, quizzing, discussing and debating on the portions taught. Students are encouraged to make power point presentations for their seminars. Based on their performance, remedial coaching and tutorial sessions are given to slow learners. Any loss in teaching days due to unforeseen circumstances are compensated through special classes so that the syllabus is completed on time and ensuring that the students prepare well for their exams.

The goal of summative assessment is to evaluate student learning at the end of an instructional unit. Summative assessments are often high stakes, which means that they have a high point value. In the current year the value ascribed to summative assessment in the UG programme has been raised from 75% to 80%. Summative Assessment takes place at the end of the academic session. It is conducted by the University at the end of the semester. Students are evaluated depending up on Written Exams, Practical Exams, Viva voce and Project work

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

The institution evaluates the subject knowledge of the students through two internal tests, class tests, seminars and assignments. Communication skills and ability to use modern methods of presentation like Power Point is also assessed. Practical Skill of the students is also evaluated. The whole evaluation process is transparent. The evaluated answer books are returned to the students and they may approach the teacher concerned for any corrections. Consolidated internal marks are displayed on the notice board for a week before being submitted online to the University. Students may also use the facility of the Grievance Redressal Cell if their grievances are not solved satisfactorily at the Departmental level. To assess the English communicative skills of the students, Department of English assesses Spoken English skill of all students as a part of internal assessment of the compulsory Common English Course. To encourage independent learning, students are asked to submit individual assignments which are evaluated as a part of continuous assessment. Though the internal assessment does not involve the behaviour assessment, the best student of each Department is recognized and nominated for the Gem of St. Mary's Contest. There are prizes for best NSS and NCC volunteer.



2.5.6 What are the graduates attributes specified by the college/affiliating university? How does the College ensure the attainment of these by the students?

The institution ensures through value education, academic seminars, orientations, life guidance programmes, participation in Institutional Social Responsibility that a graduate has the following attributes

- Academic Excellence
- Intellectual Honesty
- Social Responsibility
- Environmental Sensitivity
- Moral and Spiritual Integrity

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

The college ensures full transparency in the process of evaluation. At the college level there is provision for re-totalling and re-evaluation. However, grievance if any is redressed by the Grievance Redressal Committee. Matters associated with University results including withheld results, grades published wrongly etc. are solved by communicating with the University and getting redressed. The University has specified procedure for addressing complaints regarding evaluation. Students have the option to apply for revaluation of external examinations.

2.6. Student performance and Learning Outcomes

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

The learning outcomes of the College are clearly defined in its Vision and Mission. As they are displayed in strategic locations in the College, all the students and staff are aware of it. The learning outcome is also emphasized during the orientation program given to staff and students at the beginning of every academic year.

Intellectual integrity on the part of all students is basic to individual growth and we encourage students to strive for academic excellence by cultivating intellectual integrity and honesty. The College grooms young women to be agents of love, justice and peace through love of God, pursuit of knowledge, moral integrity and social responsibility. Thus they are sensitive to the needs of environment and society at large. In a multicultural country like India, where people belonging to different faiths co-exist in harmony, St. Marians are encouraged to promote religious harmony and national integration. Appropriate to the level of study and discipline, each programme is designed to ensure that students achieve the desired learning outcomes.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/ programme? Provide an analysis of the students results/achievements (Programme



/coursewise for last four years) and explain the differences if any and patterns of achievement across the programmes /courses offered.

The institution does the comprehensive evaluation of the students by regular tests, assignment and seminars, internal assessment grades are awarded based on their performance and students are given remedial coaching if needed. Gifted learners are promoted by providing additional study material and guidance for the effective use of library resources. Our institution strives to maintain good academic record. Recently due to the proliferation of Professional Colleges in Kerala, the entry level proficiency of the students who opt for the science stream have decreased thus impacting the output of these courses.

Pass percentage of UG Programmes during the last four years

Department	2008-11	2009-12	2010-13	2011-14
Botany	86	94	82	86
Computer Science	100	100	97	100
Chemistry	60	100	65	80
Economics	98	94	89	77
Mathematics	95	95	79	83
Microbiology	100	100	97	97
Biotechnology	94	97	100	100
History	98	92	94	90

Pass percentage of PG Programmes during the last four years

Department	2008-11	2009-12	2010-13	2011-14
Computer Science	100	100	100	Results Awaited
Mathematics	77	100	100	
Microbiology	100	100	100	
History	71	94	78	
Biotechnology	100	100	100	
Psychology	*	*	*	
Applied Economics	*	*	*	

*** Programme introduced in 2012-13**

Before the abolition of rank system by the University in 2012, our students bagged quite a number of ranks.



Our Rank holders till 2011

UG				
Course	Rank	Names	Rank	Names
	2009-10		2010-11	
BCA	I	Saifunnesa K H	I	Tainu Ousey
	II	Shafna V K	II	Kripa Krishnan K
	III	Anu K M		
Maths	II	Krishnapriya C R	II	Neelima M K
	III	Veena Narayanan		
Microbiology	II	Swathy N N	I	Steny K Thomas
Biotechnology	III	Teena K J		
Economics			III	Sreeja K
History			III	Sreevidya V R
PG				
Biotechnology	I	Priya Varghese	I	Ahlam Abdul Aziz
	II	Devi P	II	Neena Joseph K
			III	Christy M M
Microbiology			I	Surumi C A
			III	Vibha P G

Swathi N.N., MSc Microbiology (2012), Fahisa K.Y. MSc Microbiology (2013) and Chaithanya Unnikrishnan BA History (2012) were the University toppers since 2011.

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

The College has a well-developed mechanism to monitor the student's learning outcomes. At the beginning of the year all the departments hold a departmental staff meeting and chart out the time table for the upcoming semester. Assignments and Seminars by the individual students are also allotted in the beginning so that students get ample time to prepare these. Faculties make use of Power Point to make their classes more interesting.



Attendance is taken every hour and any shortage in attendance is brought to the notice of the concerned student, and parent is also informed of the same during PTA meetings and over the phone. If any fall in attendance of a student is noticed, the tutor personally interacts with the student and parents to assess the problem and suggest remedial measures if needed. The class tests and assignments are valued within a short duration and the marks are recorded and displayed on the notice board. The same is also communicated to the parents.

Motivated and willing students are also encouraged to be peer teachers to their friends so that slow learners have additional help to improve their grade. All students have access to counseling center in the College so that any problems /issues that may affect their performance can be discussed with the counselor in a stress free and confidential manner.

Students are encouraged to make use of the excellent library and internet facility available in college. The faculty members also conduct surprise tests and quiz to monitor the academic progress of each student. Student achievers are lauded and their achievements are recognized on Prathibha Day, College Day, Toppers Day, Sports Day, Departmental Association Meetings etc. The learning outcome is also assessed through student progression.

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

To enhance the employability of the students and to improve their skills all the Departments offer Certificate Courses which also serve to enrich, enhance and supplement the syllabus prescribed by the University. In addition to this, College also offers UGC sponsored Add on Courses and Skill Enhancement Courses that help in the holistic development of the student. These new-age programmes have a well-charted curriculum and are taught by well qualified faculty, in a very conducive environment.

All the students have to submit a project as a part of their undergraduate and post graduate programme. This helps students to develop independent and critical thinking thus enhancing their research aptitudes. Research Forum is also active in this regard and arranges talks by eminent/upcoming researchers so that students are motivated to take up research. Students are also taken to various research institutions so that they are aware of the various opportunities in research field. College also conducts large number of seminars in emerging areas giving our students opportunity to interact with eminent personalities in their respective field. The college celebrates National Science Day every year with Talks, Seminars, and various competitions to inculcate in our students a scientific temper.

College through various clubs and forums also provide our students an opportunity to develop organizational and leadership skills and mould them into citizens capable of responding to the needs of our time in a holistic manner. Extension activities also help to generate awareness about the need to choose an environmentally sound sustainable solution to everyday problems. It also orients students towards various social issues of the day.



The Career Guidance Cell has been very effective in giving necessary career guidance and in developing the personality of those who seek employment. A wide variety of talks, interactive sessions and seminars were conducted during the period.

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

After the completion of each class test / internal examination, a departmental meeting is held in which all the faculty, present the grades obtained by the students. The results are discussed and slow learners are identified. The concerned tutor personally interacts with the slow learners to identify barriers to learning like faulty study habits, lack of motivation, language barriers etc. Special attention is given to these students and remedial measures are taken. Peer teaching and personal doubt clearing sessions, tutorials, answering the previous year's question papers, providing question bank, specially prepared notes etc. are some of the strategies used to overcome barriers of learning.

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

At the beginning of each academic year departmental meetings are held wherein the learning outcome to be achieved that year are discussed. Advanced learners are motivated towards academic excellence by various means- provision of extra reading material, extra questions/problems for additional practice, seminars and assignments on varied topics and so on. They are encouraged to be peer teachers to slow learners and thus enhance their communication skills. Slow learners are also encouraged to overcome their learning barriers. The results of internal examination/assignment/seminars have to be submitted to the Head of the Department and Principal, so as to facilitate periodic assessment and corrective action if required.

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

Both individual teachers and institution use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning. Depending on the outcome of various assessment methods, slow learners and advanced learners are identified and they are provided with support and encouragement. Feedback from students and other stakeholders help in identifying any gap in curriculum delivery and corrections if needed are implemented.



CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

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

The Research Centre of the Department of Mathematics affiliated to the University of Calicut was established in 2011. Five research scholars do research under two research guides, Dr. Sr. Magie Jose and Dr. Parvathy K.S.

Sl.No	Research Scholar	Research Guide	Research Area	Date of Registration
1	Sr. Jorry T.F	Dr. Parvathy K.S.	Lattice Structure For Orientations of Graph	19-02-2014
2	Smt. Dolly Augustine	Sr. Dr. Magie Jose	Fuzzy Banach Algebra	19-02-2014
3	Smt. Reeja Kuriakose	Dr. Parvathy K.S.	Studies On Weighted and Signed Domination Number Of Graphs	19-02-2014
4	Smt. Sowmya K.	Sr. Dr. Magie Jose	A Study Of Clifford Algebra and It's Applications In Robotics	19-02-2014
5	Smt. Farifa M	Dr. Parvathy K.S.	Studies On Labelling Of Graphs	05- 03- 2014

Dr. Regi Raphael K. of the Department of Botany is a research guide under Bharathiar University and is guiding Ms. Alby Alphons Baby on the topic "Bio Activity Screening and Phyto Chemical Profiling of Selected Traditional Medicines of Kerala".

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

The Research Committee constituted in 2005 following the first NAAC accreditation promotes research culture in the faculty and students. The Research Committee includes the Principal, the Vice Principal, and faculty representatives of PG departments. The Research Committee played an important role in getting the Research Centre of the Department of Mathematics sanctioned by the University. The



Committee coordinates the research activities of the College. Research Committee initiated the establishment of a Research Forum that takes care of the research activities of students.

Recommendations of Research Committee

- Strengthen research culture in the faculty and students
- Encourage faculty to apply for research projects
- Encourage faculty to do research leading to Ph. D
- Encourage Departments to apply for national/international seminars/workshops
- Purchase more books/periodicals and subscribe to online resources
- Publish separate journals for Pure Sciences and Applied Sciences, Humanities and Social Sciences
- Enlighten the faculty on the availability of research grants of different funding agencies
- Motivate the faculty to publish their research findings in refereed journals.
- Encourage faculty and students to present papers in national/ international seminars
- Motivate faculty and students to conduct surveys, analyze the findings and disseminate the information
- Encourage faculty to engage in consultancy and generate fund
- Encourage faculty and students to do research which is of benefit to the community
- Instill research culture among students through their UG and PG projects.
- Interactive sessions with faculty pursuing research and students

Impact of the Research Committee Recommendations

- Purchased more books/periodicals and subscribed to online resources
- Faculty applied for research projects and there are 14 ongoing research Projects
- Nine of our Faculty have registered for Ph. D programme and are involved in active research
- 2 Faculty utilized Faculty Development Programme of UGC
- Departments have conducted 14 national seminars/ workshops during Post accreditation period.
- There are 126 journal publications and 188 conference presentations by the faculty in the Post Accreditation period and students have also presented papers in conferences, seminars and workshops.
- Faculty are involved in consultancy works
- Infrastructure expansion especially of the labs have been carried out according to the need
- Research oriented talks by Departments, College and Research Committee



- Interactive sessions between faculty pursuing/undergone research and students organised

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

Autonomy to the principal investigator

The principal investigators are given complete freedom to pursue research for projects. There is complete autonomy right from the preparation of the proposal to the publication of results. They can avail of the infrastructure and human resources available in the College. They can also provide opportunities for students involvement in the research ventures. Timely auditing and submission of utilization certificate is encouraged by the Management and Research Committees.

Timely availability or release of resources

The Principal encourages the faculty to enhance their qualifications. Information regarding research schemes, projects and funding is put up on staff notice board. The efficient administration provides for timely submission of research project proposals, seminar proposals and FDP applications. Resources are released without any delay so as to encourage the research aspirations of the faculty. The College Journal provides an opportunity for the faculty to publish their research papers.

Adequate infrastructure and human resources

The Mathematics Research Department has a separate centre with separate cabin for each research scholar and a computer lab with internet facility for doing research. The existing facilities in the Department of Botany is adequate for the research being carried out now. But more infrastructure and human resources are required for establishing more research centers.

Time-off, reduced teaching load, special leave etc.to teachers

There is no provision of leave from duty or reduced work load for the faculty engaged in research as per Government rules. Duty leave is granted to faculty for attending seminars and conferences.

Support in terms of technology and information needs

INFLIBNET is available to the faculty and students of the College. Internet facility is also available in the library and all the departments. Half an hour of free internet facility is available to all students and free internet facility is made available to PG students on all Saturdays.



Facilitate timely auditing and submission of utilization certificate to the funding authorities

The institution is very prompt in facilitating timely auditing and submission of utilization certificate to the authorities.

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

A Research Forum functions under the Research Committee to promote research culture in the students. The Research Forum meets once a month and PG students present research papers. Faculty and students are encouraged to take up projects which will enhance their research aptitude. Talks, Seminars and Workshops are organized to develop a scientific temper in students. Students are also encouraged to participate and present papers in seminars/workshops organized by other institutions. The college has a good library and INFLIBNET facility to enhance research in students. The Department Associations and Forums organize talks and exhibitions on topics of current relevance to inculcate scientific spirit and research aptitude. The IQAC organizes a Paper Presentation Competition for PG students in connection with Dr. Sr. Rani George Endowment Lecture every year. Demonstration of experiments and visit to research institutions are arranged to motivate students to take up research.

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

All the faculty in the main Departments are actively involved in guiding student projects. An average of three to six student projects are carried out under the supervision of the faculty who acts as their guide. Fourteen of our faculty are engaged in carrying out UGC minor research projects. Faculty of the Department of Botany supervise the projects of students of other Departments and institutions. Faculty and students carry out research work and projects in reputed institutions and industries inside and outside the State.

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

Research Oriented Talks Organized

No	Resource Person	Topic	Year
1.	Dr. C. R. Sivadasan, Sr, Scientist (Rtd.), Spices Board, Cochin	Scientific Temper in Indian Context	2014



2.	Dr. Joby Thomas K, Associate Professor, St. Thomas College, Thrissur	Fostering Scientific Temper with Special Emphasis on Education	2014
3.	Dr. K. R. Janardhanan, District Coordinator, National Green Corps	Scientific Temper in Daily Life	2014
4.	Dr. T. V. Sajeev, Scientist, KFRI, Peechi	Fostering Scientific Temper with Special Emphasis to Environment	2014
5.	Dr. V. D. John, Associate Professor, Christ College, Irinjalakkuda	Nanochemistry	2014
6.	Mr. Santhosh Baby, Chief Executive- Aqualine Exports Nellore	Scope and Potential Of Ornamental Fish Industry	2014
7.	Dr. Shehana, Gynecologist, ARMC, Thrissur	Digital Epidemics	2014
8.	Dr. Simi Fabien, Gynecologist, ARMC, Thrissur	Digital Epidemics	2014
9.	Dr. Mohandas, Scientist, KFRI	Forest and its role in sustaining life	2014
10.	Dr. T. Ramanathan, Assistant Professor Annamalai University, Chennai	Bioprospecting Of Marine Bioresources with special reference to Coastal Flora	2014
11.	Dr. V. P. Gangadharan, Senior Consultant and Oncologist, Division of Oncology, Lakeshore Hospital, Cochin	General Awareness on Cancer.	2014
12.	Sri Rajan Nair and Ms. Chitra, Counselors of Indian Medical Association (IMA)	Anaemia and its related disorders	2014
13.	Dr. Sheela C, Vice Principal, FISAT	Fuzzy Mathematics	2013
14.	Smt. M. S. Jaya I. A. S, District Collector, Thrissur	Kerala Women	2013
15.	Dr. Kumaran, Assistant Archaeologist, Archaeological Survey of India, thrissur	Archaeological Exploration and Excavation Methods	2013
16.	Dr.C. Narayanankutty, Professor, Dept. of Horticulture, Kerala Agricultural University, Mannuthy	Hi-tech vegetable production	2013
17.	Sri. Mathew, Professor, Kerala Agricultural University, Mannuthy	Herbals in Home remedies	2013



18.	Sri. Jain J. Therattil, Assistant Professor, Dept. of Zoology, St. Aloysious College, Elthuruth	Biodiversity of Western Ghats	2013
19.	Dr. Binu P Chacko, Associate Professor, Prajyothi Nikethan College, Pudukad	Artificial Intelligence	2013
20.	Dr. Lajeesh V L, HOD, Dept. of Computer Science, University of Calicut	Soft Computing and Image Processing Using MATLAB	2013
21.	Dr. Manish Kumar V R, HOD, Biotechnology Department, University of Calicut	DNA-Past and present	2013
22.	Dr. Sheela Karlam, Special Officer, Oushadhi, Thrissur	Relevance of Microbiology in Ayurveda.	2013
23.	Dr. Moncy Edward, Associate Professor, Prajyothi Niketan College, Pudukad	Importance of Psychology in current society	2013
24.	Prof. P. T. Ramachandran, Department of Mathematics, University of Calicut	Kerala Mathematics	2012
25.	Sri. Pravas K, Assistant Professor, Govt. Polytechnic, Poorappuzha	LATEX	2012
26.	Prof. A Vijayakumar, Department of Mathematics, CUSAT	Graph Theory	2012
27.	S. Sivaramakrishnan, Professor, Calicut University	Contributions of Ramanujan	2012
28.	Dr. Swarnakumari , Principal JDT Islamic College, Calicut.	<i>Marumakkathayam</i> and the joint family system of <i>Taravad</i> .	2012
29.	Prof T. R. Venu Gopalan, Retired Principal, Govt. Sanskrit College, Pattambi,	History of Thrissur	2012
30.	Dr. Jose T. Puthur, Reader, Dept. of Botany, University of Calicut	Bioenergy plantation	2012
31.	Dr. P. K. Sushma, HOD, Dept. of Soil Science and Agricultural Chemistry, Kerala Agricultural University, Thrissur	Vermicomposting Techniques	2012
32.	Dr. Anitha, Scientist, Central Nursery, Kerala Agricultural University, Mannuthy	Nursery Management	2012



33.	Dr. Veena Vigneswaran, Scientist, Regional Rice Research Institute, Pattambi	Plant Breeding	2012
34.	Dr. D. Girija, Professor, Department of Agricultural Microbiology, College of Horticulture, Kerala Agricultural University, Vellanikkara	Metagenomics	2012
35.	Dr. Denoj Sebastian, Associate Professor, Department of Microbiology, Calicut University	Microbial bioremediation Technology	2012
36.	Prof. M. I. Saju, Department of Mathematics, St Thomas College, Thrissur	Cryptography	2011
37.	Prof. E. Rajan, Rtd. Principal Sree Kerala Varma College, Thrissur.	Quit India Movement	2011
38.	Dr. C. R. Sivadasan, Emeritus Senior scientist, Spices Board	Importance of trees	2011
39.	Dr. P. S. Udayan, Assistant Professor in Botany, Sree Krishna College, Thrissur	Plant Taxonomy	2011
40.	Dr. E. V. Anoop, Associate Professor, Dept. of Wood Science, Kerala Agricultural University	Forest and Climate change phenomenon	2011
41.	Sri. V.R. Sathish, Dept. of Computer Science, University Of Calicut	General Informatics	2011
42.	Dr. John Thomas K, Rtd. Prof. and Research Guide, Dept. of Zoology, Christ College, Irinjalakuda	Environmental protection: Challenge and Future Hope	2011
43.	Dr. Jayson E.A., Scientist-F, Dept. of Wild life Biology, KFRI, Peechi	Birds of Wetland Ecosystem	2011
44.	Dr. C.K.K Nair, Professor and Head, Dept. of Radiation Biology, Amala Cancer Research Centre	Nanotechnology in biology and Medicine	2011
45.	Dr. K. M. Sheeba, Reader, Sri Sankaracharya University, Kalady.	Transition of Women in Modern Kerala and Gender Issues	2010
46.	Dr. Mukthesh Kumar, Sr. Scientist, Dept. of Forest Botany, KFRI, Peechi	Introduction to Lichens	2010



47.	Dr. E.V. Anoop, Associate Professor, Dept. of Wood Science, Kerala Agricultural University	Properties and Preservation of Wood	2010
48.	Mr. Hareesh V. M., Dept. of Mathematics, Sree Kerala Varma College, Thrissur.	Basic Concepts in Real Analysis	2010
49.	Dr. K. T. Arasu, Wright State University, U.S.A	Hadamard Matrices	2010
50.	Dr. R. Sivaramakrishnan, HOD, Dept. of Mathematics, University of Calicut	Hadamard Matrices	2010
51.	Dr. S. Nandakumaran Thampi, Ex. Chairman, Board of Studies Biochemistry, Calicut University	Introduction to Enzymology.	2010
52.	Dr. K.K. Janardhanan, Professor and Head, Department of Microbiology, Amala Cancer Research Centre, Thrissur	Medicinal mushrooms in the prevention and treatment of Cancer.	2010

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

Department	Name of Faculty	Research field
Mathematics	Sr. Dr. Margret Mary	Fuzzy Mathematics
	Dr. Parvathy K.S.	Convex Structures , Graph Theory
	Dolly Augustine	Banach Algebra Theory
	Reeja Kuriakose	Weighted and signed domination number of graphs, Graph Theory
	Diana Mary George	Semigroups
	Sowmya K	Clifford Algebra and its applications in robotics
Botany	Dr. Regi Raphael K	Taxonomy, Biochemistry and Phytochemistry
	Dr. Rekha K	Phycology, Physiology, Phytochemistry
	Dr. Meena K Cheruvathur	Tissue culture, Phytochemistry and Microbiology
	Alby Alphons Baby	Phytochemistry, Biotechnology
Chemistry	Sr. Mary K P	Transition Metal Complexes
	Dr. T. Geetha	Environmental Chemistry
	Dr. Manju Sebastian	Coordination Chemistry and Catalysis
	Dr. Bincy Joseph	Coordination, Analytical and Electro Chemistry



Microbiology	Dr. Meera C.R.	Cancer Biology, Mushroom metabolites and applications, Genotoxicity, medical microbiology
	Dr. Dhanya KC	Nanotechnology, Genotoxicity, Industrial Microbiology, Radiation Biology, Cancer Biology
	Dr. Mabel Merlen Jacob	Microbial Metabolites, Microbial Enzyme Technology, Phytochemicals, Antibacterial Resistance
Biotechnology	Krishna K. Yathi	Immunology and molecular biology
Economics	Dr. Julie P Lazar	Transport Economics and Migration
	Liji Maliakkal	Labour and Gender Economics
Statistics	Rakhi Chandran	Time Series Analysis
History	Sreedevi K.C	Cinema
	Swapna K	Economic History
English	Dr. Josephine Joseph	E.A Robinson's Poetry
English	Dr. Bindu Ann Philip	Arun Joshi's Poetry
Malayalam	Dr. Hemamalini M	Ecofeminism, Criticism
Sanskrit	Dr. K.I. Treesa	Mural Painting
Hindi	Dr. May flower K.A	Translation
Physics	Dr. Litty Mathew Irimpan	Nano photonics
Sociology	Dr. Binu K	Science and Society
Zoology	Dalie Dominic A	Ornamental fisheries, Biodiversity
Biochemistry	Dr. Deepa G Muricken	Molecular Biology, Enzymology, Protein Chemistry, Gene Cloning

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

The College and Departments have internalized the culture of organizing national and regional seminars funded by the UGC and other government organizations. Eminent resource persons especially those in the forefront of research are invited to these seminars. In addition to this Department Associations, Forums and Cells organize invited talks, seminars and Endowment Lectures which also provide an opportunity to bring subject experts. Renowned Academicians also visit the institution when exhibitions and fests are organized by the College and Departments. The Research Committee and Research Forum conducts research oriented seminars and talks to motivate the faculty and students to pursue research.

Eminent Personalities/Academicians who visited the College in the past Five Years

No.	Name	Date
1.	Prof. Ramachandran, Professor, Kerala Agriculture University	2014



2.	Sri. V. R. Ramachandran, Financial Counselor of Financial Literacy Centre, Thrissur	2013, 2014
3.	Dr. Rajan Gurukkal, Professor, Centre for Contemporary Studies, Indian Institute of Science, Bangalore	2013
4.	Dr. Muraleedharn, St. Aloysius College, Thrissur	2013
5.	Dr. Betsy Paul, St. Aloysius College, Thrissur	2013
6.	Prof. T S Davis, St. Thomas College, Thrissur	2013
7.	Dr. Manoj Mathew, St. Joseph College, Calicut	2013
8.	Dr. P.A.Nazeem, Professor, Kerala Agricultural University	2013
9.	Dr. Bharatan K.K, Associate Professor, MES College, Mambad	2013
10.	Prof. Dr. C. Narayanankutty, Dept. of Horticulture, KAU	2013
11.	Smt. Rose, ICTC Counselor, Thrissur District Hospital	2013
12.	Sri. Sijo Kuruvilla, C.E.O, Startup Village, Kochi	2013
13.	Sri. Aakash Mathew, C.E.O, CIED Technologies, Kochi	2013
14.	Sri. Arun Chandran, C.E.O, Ovoid Studios, Kochi	2013
15.	Sri. Nikhil, C.E.O, Voltella Systems, Kochi	2013
16.	Sri. Bastin, C.E.O, Linways Technologies, Kochi	2013
17.	Sri. Vivek P, Research Scholar, University of Calicut	2013
18.	Sri. Benson. C. C, Research Scholar, University of Calicut	2013
19.	Prof. Biju John, St. Thomas college, Thrissur	2013
20.	Dr. C. K. Francis, Principal, ELIMS Institute of Management	2013
21.	Prof. N. Chandrasekharan, St. Josephs College, Trichy	2012
22.	Prof. N. Sreedharan, Alagappa University, Karakkudi	2012
23.	Prof. P.B. Vinodkumar, Rajagiri College of Engg. Kalamassery	2012
24.	Fr. Martin Kolambrath, St. Thomas College, Thrissur	2012
25.	Dr. Susmitha Raj, Tutor, Kings College, Oxford, UK	2012
26.	Dr. K P Mani, Professor, University of Calicut	2012
27.	Dr. Hari Kumar Madhavan, BARC, Mumbai	2012
28.	Dr. Santhosh Paul, S H College, Chalakkudy	2012
29.	M. P. Induchudan, Vidya Academy Of Science & Technologies	2012
30.	Sri. M J Davies, AGM, South Indian Bank, Thrissur	2011
31.	Dr. Joshy C. L, St. Thomas College Thrissur	2011
32.	Dr. K.S. Nandakumar, Himalaya Drug Company, Bangalore	2011
33.	Dr. K Maithily, Vimala College, Thrissur	2011
34.	Sri. Georgy Oomen, Principal, LIC, Divisional Training Centre	2011
35.	Dr. Joseph Mathew, Professor, Kerala Agriculture University	2011
36.	Dr. Elyas K. K, Chairman of Biotechnology, Calicut University	2011
37.	Dr. John Thomas K, Christ College, Irinjalakuda	2011
38.	Sri. M. Sethu Madhavan, Kerala Agricultural University	2011
39.	Dr. Jiju A Mathew, St. Thomas College, Thrissur	2011
40.	Dr. R. Rajesh, Bharathiyar University	2011
41.	Dr. J. Satheesh Kumar, Bharathiyar University	2011
42.	Dr. Gladston Raj, Marian College, Kuttikkanam	2011
43.	Dr. T. Thrivikraman, Cochin University	2011
44.	Dr. R. Sivaramakrishnan, University of Calicut	2011



45.	Ms. Ceena Mathews, Prajyothi Niketan College, Pudukad	2011
46.	Sri V. G. Menon, K.K.T.M Govt. College, Kodungallur	2011
47.	Dr. Benny Jacob, Mar Athanasius College, Kothamangalam	2010
48.	Dr. Valsamma Joseph, CUSAT	2010
49.	Dr. C. P. Shaji, Kerala State Biodiversity Board	2010
50.	Dr. E M Thomas, Christ College Irinjalakuda	2010
51.	Sri E. Raghunandhanan, Secretary, Haemophilia Society	2010
52.	Dr. Gokul Das, Sreekrishna College, Guruvayoor.	2010

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

The College management is not in a position to offer sabbatical leave as it is not in agreement with the Kerala state higher education rules. But the faculty are encouraged to take FDP leave to do M Phil and PhD. The faculty are also encouraged to do M Phil and PhD in the distance mode and on a Part time mode.

3.1.10 Initiatives to Create Awareness/ Advocate/Transfer Research Findings (Lab to Land)

One of the major ways in which the public is made aware of the research contribution and their impact on the land and the society is through the seminars organised by the various departments of the College. The minor project of the faculty have also had practical application in the society. In addition to these a few major initiatives of lab to land transfer have been done by departments. The Department of Botany in collaboration with Oushadi is maintaining a medicinal garden containing more than five hundred of species of medicinal plants and orientation programmes are organized as a part of this project to make the public aware of the uses of medicinal plants and the preparation of herbal home remedies. The Medicinal garden maintained by the Department of Botany of the college was commented as an excellent herbal garden by Ousadhi. Sr. Dr. Meena K Cheruvathur of the Department of Botany has developed tissue culture protocols for the rapid invitro multiplication of eight red listed ethno medicinal plants from the Western Ghats. The research findings of most of the teachers involved in the research are of immense use for the society and the nation.

3.2 Resource Mobilization for Research

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

The College allots a specified amount every year for research oriented activities. In 2013-14, 1.76 percent of the total budget is allotted to research. The details of fund allotted under different heads are as follows:-



Particulars	2010-11	2011-12	2012-13	2013-14
Total Budget	1573308	1699423	2450180	1641397
Expenditure				
Book And Journals	240980	41063	76500	27521
Conference	132340	228210	183500	101950
FIP	178890	297544	396080	211908
MRP	-	102921	523000	123000
Equipments & Furniture for Research	11650	201909	175619	129825
Computer & accessories	350000	-	-	-
Chemical& Glassware	216078	377500	385749	374014
Construction, Renovation and Maintenance	18029	150000	173923	470990
UGC NET, CSIR JRF and Certificate Course	187000	217000	229500	155500
Miscellaneous	135561	33398	19439	13480

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

As such no seed money is provided for faculty research but they are motivated to take up research projects, do Ph.D. and continue research throughout their career. Research motivational seminars and talks are organized by the management every year. The management provides financial assistance and loan to organize seminars and talks. The Departments of Social Sciences and Languages organized a seminar on the history, economics, society, culture and sports arena of the city and the IQAC organised a National Seminar “Quality Enhancement in Higher Education through Student Support and Progression” funded by the management. The Management provided financial loan for a NAAC sponsored National Seminar on “Recent Trends in Higher Education Policies: Scope and Challenges in Governance” organized by IQAC. The research journal “Annals of Basic and Applied Sciences” published annually is funded by the Management. The staff and students who are sent for faculty development and research seminars organized by other Institutions are provided the travel and registration fee expenses by the Management.

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

Departments assist students in their projects when needed and also give them guidelines to avail financial assistance from different agencies.

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



The departments collaborate with each other to organize Inter disciplinary seminars.

Department	Year	Seminar Organized
Microbiology & Biochemistry	2014	National Seminar on 'Microbes for Green Environment'
Hindi, Malayalam, Sanskrit	2014	One day National Workshop on Translation
English, Hindi Malayalam & Sanskrit	2013	National Seminar on Narratology of Harvesting: A Comparative Study
Social Sciences & Languages	2013	Interdisciplinary National Seminar on Thrissur: A Kaleidoscopic View
Chemistry, Microbiology Biotechnology	2011	Two Day National Seminar on Emerging Trends In Biopharmaceuticals
Botany, Zoology, Physics	2011	National Seminar on Nanobiotechnology
Mathematics & Computer Science	2011	National Seminar on Classical Mathematics With Applications To Computer Science and Related Areas

Interdisciplinary research areas of the faculty

Name of faculty	Department	Interdisciplinary Research Areas
Dr. Deepa G Muricken	Biochemistry	Biotechnology and Microbiology
Dr. Regi Rapheal K	Botany	Botany, Biotechnology and Phyto Chemistry
Dr. Rekha K	Botany	Botany, Microbiology and Phyto Chemistry
Dr. Sr. Meena K Cheruvathur	Botany	Botany, Microbiology, Biotechnology and Phyto Chemistry
Neethu R	Biotechnology	Biotechnology and Chemistry
Dr. Treasa K I	Sanskrit	Literature and Art
Dr. Julie P Lazar	Economics	Economics, Management and Sociology
Swapna K P	History	History and Economics

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

The College monitors use of equipment and research facility and ensures that it is used optimally by its staff and students. The concerned Departments are in charge of the laboratory. The maintenance of the equipment and the supply of chemicals and other materials are done by the Management.

3.2.6 Has the institution received any special grants or finances from the industry



or other beneficiary agency for developing research facility? If ‘yes’ give details.

A Tissue Culture Lab was set up as part of UGC Add on in Plant Tissue Culture. A medicinal plant garden has been set up with financial assistance from Oushadhi. UGC Minor research grants have been utilized for augmenting the research facilities in the Departments. Sr. Dr. Meena K Cheruvathur of Department of Botany has received Popularisation of Science Project and financial assistance of Rs. 1, 75, 000 for the same from KSCSTE.

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

The Research Committee is active in providing guidelines for securing research funds from various funding agencies, industry and other organisation.

UGC minor Projects (Completed and Ongoing)

Year	Title of the project	Total Grant (in Rs)	
		Sanctioned	Received
2013-15	A study on the anti-oxidant and genoprotective activities of the edible mushroom <i>Pleurotus Sajorcaju</i>	1,00,000	52,500
2013-15	Green synthesis of silver and gold nano articles using <i>Bacillus thuringiensis</i> spore suspension.	2,00,000	1,52,500
2013-15	Value addition to agro residues through solid state fermentation: Production of protease by <i>Bacillus</i> species	2,00,000	1,57,000
2013-15	Socio economic status of in migrants in Kerala: A case study of Thrissur	1,15,000	72,500
2013-15	Isolation and purification of putative lipase from <i>Eupatorium odoratum</i>	1,05,000	55,000
2013-15	A study on kinematics in robotics with the help of Clifford algebra	1,80,000	1,50,000
2013-15	Some convexity properties of Normed spaces	1,80,000	1,55,000
2013-15	Fuzzy Analogue of the Hilbert Space	1,80,000	1,60,000
2012-14	Pharmacognostic, Phytochemical, Antibacterial and antioxidant studies on leaves of <i>Bauhinia phoenicea</i> Wight and Arn.	1,50,000	1,20,000
2012-14	Revolt and Reflection of Malayalam Literature During the Period Of Emergency	65,000	50,000
2012-14	Endocrine disruptors in water stored in plastic container	1,60,000	1,20,000
2012-14	Quinoxaline complexes: synthesis, characterization and anticancer studies	1,75,000	1,27,500



2012-14	The study of unpublished manuscript traditional knowledge about manuscript	1,00,000	77,500
2012-14	A study on signed domination number of graphs	1,60,000	1,30,000
2010-12	Impact of organic and inorganic fertilizers on the species dynamics of rhizosphere mycoflora of Solanum melongena L.	85,000	80,500
2010-11	Transition of Roman Catholic Syrian Christian Women In Kerala and Gender Issues	50000	47000
2009-11	Metal Chelates Of Arylazo-1,3-Dicarbonyl Compounds	65,000	65,000
2009-11	Fuzzy Quotient Space	50000	50000
	Total	2320000	1821500

Other Projects

Duration Year From-To	Title of the project	Name of the funding agency	Total Grant	
			Sanctioned	Received
2014-15	Popularization of Science	KSCSTE	1,75, 000	87,000
2012-13 2013-14 2014-15	Medicinal Plants	Oushadi	5,000 5,000 5,000	5,000 5,000 5,000
2011-12 2012-13 2013-14	National Science Day Celebration	KSCSTE	15,000 20,000 25,000	15,000 20,000 25,000
2012-13	Computer lab and Computers	IT Mission	474000 270000	474000 270000
2010-11 2011-12 2013-14	Seminars	UGC & NAAC	1,20,000 2,25,000 1,50,000	1,20,000 2,25,000 1,50,000
2010-14	P G Grant	UGC	12,00,000	12,00,000
2010-14	Professional Grant	UGC	2,00,000	2,00,000
Total Grant			2889000	2801000

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars with in the campus?

The College has a well maintained Research Centre and research lab for Mathematics Research Centre. Research work is also being carried out in the Dept. of Botany under the guidance of Dr. Regi Raphael K. A Resourceful library with INFLIBNET facility provides access to more than 6000 journals and one lakh books and a Bibliographic database. The Repository of the research output is maintained in the college library. Videoconferencing Facility is also available. The Department of



History has a Heritage Museum with artefacts dating from pre historic period which augments research in field of history. All the labs have been provided sensitive equipments that can be used for research and consultancy.

The following is the list of equipments in different Department laboratories available for research

Laboratory	Facilities
Botany	Tissue culture, Rotary microtome, Autoclave, Water bath, Stage micrometer and ocular micrometer, Electronic Balance, PH Meter Table Model, Spectrophotometer, Camera lucida, Soxhlet apparatus with heating mantle, Desiccator, Inoculation chamber, Laminar air flow
Zoology	Spectrophotometer, Deep freezer
Biotechnology	Cold room, Animal tissue culture laboratory, SDS -PAGE apparatus, Spectrometer of a wide range of wavelength, Refrigerator centrifuge, Icematic crusher machine
Psychology	22 test materials (experimental and psychometry), Biofeedback machine
Chemistry	UV-VIS-IR Spectrophotometer
Microbiology	Incubator Orbital Shaker, Digital (Merck- Genei), Ultrasonicator – 1.5 L (Rivotek), Trinocular Microscope (Labomed)

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

The Departments forward their requests for expansion of infrastructure and upgradation of equipment to the Principal who in consultation with the Governing Body, Education Committee and Local Management Committee sanctions the same when required. The Institution utilizes grants from the UGC to upgrade the library and laboratories. In the Post Re Accreditation period, PG labs, for MSc Psychology MSc Botany, MSc Chemistry, Microbiology Project Lab and a Tissue Culture Lab were set up to meet the demands of the new programmes introduced. The Departments also utilize the minor project grants for buying the required equipment. When the institution applies for new courses especially those which need laboratories, it has already decided positively in favour of setting up the laboratories needed. Once the programmes are introduced the College takes the initiative to set up the required labs as quickly as possible.

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

The institution has received UGC grants, grants from KSCSTE for augmenting



research facilities. Expansion of RET garden, Herbal garden with installation of name boards, more potted plants and Herbarium preparation with the fund of Rs. 850000 by KSCSTE and Oushadhi.

Facilities added with UGC Minor Project Funding

Facility added (Books, Computers, Printers, Lab equipments, refrigerator, LCD)	Amount (in Rs)
Botany - Magnetic stirrer, pH meter, Digital electronic Balance, U V Chamber	34,998
Microbiology - Incubator Orbital Shaker, Digital (Merck- Genei), Ultrasonicator-1.5 L (Rivotek), Trinocular Microscope (Labomed)	1, 57, 303
Chemistry - Books and Journals, Vacuum pump, Double distillation Unit, Thermometer Digital, Soxhlet extractor, Micro pipette, Digital Nephelo/ Turbidity Meter, Rectangular Water bath, Magnetic Stirrer And Hot, Plate, Heating Mantle, Hot Air Oven Digital, Student Monocular Microscope	1,66,738.11
History - Camera, Books and Journals, Recorder	46, 690
Mathematics - Laptop & Scanner	50,000
Malayalam - Books and Journals	35,000
Sanskrit - Books and Journals, Camera & Scanner	52, 000

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

Research Scholars from other institutions can avail of the reference facility of the College Library. The Department of Microbiology and Botany extend their lab facilities to outside research scholars for doing research. Smt. Alby Alphonse makes use of the Botany Lab for her research work under Dr. Regi Raphael. K, Head of the Department of Botany.

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

The library provides excellent e-resource facility to all the faculty and students through N-LIST. The Library is well equipped with high speed internet facility which facilitates the use of e-resources from in-house/remote access. The library is fully automated with the help of the integrated multi-user library software LIBSOFT. The College has a Research Centre and Computer lab with internet facilities for research scholars of the Mathematics Department. INFLIBNET facility is available to all the researchers and the students of the College. Microbiology and Botany laboratories are used by researchers from the college and other institutions. The Tissue Culture Lab provides facility for research in Tissue Culture Multiplication.

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



A medicinal/herbal plant garden has been set up in the College in collaboration with Oushadhi. The two UGC sponsored B. Voc courses have collaboration with industries. Under the agreement the industries will provide their facilities and equipments and also give training and internship to students.

3.4 Research Publications and Awards

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

- **Patents obtained and filed (process and product)**

Name	Patents
Krishna Yathi (Dept. of Biotechnology)	International PCT Application No. : PCT/IBT2012/051458
	National Patent Application No.: 980/CHE/2011 A (Published)

- **Original research contributing to product improvement**

Name / Department	Research Area	Improved Product
Botany	Tissue Culture	Improved varieties of plants
Botany	Herbal Garden	Transfer of knowledge about medicinal plants
Botany	Medicinal Plants	Promote culture of growing indigenous medicinal plants and using them for common ailments
Dalie Dominic A.	Fish transportation	Improved techniques for live fish transportation
Dr. Regi Raphael K.	Pharmacological properties of <i>Phyllanthus amarus</i>	Medical formulation for diabetes, Jaundice
Dr. Deepa G Muricken	Cloning and site directed mutagenesis of Bowman-Birk Inhibitor from Horsegram.	rTID is developed as a prospect for drug design.
Dr. Dhanya K.C	Biological activities and cellular radioprotecting properties of metal/metal oxide nanoparticle bound drugs and phytoceuticals	Application of nanoparticles for targeting drugs to tumor cells for tumor treatment.
Dr. Litty Mathew Irimpan	Spectral and nonlinear optical characterization of ZnO nano composites.	Nano ZnO can be used as sunscreen lotions and People working in laser industry use Goggles to protect eye from harmful radiation.



Dr. Mabel Merlen Jacob	Microbial Trans-glutaminase	Transglutaminase isolated was found to be potent in improving the physicochemical properties of fructooligosaccharides enriched yoghurt.
Dr. Meera C R	Antineoplastic properties of polysaccharides isolated from <i>Phellinus rimosus</i> (Berk) Pilat	Anticancer property of polysaccharides isolated from a wood rotting macrofungus <i>Phellinus rimosus</i> (Berk) Pilat
Dr. T. Geetha	Impact of Teak & Eucalypt Monoculture	The study highlights the importance of management practices in soil recuperation.
Dr. Bincy Joseph	Synthesis and characterization of three new Schiff bases and their 8 Transition metal complexes.	Two new corrosion inhibitors were introduced.
Dr Julie P Lazar	Economic Analysis of Indian Railways	Exhibits current trends and defines ways to improve the railway system
Krishna K Yathi	Chikungunya	Rapid, cost effective and specific detection method that helps to diagnose and manage the disease at an earlier stage was developed.
Dr. Manju Sebastian	Transition metal complexes of quinoxaline based Schiff base ligands	A novel benzothiazolidine derivative, 3-(2,3-dihydro-1,3-benzothiazol-2-yl) quinoxalin-2(1H)-one, has been synthesized and characterized
Dr. Rekha K	Effect of organic and inorganic fertilizer on the rhizosphere mycoflora of <i>Solanum melongena</i>	Increase in the plant growth and microbial population
Sr. Dr. Meena K Cheruvathur	Traditional properties of <i>Rhinacanthus nasutus</i>	Identified as Anti-infectious agent against wide range of microbes.
Alby Alphons baby	Bioactivity screening of traditional plants	Antimicrobial, antihelminthic identified in <i>Hygrophilla acuminata</i> , <i>Bauhinia Phoenicia</i> , <i>Beumontia jerdoniana</i> , <i>Abrus precatorius</i> .
Celine P.C	Study on Syrian Christian Women	Community development through women empowerment.



- **Faculty Research Surveys benefiting the community or improving the services**

Topic	Target Group	Impact	Name
Educational and Regionalism, A Sociological Study in the Context of Thrissur, 2013-14	People of Thrissur	Effect of education and regional dynamics	Dr. Binu K
Ethnomedical survey, 2013-14	Traditional practitioners	To identify traditional medical formulations	Ms. Alby Alphons Baby
Migrant construction Workers in Kerala, 2013-14	Migrant Construction Workers	To identify the Social profile and working conditions	Dr. Julie P Lazar
Women construction Workers in Kerala, 2012-13	Women construction Workers	To identify the Socio economic profile	Dr. Julie P Lazar
Market survey of indigenous ornamental fish export, 2012-13	Export fish	To explore trends of indigenous ornamental fish export	Ms. Dalie Dominic
Satisfaction survey of commuters of Indian Railways, 2011-12	Commuters of Indian Railways	Analyse the passengers satisfaction towards Indian Railways	Dr. Julie P Lazar
Satisfaction survey of transporters of parcels through Indian Railways, 2011-12	Parcel Transporters of Indian Railways	Analyse the parcel transporters satisfaction levels	Dr. Julie P Lazar
Rail-Road complementarities, 2011-12	Commuters by Rail or Road	Identify the preference of commuters over rail or road	Dr. Julie P Lazar
Satisfaction Survey of Employees of Indian Railways, 2011-12	Employees of Indian Railways	Evaluate the satisfaction levels of employees	Dr. Julie P Lazar
Safe Food Habits among Train Passengers, 2011-12	Train Passengers	Assessment of Food habits and lifestyle	Dr. Binu K
Survey of Ichthyofaunal diversity of Keecheri – Puzhakkal river systems of Kerala, 2010-12	River fish	To identify fish patterns of fish distribution in the rivers	Ms. Dalie Dominic



Effect of internet on scientific communities in Kerala, 2010-11	Scientist	Productivity of internet utilisation	Dr. Binu K
Concurrent Evaluation of Lifestyle of Forest Village in Shendureny Wild Life Sanctuary, 2010-11	Forest Non-Tribal Villages	Forest Dependency Profile	Dr. Binu K

• **Research inputs contributing to new initiatives and social development**

Researcher	Research input	New initiative for Social development
Dr. Deepa G. Muricken	Cloning and site directed mutagenesis of Bowman-Birk Inhibitor from Horsegram.	The expressed rTID was purified to homogeneity and was evaluated. This smaller peptide is a better prospect for drug design targeted at tryptase, the enzyme implicated in inflammatory, allergic disorders and multiple sclerosis.
Dr. Dhanya K.C	Biological activities and cellular radioprotecting properties of metal/metal oxide nanoparticle bound drugs and phyto-ceuticals.	The potential of the complex under radiation/chemotherapy situation was explored and it was observed that it could offer preferential protection to various organ systems against radiation/drug induced damage.
Dr. Litty Mathew Irimpan	Spectral and nonlinear optical characterization of ZnO nanocomposites.	The ZnO based nanocomposites are potential materials for enhanced and tunable light emission and for the development of nonlinear optical devices with a relatively small optical limiting threshold.
Dr. Mabel Merlen Jacob	Purification, Characterisation and Bioactive properties of Microbial Transglutaminase.	Streptomyces griseocarneus MTCC 328 was found to produce the enzyme at about 0.09 U/ml and it was found to be potent in improving the physicochemical properties of fructooligosaccharides enriched yoghurt.
Dr. Meera C R	Studies on the anti-neoplastic properties of polysaccharides of Phellinus rimosus	The study revealed that the polysaccharides of P.rimosus isolated were pure β -D-(1 \rightarrow 6) glucans. These polysaccharides showed significant anti-tumor activity.



Dr. Regi Raphael K	Studies on the Microflora of Stored Vanilla Beans	It was determined that the consumption of vanilla did not pose any threat to the consumer provided that they are properly stored.
Julie P Lazar	Economic Analysis of Indian Railways	The study points out increased need for providing more and better amenities to the commuters, transporters and employees of Indian Railways
Dr. Krishna K Yathi	Research work on Chikungunya	New method for control of chikungunya
Dr. Parvathy K. S	The Properties of Convex bodies fascinated several mathematicians and scientists and that led to the development of abstract convexity spaces Graph convexity. Two types of convexity in Graphs were studied.	Main results were regarding Minimal path convexity Geodesic iteration number. H-Convexity-Arity. A conjecture on centres of chordal. Graphs was proved in negative Solvable trees. Cyclic convexity of Graphs
Dr. Rekha K	Effect of organic and inorganic fertilizers on rhizosphere, mycoflora of Solanum melongena	Results revealed a significant increase in the plant growth and microbial population when organic fertilizers were used compared to inorganic fertilizers. Pythium and Aspergillus niger were found to be the predominant species in the rhizosphere.
Dalie Dominic A.	Indigenous ornamental fishes of Keecheri-Puzhakkal river system	The transportation studies evaluates use of green anaesthetic to combat stress of handling and transportation of fish.
Sr. Meena K Cheruvathur	Study on <i>Rhinacanthus nasutus</i>	The traditional properties of this plant was identified as an anti-infectious agent against wide range of microbes. A reliable highly efficient, rapid in vitro protocol for the production of plantlets from various explants of R.nasutus were developed.

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

The College publishes annually a Journal of Pure and Applied Sciences – Annals of Basic and Applied Sciences with ISSN No 2277-8750 funded by the Management.



Composition of the Editorial Board

Editor - Dr. Meera C
Associate Editors - Dr. Dhanya K.C, Dr. Geetha T, Dr. Mabel Merlen Jacob, Dr. Manju Sebastian
Editorial Board - Dr. Regi Raphael K, Dr. Rekha K, Dr. Kezia Kuruvilla (Vimala College, Thrissur), Dr. Sheeja T. Tharakan (Vimala College, Thrissur), Dr. Manju Madhavan (Vimala College, Thrissur)
Scientific Advisory Board - Sr. Dr. Jacintha,C.C. (Principal, St. Mary's College, Thrissur), Dr. K. K. Janardhanan (Professor, Department of Microbiology, Amala Cancer Research Centre, Thrissur), Dr. C. K. K. Nair (Dean, Pushpagiri Institute of Medical Sciences & Research Centre, Thiruvalla), Dr. S.G. Prapulla (Head, Department of fermentation technology and Bioengineering, CFTRI, Mysore), Dr. Valsa A.K. (Department of Microbiology, Sree Sankara College Kalady)

3.4.3 Give details of publications by the faculty and students:

Faculty has published papers in international and national journals. Faculty also present papers in seminars and conferences. Dr. Hemamalini M, Department of Malayalam has edited a book *Vagartha Prathipathi* published by DC Books

Publication per faculty	1.58
Number of papers published by faculty and students in peer reviewed journals (national/international)	126
Number of publications listed in International Database (for Eg. Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host.	30
Monographs	-
Chapter in Books	9
Books Edited	1(in print)
Books with ISBN/ISSN numbers	4+1(in print)
Citation Index	817
SNIP	23.335
SJR	12.358
Impact factor	71.696
h-index	45

Books with ISBN/ISSN numbers with details of publishers

Faculty	Books Published	Year	Publishing Agency	ISBN
Litty Irimpan	Spectral and nonlinear optical characterization of	2012	LAP LAMBERT Academic Publishing, Germany	978-3-659-15434-8



	ZnO nanocomposites			
Meera C.R.	Medicinal properties of the edible mushroom - Pleurotus florida- Antimicrobial and anti-oxidant activities	2012	LAP LAMBERT Academic Publishing, Germany	978-3-659-19991-2
May Flower K.A	Impacts of Terrorism and Communalism in Hindi Novels (Post 1970)	2011	Jawahar Publications	978-81-811-210-1
Dalie Dominic A	The Smile	2011	-	978-81-8465-331-1
Hemamalini M	<i>Kanmashi kondu Suryane Varakyumbol</i>	(in print)	Prabhat Books	-

3.4.4 Research awards received by the faculty provide details (if any)

Research awards received by the faculty

Name	Awards/ Recognition	Awarding Body	Year
Dr. Litty Mathew Irimpan	Leading Scientist of the world-2012	International Biographical Centre, England	2012
	Best Publication Award	ISI Web of Knowledge	2012
Dr. Rekha K	Best research paper award	Department of Botany, St. Teresa's College, Ernakulam	2014
Dalie Dominic	Third Prize, Paper Presentation, Competition	S N College, Pattambi	2012
Dr. Dhanya K.C	Best Poster Award	Department of Zoology, University of Rajasthan	2012
Dr. Meera C.R	Second Best Poster Award	Amala Cancer Research Centre, Thrissur, India.	2010
	Best Poster Award	Amala Cancer Research Centre, Thrissur	2013
	Best Poster Award	B.K. College, Amalagiry, Kottayam	2013
Alby Alphons Baby	Best Poster award	IQAC, St. Mary's College, Thrissur	2013



Faculty members awarded Ph.D in last 5 years

Name	Topic	Year
Dr. Binu K	Effect on Internet on Scientific Communities in Kerala	2014
Dr. Julie P Lazar	An Economic Analysis Of Indian Railways; A Study on Two Railway Divisions	2014
Dr. Mabel Merlen Jacob	Microbial Transglutaminase: Purification, Characterization and Bioactive properties.	2013
Dr. Dhanya K. C.	Biological activities and cellular radio protecting properties of metal/metal oxide nanoparticle bound drugs and phytochemicals	2013
Dr. Deepa G Muricken	Cloning, expression and site directed mutagenesis of the Bowman-Birk Inhibitor of horsegram (<i>Dolichas biflorus</i>)	2012
Dr. Manju Sebastian	Transition metal complexes of quinoxaline based schiff base ligands: synthesis, characterization and catalytic activity study	2011
Sr. Dr. Meena K Cheruvathur	In Vitro propagation, phytochemical analysis and antimicrobial studies of <i>Rhinacanthus nasutus</i> Linn. (Kurz)	2011
Dr. Meera C R	Studies on the antineoplastic properties of polysaccharides isolated from a wood rotting macrofungus <i>Phellinus rimosus</i> (Berk) Pilat	2010
Dr. Josepheni Joseph	The crusade against materialism: a study of alienation in E. A. Robinson's poetry	2010

Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

- Dr. Josepheni Joseph has been awarded the *Sadguru* Award By University of Calicut in 2014
- Dr. Litty Mathew Irimpan won the Award Leading Scientist of the World-2012 by International Biographical Centre, England
- Dr. Litty Mathew Irimpan won the Best Publication Award by ISI Web of Knowledge in 2012
- Dr. Dhanya K.C won Best Poster Award in the International Conference on Cancer Prevention, Diagnosis and Treatment in 2012
- Dr. Meera C.R won the Second Best Poster Award in the International Conference on Current Trends in Free Radical Research and Herbal Antioxidants, Society For Free Radical Research in 2010

Incentives given to faculty for receiving state, national and international recognitions for research contributions.

The management has always encouraged faculty and students to pursue research. Infrastructure and library facilities are provided to the researches. The award winners



are honoured at functions. The staff club and PTA honour the PhD and other awardees with mementos.

3.5 Consultancy

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

In the last five years the College has realized the urgent need for interaction with the industry for providing practical knowledge to the students. So in addition to the industrial visits which have become part of College tradition for a long time the College is promoting a greater involvement of the industry in academics of the institution. The Department of Botany collaborates with Oushadi, the largest manufacturer of ayurvedic medicines in public sector who have been providing medicinal plants as well as financial assistance for the last three years. PG students are encouraged to do research in industry. Talks and Seminars are organized from time to time to provide awareness on the need for academic industry interaction. As industrial collaboration is mandatory in the 2 B Voc programmes introduced in this academic year MOUs have been signed with Wi3 Solutions Thrissur and e-icon Solutions, Thrissur for sharing infrastructural facilities and equipment of these industries. These industries will also provide resource persons and placement services.

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

The Consultancy Cell was constituted in 2012-13 to promote consultancy in the institution. Though the Departments had been doing free consultancy at the time of the re accreditation in 2010, paid consultancy was introduced in select departments in last five years. Consultancy work is mainly done as a Department activity and individual faculty are not much involved in consultancy. Though much publicity is not given, the public come to know of the consultancy work through the stakeholders and the beneficiaries.

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

Due encouragement is given by the Management and Principal to the staff for using their expertise for consultancy. Permission is given to the faculty to utilize the facilities of the college for their consultancy.

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

Consultancy Areas	Name of the faculty
Research consultants	Dr. Regi Raphael K, Dr. Rekha K, Dr. Meera C R, Dr. Dhanya K C, Dr. Sr. Meena K. Cheruvathur, Dr. Mabel Merlen Jacob, Dr. Deepa G Muricken



Proof reading	Dr. Bindu Ann Philip
Subject experts (PSC, Management Nominee for Faculty Interview)	Sr Dr Jacintha C.C. Sr. Dr. Magie Jose, Dr. Parvathy K S, Dr. Regi Raphael K, Dr. Josepheni Joseph, Dr. Litty Mathew Irimpan, Smt. Betsy Chacko, Sunitha A C, Smt. Sheeja P J
Question paper setter (PSC, IGNOU, CUSAT, University)	Dr. Regi Raphael K, Dr. Parvathy K S, Dr. Rekha K, Dr. Binu K, Dr. Geetha T, Sr. Dr. Meena K Cheruvathur, Dr. Josepheni Joseph, Dr. Hemamalini M, Dr Treasa K I
Chaired National Seminar Sessions	Dr. Josepheni Joseph, Dr. Regi Raphael K, Smt. Dalie Dominic A, Dr. Julie P Lazar, Dr. Litty Mathew Irimpan, Smt. Sowmya K, Dr. Hemamalini M, Dr Treasa K I
Board of Studies/Editorial Board/ Committee Members	Dr. Josepheni Joseph, Sr. Dr. Magie Jose, Dr. Hemamalini M, Dr. Litty Mathew Irimpan, Reena A R, Lt. Anu D Alappat
Tax Consultation	Dr. Parvathy K S
Resource Persons	Sr. Dr. Jacintha C.C, Dr. Regi Raphael K, Dr. Rekha K, Dr. Parvathy K.S, Smt. Dalie Dominic A, Dr. Litty Mathew Irimpan, Dr. Binu K, Dr. Julie P Lazar, Dr. Sr. Meena K. Cheruvathur, Dr. Geetha T, Dr. Hemamalini M
ASAP Master Trainers	Dr. Josepheni Joseph, Smt. Jency James, Smt. Keerthy Sophia Ponnachan, Smt. Manasy Jayasurya
Quality Assurance Consultation	Dr. Josepheni Joseph, Dr. Julie P Lazar

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

The Consultancy Cell has decided that the income upto Rs. 1 lakh from consultancy will go to the Faculty/Department. If the amount exceeds Rs. 1 lakh, 10 percent of the proceeds will go to the College Fund.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

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

The College has a long tradition of commitment to the society and the community around. It is this urge to provide benefit to the society that led to the formation of Social Service League in 1951. The Social Service League established a crèche, nursery and a tailoring unit at Nadathara to empower the women and children of the Panchayat. The Kerala State Social welfare Board has been providing financial assistance for the same for the past 36 years. Due to managerial problems the College has decided to shift the crèche, nursery and tailoring unit to a locality close to the



institution. In 2013 the College adopted St Mary's Convent U.P School, Chiyaram and sponsored 40 underprivileged children of the School. The College monitors the development of these children during the sponsorship period and provides remedial classes and organize 3 day summer training camp for them. An amount of Rs. 20000 is spent each year solely for providing study kit for 40 students of St Mary's C.U.P School. The College has a very active NSS comprising of two units and they have been working towards the goal of social and community upliftment in a variety of ways. A Computer –literate society is the ideal for which the Department of Computer Science is working and they have taken an oath on 2nd Dec 2013 to provide the light of computer knowledge to 13 communities. The target group includes students and parents of students of BRC Ollur, Ammasangham members of Lourde Forane Church, laboratory, office and guest ministerial staff of St Mary's College, students of St. Mary's C.U.P. School Chiyaram, students and teachers of Pope John L.P.S. Kuriachira, parents of SSA unit Thrissur, students of St. Annes C.H.S. Thrissur, and students of Govt. Nursing School, Thrissur. The Department of English has started an Organ Donation Awareness Programme '*Santhwana Sparsham*' to create awareness in the students and the faculty on the need for organ donation and to enlist willing donors into the programme. The '*Vatsalyam*' project of the Department of Economics provides financial and material help to the poor and the needy. The Department of Economics has initiated a Help Desk which lends assistances in filling up very important forms like widow pension form to the under privileged and illiterate. In collaboration with the IMA the Department of Biotechnology has been organizing a Blood Donation Camp every year for the past 9 years.

The Department of History is very active in in the field of pain and palliative care. The NSS and NCC students act as volunteers for important public function and programme outside and inside the College. To ensure a clean and healthy environment for all, the College has started a cleanliness drive "L' Aria Fresca -Clean Campus Clean City". As part of Compulsory Social Service and the quest for service to humanity, students of different departments visit old age homes, serve inmates in hospitals and so on. With the introduction of the BSW Programme this year the community extension activities of the institution have received momentum and has already resulted in an MoU with Kolazhy Panchayat for adopting and making Kolazhy Panchayat a child friendly Panchayat.

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

The Community extension activities are organised by the departments various clubs, forums and cells under the leadership of the concerned Tutors and Coordinators. Hence tracking the student involvement in various community oriented activities is not difficult. Records and details of programmes and student involvement is maintained.

3.6.3 How does the institution solicits take holder perception on the overall performance and quality of the institution?



The annual feedback from the different state holders provide the institution with a perception of the overall performance and quality of the institution. The feedbacks are analyzed and measures are taken to remedy the drawbacks if any and improve the quality of the institution. The high demand ratio is the evidence for the excellent rating of the overall performance of the College in the community.

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

The Management has a practice of devoting 20 percent of the salary of the sister staff for the noble cause of serving the society. The plans for extension and outreach programmes are designed by the Departments and Committees and submitted before the College Council. After elaborate discussion the plans are formulated and implemented by the concerned committees and departments. The establishment of the Social Work Department this year has added an impetus to the social work activities of the College and the College Council has decided to entrust the overall charge of Institutional Social Responsibility of the College to the Department and Social Work. The Social Work Department has future plans to tap on the institutional social responsibility of NGO's for pooling resources for implementing the social service activities of the college.

Faculty and students are actively involved in all the extension activities. Active and vibrant human resource provided is the major resource for the extension. The extension and outreach activities develop volunteer service, commitment to society, oneness and unity, ethical values, self-esteem and self confidence in the students.

Funds allotted for Outreach and Welfare

	2010-11	2011-12	2012-13	2013-14
NSS	44500	44500	44500	89000
Staff welfare fund	51500	13525	47595	14500
CASP/St. Mary's Square Outreach	9128	14567	27269	33610
Social service league	100000	108552	110000	108012
Bhoomithrasena	16574		22600	21400
Sister staff charity contribution	531638	907322	1210086	1098212
Departments	14200	5000	12737	10325

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

The College has two NSS units and an NCC Unit which are very active in discharging the duty of a citizen to the society and Nation. The two NSS Units are in the charge of two able and trained faculty Sowmya K and Swapna K who guide the



NSS volunteers with great sincerity and responsibility. The dedicated Lt. Anu D Alappat who attended the three month PRCN Course at OTA Gwalior is in charge of NCC. The encouragement of staff in charge and the strong desire to serve the community and nation have attracted students to the extension programmes. The University also encourages students to become members of NSS, NCC etc. by providing grace marks for the same.

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

Academic Extension

Activity	Target group	Impact
Career Guidance -PSC , NET coaching classes for the rural candidates of Thrissur	Rural youth of Thrissur	Enhanced confidence and competence to face examinations
ASAP Twenty One Day Residential Camp 30-04-2014 to 20-05-2014	Third year degree students from different colleges	To enhance communicative and IT skills
Extension classes, Talks, Seminar Presentations, Orientation Programmes, demonstration classes by staff and students	Students of different schools and Colleges	Enhanced knowledge of the subject and develop more interest in the subject

Outreach Programmes

Activity	Target group	Impact
<i>Santhawna Sparsam</i> Organ Donation	All staff and students	Provide awareness about importance of organ donation
Water analysis	From nearby residents	Health Consciousness
<i>Vatsalyam</i>	Poor and Needy	Support and upliftment of the deserving
Pain and Palliative Care activities	Sick people	Comfort and care of seriously sick and bedridden
CASP	50 underprivileged school children of Nadathara Panchayat	For personality development and all round progress
St Mary's Square Outreach and Sponsorship Programme	40 students from St Mary's C.U.P. school	For personality development and all round progress
Social Service League	Poor and Deserving	Empowerment and support



Social Surveys by Students

Department/ Forum	Title	Target group	Impact
Economics	Migrant Labourers in Thrissur	Migrant Labourers	Observe the socio profile of in migrants in Thrissur
	Women Domestic Workers in Thrissur	Women Domestic Workers	Provide an exposure on the life of Women Domestic Workers
	Consumption pattern of Durable Consumer Goods	Consumers	Identify the trends in Consumption pattern
	Waste Management in Thrissur District	Residents	Identify the waste disposal techniques
Psychology	Survey on eve-teasing/sexual harassment	Female Students	Women Empowerment
NSS	Holistic Development of Students	Students	Social Development
	Smoke Free Campus	Campus	Awareness of the law of ban on public smoking
	Waste Management in Nadathara Village	Residents, Nadathara Panchayat	Awareness on effective eco-friendly waste disposal methods
	Socio-economic Survey of Migrant Laborers of Chiyaram Village	Migrant Laborers of Chiyaram Village	Reported about their issues and problems to the officials at the Thrissur Corporation
	Socio-Economic survey of paddies	Workers of Rubber Estate of Varanthara pilly village	Reported at the Panchayath about their issues and problems
	Waste Disposal	Thrissur District	To create an Environmental Awareness
Bhoomithra Club	Waste Disposal	Nadathara Panchayat	Awareness on effective eco-friendly waste disposal methods

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students



academic learning experience and specify

The objectives of the pioneers of the College in establishing this first Women's College in Thrissur as is evident from the Vision and Mission had been the holistic development and empowerment of women, inculcation of moral values and social commitment in the student community. From the very beginning the College has remained committed to these objectives. To achieve these objectives the College has implemented a number of extension and outreach programmes according to the need of the times. Academic knowledge without the support of life skills is useless and harms rather than nurtures a student. The student community has to be conscious of the duties that accompany their rights as the privileged class who have been able to get the benefits of the Higher Education system funded to a large extent by the Government of India. The College makes it obligatory that students should work for the progress of the nation, society and community. Through the extension and outreach programmes the institution imparts love for the nation, responsibility towards fellow human beings and value education to mold them into good citizens and human beings.

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

The College has always enjoyed the good will of the community and the Government at all times in all its activities. The social service activities of the institution have enjoyed the patronage and financial assistances of the local community and the Government. The realisation of the Silver Jubilee Memorial Marian Kudumbakshema, Paddhati by which 25 houses constructed for the poor was possible only with financial support from the well-wishers of the institution. In the last four years too. The College has been backed by the local community in all her endeavors. MLA fund of Rs.3,78,000 was given to the College for buying 10 Smart (interactive) Boards. A Student Welfare Fund of Rs.1,51,250 was constituted with sponsorships and participation from all the stakeholders and well-wishers of the local community as a part of the Monsoon fest 2014. In 2012-13, Staff, Students and Management have contributed an amount of Rs.488000 towards the building of house for a deserving person. The College Magazine is published every year with financial support from the well-wishers of the local community. Many of the Scholarships and Prizes for the students have been instituted by the patrons of the institution. The local community and NGOs are involved in other extension activities of the institution. The cleaning of the well in Chembukavu was done with the sanction and aid of the Thrissur Corporation. The Blood Donation Camp is organised every year in collaboration with IMA. Meet the author programme was organised with the support of the Public Library and Kolazhy panchayat in collaborating with the institution in adopting and making Kolazhy a child friendly panchayat. NSS camps are organised with the support of the local administrative bodies Nadathara Panchayat was actively



involved in the 60 year community extension activities of the College at Nadathara. The College has initiated the maintenance of Rama Varma Park under the jurisdiction of Corporation of Thrissur and plans to maintain a medicinal plant garden and promote the use of herbal medicine.

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

The College collaborated with Rajagiri School of Social Sciences in implementing CASP (Community Aid Sponsorship Programme) for a period of 8 years. The institution has an MoU with St. Mary's C.U.P. School, Chiyaram for the adoption and development of 40 underprivileged children of the school. The Department of Biotechnology with the assistance of IMA (Indian Medical Association) has been organizing a Blood Donation Camp annually the past 9 years.

Department	Extension Activity	Institutions
College	Child Friendly Village	Kolazhy Grama panchayat
Department of Computer Science and Applications	Computer Literacy Workshop for Differently abled Students	Block Resource Centre, Ollukkara
Biotechnology	Outreach Programmes	Different Schools in Thrissur
Biotechnology	Water Analysis	Nearby Residents
Botany	Visit to the Botanical garden and herbal garden of the Department by the students of neighboring schools	Different Schools in Thrissur
Botany	Distribution of medicinal plants to 25 schools at Thrissur	25 schools of Thrissur District
Zoology	Participated in River Fish Monitoring Programme	Kerala State Biodiversity Board
All Departments	St Mary's Square Outreach and Sponsorship Programmes	St Mary's School Chiyaram
Economics	<i>Vatsalyam</i>	St Anne's Orphanage, Christeena Home for Destitutes, Pullazhy
English	<i>Santhwana Sparsam</i> Organ Donation	Kidney Federation of India
Departments	Compulsory Social Service	Visits to old age homes
Mathematics	House visit	Students houses



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

Dr. Binu K of Department of Sociology was honoured as the best faculty providing extension lecture by Kerala Police Academy, Thrissur

Student Achievements

- U.O. Alisha Valsan participated in the Republic Day Parade at New Delhi on 26th January 2014 and was selected as the best Contingent Commander in All India Level.
- SGT. Anna Mariya took part in the Tal Saink Camp at Delhi and won gold medal for Health & Hygiene exam in Directorate level (Kerala & LK)
- Two of our NCC Cadets SUO Krishnaja K. and SGT Prajitha K.V. attended Rock Climbing Training Camp at Gwalior. Krishnaja was selected as the senior of Kerala & LK. Group. Both were selected for guard of honour and secured gold medal.
- M/SGT. Frency P.F attend NIC camp at Kannur.

3.7 Collaboration

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

From this academic year the College has introduced two B. Voc (Bachelor of Vocational Degree) programmes -Software Development and Multimedia with the financial assistance from UGC The purpose of the course is to empower the students from backward areas and develop them under the guidance of industrialists and mould them as specialist in that particular area.

These courses are different from our traditional degree courses. As they are designed in collaboration with the industry. The industry will train the students in such a way that the students gets participation in their live projects.

Plans for involvement /interaction with industry in conducting two B.Voc programmes is as follows

- Minimum 15 expert classes by industrialists for each subject
- One simple project in each programming language in every semester.
- Industry internship in summer vacation
- Project at the end of every year with the help of industrialists
- Industrial visit each year to reputed industries
- Placements for all eligible students
- Extension of resources of the industries to the students.



An MoU has been signed with two industries namely Wi3 solutions, Thrissur for B.Voc in Software Development and e-icon solutions, Thrissur for B.Voc in Multimedia course regarding their terms and conditions.

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

The Department of English has signed an MoU with Chetana Media Institute by which resource persons from Chetana media Institute will provide practical and theory classes on media to BA English students who have Journalism and audio Visual Communication as their complementary courses. MoUs have been signed with Wi3 Solutions Thrissur and e icon solutions Thrissur for interacting and sharing resources with these industries for the transaction of the curriculum of the B.Voc courses introduced this year.

Collaboration/ Linkage/MoU's with various institutions /Community

Department/ Institution	Collaborating/Institution/ Community	Benefits Accrued/ Activities
Biotechnology	KFRI, KAU, IMA, KSACS	Industrial visit, Training, Blood Donation Camp, AIDS Awareness Programmes
Chemistry	IISC, KFRI	National Seminar, Laboratory Facility
Commerce	Bank of Baroda, Financial Literacy Centre	Student Support
Computer Science	ATEES, Sands Lab, Ovoid Studios, CIED technologies	MSc Student Project Work
Economics	Archeological Survey of India, Corporation of Thrissur, Kerala Police Academy, Forum of Free Enterprise Mumbai	National Seminar, Elocution Competition
English	Chethana Media Institute, Thrissur, Kerala Higher Education Department, Kerala Sangeetha Nadaka Academy, H&C Publishers, Attitude	Student Support, ASAP(Additional Skill Acquisition Program), National Seminar, Consultancy, Certificate Course
History	ASI, KCHR, Pain and Palliative Care, District Tourism Promotion Council	National Seminar Exhibition, Academic Enrichment, Community Extension, Club



Mathematics	KMA	National Seminar
Microbiology	Jubilee Mission Medical College, Thrissur, Kerala Agricultural University	Student Support
NSS	District Mental Hospital, Govt. Medical College	Social Service, Seminar
College	MAP Education, Insight Avenue	NET Coaching, Placement Professional Development
Psychology	Amala Medical College, Thrissur	Internship
Botany	Oushadhi	Herbal Garden

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

The College has received Rs.378000 from the MLA fund of Sri. Therambil Ramakrishnan for the purchase of 10 smart boards. The Department of Botany has the financial assistance and technical knowledge from Oushadi for their medicinal plant garden. The B.Voc courses also have industry interaction for the study, practice and internship. Staff and Students make use of the libraries and laboratories of other institutions and Universities.

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

The College has organized National Seminars and Workshops for enhancing the quality of education provided and also to inculcate new skills. Eminent personalities from diverse fields have imparted their knowledge by leading the sessions and participating in the panel discussions.

Eminent Resource Persons in National Seminars

NAAC Sponsored National Seminar on Recent Trends in Higher Education: Scope and Challenges in Governance (2014)
Amb (Rtd) T.P. Sreenivasan, Vice Chairman , Kerala State Higher Education Council, Prof Y M Jayaraj, Dept. of Microbiology, Gulburga University, Sri. Sijo Kuruvila George, Director Board Member ,Start Up Village, Kochi, Prof Mohandas Menon, Dty Vice Chancellor Academic, Wawasan Open University, Malaysia, Sri M. P. Ishak , Deputy Director Collegiate Education Thrissur



UGC Sponsored National Seminar Hypokinetic Diseases and Wellness of College Students(2014)
Dr. Arvind Malik, Associate Professor in Physical Education, Kurushetra University, Haryana, Dr. Sudhir G P, Associate Professor and HOD, Dept. of Physical Education, Christian College , Kattakada, Dr. K P Manoj. Asst Director in Physical Education, University of Calicut, Dr. Suresh Kutty K, HOD, Dept. of Physical Education, Kannur University, Dr. Mary Antony, HOD, Dept. of Physical Education, Vimala College, Thrissur, Dr. Bimal C A, Medical Officer, Rama Varma District Ayurveda Hospital, Dr. Mahesh Krishnan, Orthopedician, Elite Hospital, Thrissur, Smt. Preetha Balachandran, Hatha Vidya Gurukulam, Thrissur
UGC Sponsored National Seminar Microbes for Green Environment (2014)
Prof. Dr. D J Bagyaraj, Chairman, Centre for Natural Biological Resources & Community Development, Bangalore, Dr. Sumi Mary George, Assistant Professor, Sree Sankara College, Kalady, Dr. A A Mohammed Hatha, Associate Professor, Dept. of Marine Biology, Microbiology& Biochemistry, CUSAT, Ernakulam, Dr. Radhakrishnan E K, Assistant Professor, Dept. of Microbiology, School of Biosciences, M G University, Kottayam, Dr. Binod Parameswaran, Scientist, Division of Biotechnology, NIIST (CSIR), Trivandrum, Mr. Gopinathan C, Associate Professor, Dept. of Biotechnology, University of Calicut, Thenjippalam
National Workshop on Translation (2014)
Prof. KP Sankaran, Rtd. Professor, Regional Institute of Languages, Mysore, Prof. Kamala Devi, Rtd. Professor in Malayalam, Mysore University, Smt Rema Menon, Translator, Dr Arsu, Visiting Prof. in Hindi, Central University, Kasargod, Dr Muraleedharan, Faculty in Sanskrit ,SSUS, Kalady
UGC Sponsored National Seminar Frontiers In Green Chemistry(2014)
Dr. E. D. Jemmis, (Padmasree Receptient) Prof, IPC Dept. IISc, Bangalore, Dr. Poovathinthodiyil Raveendran, Asso. Prof, Dept. of Chemistry, Calicut University, Dr. C. V. Krishnan, Rtd. Prof. of Chemistry, Stony Brook University, Newyork, Dr. R. Jayaraj, Scientist-B, Dept. of Non – Timber Forest Produces, KFRI, Peechi, Thrissur, Dr. K. R. Dayas, Former Director, C-MET, Athani, M.G. Kavu, Thrissur, Dr. Lissa Sreejith, Associate Prof. &HOD, Dept. of Chemistry, NIT, Calicut
UGC Sponsored National Seminar on Recent Advances in Mathematics (2014)
Dr. Sajith G, Assistant Professor, S S College, Araecode, Dr. B V Rajarama Bhut, Professor, ISI , Bangalore, Dr. Vinodkumar P. B,Dean,Rajagiri School of Engineering and Technology, Dr. P.T. Ramachandran, Professor, Department of Mathematics, Calicut University, Prof. Sunny Kuriakose, Dean, FISAT, Angamaly, Dr. Aparna Lakshmanan, Associate Professor,St. Xavier's College , Aluva
National Workshop on Digital Age Pedagogy:Perspectives and prospects (2014)
Dr. S. Senthilnathan, Asst. Prof. and Dy. Coordinator, UGC SAP(DRS) Dept. of Educational Technology, Bharathidasan University , Thiruchirappalli, Dr. G. Santhosh Kumar, Assistant Professor, Dept. of Computer Science, CUSAT, Kochi
National Seminar on Thrissur- A Kaleidoscopic View (2013)



Dr. Gabriel Simon Thattil, Prof, Dept. Of Commerce, University of Kerala, Dr. C. R. Rajagopalan, Prof, Dept. of Malayalam, University of Kerala, Dr. G.S Narasimham, Superintending Archeologist, Archeological Survey of India, Thrissur Circle, Sri. C Kumaran, Assistant Archeologist, Archeological Survey of India, Thrissur Circle, Sri. T K Pushkaran, Faculty, Centre for Folklore Studies, Thrissur Sri .V K Akbar, DYSP. Admn, Kerala Police Academy, Prof. Jagadeesh Kumar, Professor, Kerala Agriculture University, Sri. M R Pramod Kumar, Honorary Architect, Indian Institute of Architects, Kerala Chapter, Ms. Dhanya Shankar K S, Assistant Professor, Vimala College Thrissur

National Seminar on Narratology of Harvesting : A Comparative Study (2013)

Dr. Rajan Gurukkal, Visiting Prof, IISc, Bangalore, Former Vice Chancellor, MG University Kottayam, Dr. C R Rajagopalan, Professor, Dept. of Malayalam, Kerala University, Thiruvananthapuram, Dr. A K Nambiar, Visiting Prof, Dept of Malayalam, Sree Sankara University, Kalady, Former Faculty School of Drama, Former President Kerala Folklore Academy, Head, Dept. of Malayalam, Kannur University, Dr. Muraleedharan, Head, Dept. of English, St Aloysius College, Thrissur, Dr. P V Krishnan Nair, Secretary, Kerala Sangeetha Nataka Academi

National Seminar on Quality Enhancement in Higher Education through Student Support and Progression (2012)

Dr. Ann Mary Fernandez, Registrar, Karunya University, Coimbatore, Dr. C R Sivadasan, Sr Scientist and Former HOD, Quality Evaluation Laboratory, Spices Board, Cochin, Dr. Sunil Mathew, Assistant Prof in Maths, NIT, Calicut, Dr. Mani K P, Professor and Head, Dept. of Economics, University of Calicut, Dr. Joyce O J , Associate Professor, Dept. of English, Vimala College, Thrissur, Dr. Betsy Paul, Associate Professor, Dept. of English, St Aloysius College, Thrissur, Dr. Joshi C. L., Associate Professor, Dept. of Chemistry, St Thomas College, Thrissur, Dr. Varghese Paul K, Dept of Psychology, Prajyothi Nikethan College, Thrissur, Rev. Fr. Thomas Ambookan, Founder Director and Consultant, Galilee, Thrissur

UGC Sponsored National Seminar on Nano Biotechnology (2011)

Prof. V.P.N. Nampoori, Emeritus Scientist, International School of Photonics, Cochin University of Science and Technology, Kochi, Dr. Reji Philip, Associate Professor, Optics group, Raman Research Institute, Bangalore, Dr. Bindu Krishnan, Assistant Professor, Dept. of Physics, Sree Kerala Varma College, Thrissur, Dr. Joy P. Joseph, Associate Professor, Dept. of Botany, Sacred Heart College, Thevara, Dr. Krishnaprasad C., Assistant Professor, Amritha Centre of Nanoscience, Amritha University , Kochi

National Seminar on Classical Mathematics with Applications to Computer Science and Related Areas(2011)



Dr. R. Sivaramakrishnan, Former Head , Department of Mathematics, University of Calicut, Prof .T. Thrivikraman, Former Head , Department of Mathematics, Cochin University, Prof. Sunny Kuriakose, Dean, FISAT, Angamaly, Prof. N. Sridharan, Alagappa University, Karaikudy, Tamilnadu, Dr. R. Rajesh, Assistant Professor, Bharathiar University, Prof. N. Chandrasekaran, Visiting Faculty, BIM, Trichy, Dr. Vinodkumar P. B. Dean, Rajagiri School of Engineering and Technology, Dr. J. Satheesh Kumar, Assistant Professor, Department of Computer Applications, School of Computer Science and Engineering, Bharathiar University, Coimbatore Dr. Gladston Raj, Associate Professor, Department of Computer Science, Marian College, Kuttikkanam

UGC sponsored National seminar Emerging trends in Biopharmaceuticals(2011)

Dr. K.S Nandakumar, Principal Scientist, Himalaya Drug Company, Bangalore, Dr. Dipshikha Chakrovorty, Associate Professor, IISc Bangalore, Dr. Moinak Banerjee, Scientist E-II, Molecular Human Genetics, RGCB, Thiruvananthapuram Dr. C.K.K Nair, Dean, Pushpagiri Research Centre, Thiruvallla, Dr. Sheela Karalam, Special Officer (R&D), Oushadhi, Thrissur, Dr. Joby Thomas, Associate Professor, Department of Chemistry, St. Thomas College, Thrissur, Dr. P. Mohamed Shafi, Prof., Dept. of Chemistry, University of Calicut

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

a) Curriculum development/enrichment

The Department of English has signed an MoU with Chetana Media Institute by which resource person from Chetana Media Institute will provide practical and theory classes on media to B.A English students who have Journalism and Audio Visual communication as their complementary courses. MoUs have been signed with Wi 3 solution, Thrissur and e-icon solution, Thrissur. Interacting and sharing of resources with these industries for the transaction of the curriculum of the 2 B.Voc Courses introduced this year.

b) Internship/On-the-job training

MoUs with Wi3 solutions, Thrissur and e-icon solution, Thrissur have resulted in an agreement for providing internship for the B.Voc students in their industries. The Department of Psychology has linkage with Amala Cancer Hospital for internship of the Psychology students. Linkages with the industries and research institutes have resulted industrial visits to these industries and institutes.

c) Summer placement

College is yet to initiate summer placement programmes. However students are motivated for work during summer vacation as part of Earn While You Learn



d) Faculty exchange and professional development

Many of the Linkages, Collaboration and MoUs have resulted in expert and extension lecturers by faculty from other institutions.

e) Research

Nine of our Faculty are involved in PhD research. Fourteen are pursuing minor research projects with the support of UGC. Projects are carried out with assistance of KSCSTE. Dr. Regi Raphael K. of the Department of Botany in a research guide under Bharathiar University and her research scholar is doing research leading to Ph. D in the Department lab of the College.

f) Consultancy

Faculty of Departments of English is associated with H &C publications for proof reading. Students from other institutions carry out project works under the faculty of Microbiology and Biotechnology.

g) Extension

The College has signed an MoU with St. Mary's C.U.P. School, Chiyaram for the adoption of 40 children who will be provided support for academic and personality development. The College under the initiative of Social Work Department has signed an MoU with Kolazhy Panchayat for making Kolazhy a Child Friendly Panchayat. The following activities are envisaged in the project. The Department of Biotechnology collaborates with IMA for the organization of Blood Donation Camps every year. The College had a collaboration with Rajagiri School of Social Sciences for the implementation of CASP (Community Aided Sponsorship Project), Department of Economics provides support to the needy and deserving through *Vatsalyam*. *Santhwana Sparsham* by Department of English promotes organ donation.

h) Publication

Faculty of the College in association with other researchers and experts publishes books and research articles in national and international journals. Students are guided to present and publish papers in seminars and conferences organised by other institutions and agencies.

i) Student Placement

The Career Guidance and Placement Cell in association with various agencies organize programmes for enhancing the skill of students and provide them opportunity to present themselves for placement within and outside the campus. Several students are selected for placement in various organizations, in the recruitment drive organised in the College and in other institutions. The Department of Vocational Programmes



has signed an MOU with two industries Wi3 solution, Thrissur and e-icon solution, Thrissur by which the two industries have promised placements for eligible students in their industries.

j) Twinning programmes

There are no twinning programmes by the College.

k) Introduction of new courses

Two UGC Sponsored innovative B.Voc degree programmes have been introduced in the current academic year and the Departments offering these programmes have collaboration with industries for the benefit of these students. Hence the introduction of B.Voc in Software Development and B.Voc in Multimedia has resulted in the signing of MoUs for collaboration with the two industries Wi3 solutions, Thrissur and e-icon solution, Thrissur.

l) Student exchange

The institution is planning for cultural exchange with other regional, national and international institutions. The institution had arranged a cultural programme, an exhibition on Thrissur and an Interactive session on Kerala History for the faculty and students of Davidson College, USA. The Director and team, Caritas International, Germany had visited the College and our students presented cultural programmes and an interaction was arranged between the guests, faculty and students.

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

- Department of Mathematics upgraded as Research Centre.
- Faculty projects and research activities in collaboration with various institutions. Outreach and extension programmes in collaboration with different institutions and agencies
- Departments are encouraged to enrich themselves with linkages, collaborations for seminars, laboratory facilities and other student support programmes
- A consultancy Cell was formed in 2012-13 with the objective of enhancing the consultancy of the departments /Faculty.



CRITERION IV INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

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

The CMC Management has always been keen on providing good infrastructure facility for effective teaching and learning. It is this policy that has helped the College to have adequate and good infrastructure in spite of the fact that it is situated in the heart of Thrissur city. The Management has moved with the times to meet the infrastructural needs of each generation of students. A new spacious hostel was completed in 2011 to provide good residential facility to the students. 1.76 acres of land was acquired within 1.5 km radius for constructing the sports ground and indoor stadium. UGC funds are available from time to time for expansion and upgradation of infrastructure. But since UGC funds do not always meet all the requirements the management spends a large amount on infrastructural expansion.

The policy of the institution situated in the heart of the Thrissur city with regard to infrastructure has been optimal utilization of the available infrastructure and the institution is a role model in this aspect for other institutions with space constraint. The campus is limited to 3 acres and 10 cents in the main campus and 1 acre and 76 cents of sports land about 1.5 kilometres from the main campus. The institution went through an infrastructural crisis due to the rapid introduction of 4 UG, 5 PG, 2 B.VOC and a research programme in the last five years. But the effective and optimal utilization of the existing infrastructure has resulted in adequate facilities for all the curricular and extracurricular activities of the College. With the shifting of the resident students to the new hostel completed in 2011, the old hostel had become dysfunctional. The introduction of a large number of courses had brought about a shortage of classrooms. As the current building rules did not allow for the demolishment of the old hostel and a construction of a new building, the existing old hostel was renovated at an expense of Rs.2 crores with great resourcefulness to provide 36 classrooms, 3 seminar halls, 6 departments, a sick room and a gym.

4.1.2 Detail the facilities available for

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

Facility	Details
Department Staff Room	18
Class Rooms	70



Technology Enabled Spaces	<ul style="list-style-type: none"> • 14 Smart Class Rooms • 900 Seater Multi-functional Auditorium - Jubilee Hall • 3 Air conditioned , 100 seater Seminar Halls with audio visual and ICT facilities • 1 Air conditioned 145 seater Seminar Hall with audio visual and ICT facilities • 1 ICT enabled 65 seater Seminar Hall
Science Laboratories	<p>13</p> <ul style="list-style-type: none"> • Chemistry (PG and UG) • Botany (PG and UG) • Microbiology (PG and UG) • Biotechnology (PG and UG) • Psychology(PG) • Physics(UG) • Zoology(UG) • Tissue Culture • Microbiology Project Lab
Computer Labs	<p>3</p> <ul style="list-style-type: none"> • BCA Lab (40 Systems) • PG Lab(19 Systems+ Ricoh SP200 Laser Printer) • Subsidiary Lab with 43 Systems and <i>Hitachi's CP-X3030WN</i> LCD projector)
Computer Centres	<p>1</p> <ul style="list-style-type: none"> • Centrally Administered Multipurpose Computer Centre (50 Systems, EPSON LCD Projector, Smart Board, Multimedia Enabled) Language Lab Software is installed in 24 Systems
Browsing Centres	<p>2</p> <ul style="list-style-type: none"> • Internet Lab – IT Block (22 Systems, 1 Canon LBP 3300 Laser Printer, One HP Deskjet F4288 Scanner) • Internet Lab- St. Joseph's Block (24 Systems, One Canon LBP 2900 B Printer)
Gardens	<ol style="list-style-type: none"> 1. RET Garden with 100 different plant species and RET Hut with almost 25 types of climbers. 2. Orchid Garden with about 15 species which includes rare and endangered species. 3. Herbal Garden with about 500 medicinal plants 4. Fern Garden containing various terrestrial hydrophytic and epiphytic ferns



	5. Vertical Garden 6. Butterfly Garden with a variety of plants subsisted on by diverse butterflies. 7. Terrace farming
Museum	3 <ul style="list-style-type: none"> • History Museum • Chemistry Museum • Zoology Museum
Aquarium and Fish Culture Unit	Fish Aquarium run by Dept. of Zoology
Mathematics Research Centre	<ul style="list-style-type: none"> • Research Room with two computers having high Speed Internet Connectivity
Recreational Facilities	<ul style="list-style-type: none"> • Relaxation Bower • Gandhi Park • Common Room for Staff
Exam Halls	Two Exam Halls with approximate seating capacity of 110 each.
Career Guidance and Placement Cell	<ul style="list-style-type: none"> • Career Guidance Room

b) Extra-curricular activities—sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

Facility	Details
Sports	In the College Campus <ul style="list-style-type: none"> • Kabaddi Court • Kho Kho Court In the External Sports Land <ul style="list-style-type: none"> • Ball Badminton Court • Power Lifting Area • Weight Lifting Area • Table Tennis • Cycling Ground
NSS	1NSS Office Room and facilities
NCC	1 NCC Room and facilities Parade Ground
Cultural Activities	Venue <ul style="list-style-type: none"> • Jubilee Hall • Kalajyothi Open Stage • Kalajyothi Seminar Hall
Public Address System	Well Developed Public Address System in Jubilee Hall, Kalajyothi Open Stage, Seminar Halls and Announcement Room.



Communication Skill Development	Language lab facility in 24 computers of the multipurpose computer centre
Health Hub	1 Facilities in Health Hub Multi Gym, Tread Mill, Orbi Treck, Abdomen Crunch, Dumbbells, Weight Bar & Discs, Gym Ball, Judo Mat, Yoga Mat, Skipping Rope, Weighing Machine, Yoga, Aerobics and Karate Practice Area and Instructors
Community Extension Activities	Auditorium, Computer Lab, Science Laboratories, Seminar Halls, Nursery and Creche Centre Room are used for various social extension programmes.

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

The area which needs utmost planning and systematic implementation with regard to this College is infrastructure. Within a short span of 5 years, 12 new programmes were introduced. Though the management has never lagged in providing adequate infrastructure facilities in its educational institutions the case of this College was different from other institutions due to the space constraint imposed by its prime location in the heart of Thrissur city. But the Principal backed by the management with great missionary thinking and systematic planning implemented the policy of optimal utilization of existing infrastructure and has succeeded in providing adequate infrastructural facilities. Renovation, restructuring and remodeling have been effectively combined to remove the shortage of infrastructure. The renovation and restructuring of the old hostel has provided 36 new class rooms, 3 seminar halls and a Gym Centre. Implementation of innovative ideas has resulted in 2 roof top examination halls and terrace farming.

The augmented infrastructure is as follows:

No	Facility Augmented/Developed	Amount Spent in Lakhs			
		10-11	11-12	12-13	13-14



1	Renovation of St. Joseph's Block to provide following infrastructure • Multipurpose Computer Lab • Air Conditioned Seminar Hall • Research Centre	1.6	23.37	10.95	-
2	Science Laboratories	0.36	14.73	0.41	7.27
3	Exam Hall – 2	-	-	-	7.74
4	Demolition of Old Hostel	-	-	-	0.55
5	Construction of Women's Hostel	176.88	63.58	29.53	-
6	Purchase of Sports Land	513.21	-	-	-
7	Land Development for Sports	-	-	-	6.43
8	Purchase/ Upgradation of software	0.80	-	-	-
	• DDFS	-	-	-	1.30
	• Website	1.23	1.10	1.61	2.69
9	Power Supply Substitute	10.83	-	-	0.02
10	Equipments				
	• Science Lab	2.03	6.76	2.23	1.20
	• Sports	0.12	2.50	2.50	-
	• Electrical	6.46	8.06	11.97	15.47
	• Others	2.59	0.34	-	0.10
11	Furniture	1.10	0.50	6.34	3.03
12	Gardens	0.44	0.32	0.60	0.53
13	EPABX	-	0.007	0.004	2.42
14	Public Addressing System	0.22	0.51	0.22	-
15	Classroom Modernization	-	-	-	0.33
16	Smart Board	0.10	-	2.43	0.80
17	Rain Water Harvesting	-	-	-	1.15
18	Tress Work	-	-	29.53	7.74
19	Museum	-	-	-	0.10
20	Photocopier	1.26	-	-	1.14
21	Fire Extinguisher	0.32	-	-	-
22	Bio Gas Plant	3.10	-	-	-
23	Water Purifier	-	-	-	1.54
24	Incinerator	-	0.25	-	0.62
Total		722.65	122.03	98.32	68.17



Future Planned Expansions

- 2000 Seater Auditorium
- Two Conference halls
- Centralised Wi-Fi Campus
- Setting up of Multimedia Computer Lab for Vocational Programmes
- Separate Language Lab
- Extending Audio Visual facilities to all PG Classes
- Extending number of CCTV cameras
- Indoor Stadium in the Sports Land
- Community extension centre near the College
- Installation of Lift in St. Chavara-Euphrasia Block
- Installation of Network File Server
- Installation of CISCO router to facilitate the requirement of network resources.

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

The layout of the building in the campus was such that it was difficult for a student with physical disability to reach the library. To remedy this the ancient solid stairs to the upper block of the College was drilled with great difficulty and a passage was created from the central courtyard to the library, thus providing library access to the differently abled students. Classrooms are shifted to the ground level for the benefit of physically disabled student or when a student suffers an incapacitating injury. Students with physical disabilities can make use of the wheel chair available in the College. Braille material and audio cassettes are available in the College library for the benefit of the visually challenged.

4.1.5 Give details on the residential facility and various provisions available within them:

It was in 2011 that the mega project of Rs.3.7 crores, a Women's hostel with UGC assistance of 80 lakhs, was completed. The hostel is spacious, well ventilated, and clean with granite flooring, solar water heaters and biogas plant for waste management.

Hostel Facility

The hostel accommodates staff and students from the College and students from other institutions. Five faculty are residing in the College hostel.

Recreational facilities, gymnasium, yoga center etc.

Yoga training is provided to the hostel inmates by the sports students.

Computer facility including access to internet in hostel

The hostel has only one computer and internet facility is not available in the hostel.



But they can avail internet facility in the College on all days except Sundays.

Facilities for medical emergencies

First aid facility and doctors on call in case of emergency are available in the hostel. There are about 5 hospitals in 1 km radius of the hostel and dealing with medical emergencies is not a problem.

Library facility in the hostel

Newspapers and magazines are available in the common room and a library for spiritual books is also maintained. Hostel inmates can avail the College library facility from 8.00 am to 5.00 pm on all days except Sundays.

Internet and Wi-Fi facility

Hostel students can make use of the Browsing Centres of the College on all days except Sundays and public holidays.

Recreational facility-common room with audio-visual equipments

The hostel has a common room with audio visual equipments like TV and VCD player.

Available residential facility for the staff and occupancy

Residential facility is available for the staff in the College Hostel. Five faculty are making use of this facility. In addition a separate staff quarters is there which can accommodate 11 sister staff of the College. There is constant supply of safe drinking water, hot water facility from solar water heaters, laundry service once a week and telephone facility in the hostel.

Security

Round the clock security is provided by a watchman and 24 CCTV cameras are used for the surveillance of the hostel and surroundings.

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

An annual medical check-up is mandatory for all students. A sick room with first aid facility and a Doctor on call in emergency is available in the campus. There are at least 5 hospitals within a 1 km radius of the campus for medical emergencies.

Students can avail the services of qualified counselor for psychiatric problems. Sr. Grace Thomas provides counselling for the students and general public on all days and Dr. C.R. Sivadasan provides counseling to sports students. In addition to these facilities the departments provide awareness on health and hygiene to the students. Free Medical Camps, Blood Donation Camps and Disease Detection Camps are organized by the alumnae and the departments.

4.1.7 Give details of the Common Facilities available on the campus—spaces for special units like IQAC, Grievance Redressal unit, Women's Cell,



Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

Facility	Details
Auditorium	1 Wi-Fi enabled 900 seater multi-functional Auditorium equipped with the latest technology for conducting Audio Video conferencing, seminars and multimedia presentations
IQAC Room	1 <ul style="list-style-type: none">• 2 Computers• One Ricoh SP 200S multifunctional 3 in 1 Laser Printer
Prayer Room	1 A large and comfortable dedicated prayer space set aside to facilitate our personal and corporate journey in prayer.
Grievance Redressal Cell	<ul style="list-style-type: none">• 3 Opinion Boxes kept inside the campus.
Career Guidance and Placement Unit	<ul style="list-style-type: none">• Career Guidance Room• Individual Career Counselling and Career Aptitude Tests conducted by Dept. of Psychology
Counselling	<ul style="list-style-type: none">• Counselling Room with 24 hours counselling facility both for St. Marians and public.
Signage TV	High-end performance Panasonic 50-inch 1080P LED HDTV(Connected with a Computer)
EPABX	Karrel MF 128 Model with max. Of 128 extensions. The College can use up to 16 dedicated land line telephones
Public telephone Booth	A Coin Box and 2 telephone booth in the Enquiry enable students to make calls in emergency.
Photocopier Facility	6 <ul style="list-style-type: none">• Image Runner 2525 Canon – 2• Canon Image Runner 3530 – 1• Ricoh SP 200s Copier- 1• Ricoh SP 202sn Copier- 1• Gestetner Dx2430 Copy Printer- 1
Common Room for Staff	1 Facilities : <ul style="list-style-type: none">• Television• Carrom Board• Chess



	<ul style="list-style-type: none"> • Magazines
Sick Room	<p>1</p> <p>Facilities :</p> <ul style="list-style-type: none"> • Bed • First Aid Kit • Attached toilet and bath room
Recreational Spaces	<ul style="list-style-type: none"> • Relaxation Bower • Gandhi Park • Common Room for Staff
Power Supply	<ul style="list-style-type: none"> • Indoor Type High Tension Cast Resin Transformers 250KVA • Generators – 4 <ul style="list-style-type: none"> • Kirloskar Generator 125 KVA (College and Hostel) • Kirloskar Generator 82.5 KVA (St.Joseph’s Block) • Kirloskar Generator 30 KVA (Library) • Kirloskar Generator 15 KVA (College) • Capacitor panel 70 KVAR • Stabilizers
UPS Room	<p>3</p> <ul style="list-style-type: none"> • Hykon 7.5 KVA UPS - 7 • Emerson 6 KVA UPS - 1 • Hykon 5 KVA UPS - 5 • Hykon 3 KVA UPS - 5 • Hykon 2 KVA UPS - 2
Inverters	<p>7</p> <p>College : Hykon Inverter 3 KVA - 3 Hykon Inverter 1 KVA - 1</p> <p>Hostel : Hykon Inverter 3 KVA - 1</p> <p>Staff Quarters : Hykon Inverter 1 KVA - 2</p>
Fire Extinguisher	<p>33</p> <p>Ceasefire portable dry powder extinguisher, Stored pressure type – 2 kg</p>
Stationery Store	1
College Bus	24 Seater Mini Bus
Tailoring Unit	45 Sewing Machines for training the students 13 Embroidery Machines
Safe Drinking Water	<ul style="list-style-type: none"> • 2 Wells with motors of 7.5 HP and 5 HP • 4 Water Coolers with hot, normal and cold water. • 3 Water Purifiers. • Municipal water connection.



Canteen	On Contract • Time : 9.30-4.30 • Food: Both Veg and Non Veg items, Snacks, Cool Drinks etc. • Staff : 2 Members • Equipments: Fridge, Freezer, Grinder, Fume Hood etc. Staff Room : Seating Capacity : 15 Students Room : Seating Capacity : 72 Students
Bio-gas plant	4 • 6 m ³ Ferrocement Bio Gas Plant (Hostel - 1, Staff Quarters - 1) • 10 m ³ Bio Reactor Plant (Hostel – 2)
Solar water heater	1 1000 LPD capacity V-guard Solar Water Heating System in the Hostel Complex
Rain water harvesting System	4 • One 54000 L Capacity (College) • One 500 L Capacity (Dept. of Chemistry) • Two 54000 L Capacity (Hostel)
Toilets	Sufficient number of toilets in hostel and College

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes, the library has an active Library Advisory Committee (LAC). The composition of LAC is as follows.

Chairman	: Principal
Vice Chairman	: Vice Principal
Secretary	: Librarian
Faculty Representatives	: Heads of selected departments having PG
Student representative	: Student Editor

The significant initiatives that have been implemented by the Committee to render the library, student/user friendly are:

- Restructuring of infrastructure to have effective control over the users and to avoid theft and other malpractices
- Library website launched



- Upgradations of the Gate Register software and LIBSOFT Software
- Access to e-journals through N-LIST introduced.
- Organisation of orientation programmes and other user awareness programmes

4.2.2 Provide details of the following:

- **Total area of the library (in Sq. Mts.)** : 856.99 m²
- **Total seating capacity** : 157
- **Working hours**
 - Working days : 8.00 – 5.00
 - Saturdays : 9.30 – 4.30
 - Vacation : 8.00 – 4.30
- **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**

The library has two stories. The front door of the library opens to the property counter which is spacious with racks, a current awareness board and e-gate register. There are two doors in the property counter which open to the central part of the library. One door is used to enter and the other is used to exit. Next to these doors is the circulation counter. The staff in the counter can easily watch the incoming and outgoing users. The counter is set up in such a way that even if there is only one staff, she can easily watch the entire library including upstairs as its central part is without roof. At the end of the main hall two rooms are arranged, one is for the librarian and the other is for book accession procedures (work area for accessioning and cataloguing). In both the floors there are specific areas for shelves and for reading arrangements. In the ground floor right end and left end is used for shelves and tables and chairs are arranged in the center. It is a parallel arrangement. All the science subject, computer science, history and economics books are arranged in the ground floor. In the ground floor itself, left to the circulation counter, reference shelves are kept, so that the staff can easily manage to give away the requested books to the users. A small but separate area is set apart for the shelves where CD ROMs are kept. There are 14 tables, each having six chairs out of which two tables and twelve chairs are used as newspaper reading area. Newspapers are tagged and kept on separate boards on the tables. One table with six chairs is kept separately for the faculty to do their reading and reference work. Adjacent to that table new arrivals are displayed and a bulletin board is also fixed. There are 10 pillars in the central hall, and the journals are kept in shelves which are placed on both sides of the pillars. The space is utilized fully without compromising the beauty and convenience. The shelves with braille materials, thesis and dissertations are also kept in the same manner. At the end of the Central Hall is the section for five computers with OPAC and internet facility.

A staircase is provided from the main hall to the first floor. The first floor is built like a balcony having four sides and central part without roof. Two sides are fully utilized for arranging shelves. Malayalam, English, Sanskrit literature and language books, religions, ethics and Malayalam books on various science and arts subjects are arranged here. Of the other two sides, one side is arranged for reading and the other for staff reading area and Career Guidance Cell. There is also a computer for OPAC



access in the area. A small portion is set apart for reprography. It has got access from both inside the library and outside the library. At the back end of the first floor, cabins are provided to keep the bounded back volume of the journals and old newspapers.

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

To ensure the purchase and use of current titles, the librarian gets assistance from the Departments. They provide the latest and most urgent titles and the librarian makes it available in the library. The latest catalogues of various publishers also help us for the same.

Library Holdings Added	10-11		11-12		12-13		13-14	
	No.	Total Cost	No.	Total Cost	No.	Total Cost	No.	Total Cost
Text Books	980	439934	378	128624	311	133709	411	220058
Reference Books	312	278757	133	106920	41	168661	39	152592
Journals/ Periodicals	104	95264	98	61594	83	92215	74	125259
e-resources	N-LIST	5000	N-LIST	5000	N-LIST	5000	N-LIST	5000

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

- **OPAC**

The College Library has an online database of the materials which can be accessed through OPAC (Online Public Access Catalog) Five computers in the library can be used for OPAC wherein the students and teachers retrieve the bibliographic details of the document to locate the books. However, the OPAC is also accessible from the computers in the Departments. For the remote users, the Web OPAC is also available in our College website. OPAC is implemented by LIBSOFT software which was upgraded recently. It helps users to know the bibliographic information, and enables them to search books and journals author-wise, title -wise, subject-wise, index-wise and also for the location of the document.

- **Electronic resources management package for e-journal** : NIL
- **Federated searching tools to search articles in multiple database:** NIL
- **Library website**

A separate library website was launched during this academic year. OPAC and online access to e-journals are some of the special features available through the website.

- **In-house remote access to e-publications** : YES



The library provides excellent e-resource facility to all the faculty and students through N-LIST. The College is well equipped with high speed internet facility which facilitates the use of e-resources from in-house/remote access.

- **Library automation**

The library is fully automated with the help of the integrated multi-user library software LIBSOFT. Library automation is done in cataloguing, OPAC, serials, circulation, stock verification, article indexing, entry register, return register and membership.

- **Total number of computers for public access** : 5
- **Total number of printers for public access** : NIL

A Canon LBP 2900 laser printer is kept for the administrative purposes

- **Internet band width/speed in mbps** :12
- **Institutional Repository**

Institutional Repository collections are limited to publications of faculty.

- **Content management system for e-learning** :INFLIBNET
- **Participation in resource sharing networks/consortia**

The College has subscribed to the N-LIST programme of INFLIBNET which provides access to more than 6000 journals, 97000 books and a bibliographic database.

4.2.5 Provide details on the following items:

- **Average number of walk ins** : 137
- **Average number of books issued/returned** : 110
- **Ratio of library books to students enrolled** : 35:1
- **Average number of books added during last three years** : 438
- **Average number of login to OPAC** : No provision to count
- **Average number of login to e-resources** : No provision to count
- **Average number of e-resources downloaded/printed**

The library provides downloading facility. Students can download and copy them to a CD

- **Number of information literacy trainings organized** : 4
- **Details of “Weeding out” of books and other materials** :

2010	11
2011	06
2012	15
2013	05

4.2.6 Give details of the specialized services provided by the library

- **Manuscripts**

There are no manuscripts available in the library

- **Reference**

Books	: 2368
Periodicals and Journals	: 72
Research	: 136



- **Reprography**

Reprographic facility is available in the library.

- **ILL** :Not Available

- **Information deployment and notification**

The list of new arrivals is displayed on the noticeboard of the library and some of the new arrivals are exhibited on a separate rack in the library.

- **Download**

The library provides downloading facility. Students can download and copy them to a CD

- **Printing** :Not Available

- **Reading list/Bibliography compilation** :Not Available

- **In-house/remote access to e-resources**

A limited in-house collection of CDs are available in the library. Remote accessing of OPAC is possible through the College and library websites. Access to N-List is also provided through the INFLIBNET account.

- **User orientation and awareness**

User orientation and awareness classes are arranged for new comers every year .The new comers are also taken on a library tour at the beginning of every year.

- **Assistance in searching database**

The library staff assists in locating the required information both from e-resources and the books and journals available in the library.

- **INFLIBNET/IUC Facilities**

The College has subscribed to the N-LIST programme of INFLIBNET which provides access to more than 6000 journals, 97000 books and a bibliographic database.

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the College.

- The library is fully automated and open access facility is provided by 'LIBSOFT' Software.
- Assistance is given to the staff and students to get the information required at the earliest and in the easiest way.
- The library staff ensure orderliness in the library and effective issue-return process.
- Convenient and comfortable space is provided for reading and reference both for staff and students separately.
- Online access to select journals is provided through N-LIST
- Any delay regarding the receipt or renewal of journals is immediately taken into account in the library.
- The list of new arrivals is displayed on the notice board of the Library and some of the new arrivals are exhibited on a separate rack.
- Reprographic facility is available to the students and staff on payment.
- Issues relating to malfunctioning of the library computers are brought to the notice of the concerned authorities.



- The library staff are well versed regarding the collection of books in the library and guide the students in selecting the correct book for the topic concerned.
- Maintenance of records and proper upkeep of the books are meticulously done by the library staff.
- Proper fumigation of the books is done once in a year under the supervision of the library staff.

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

A collection of braille material and audio cassettes are available in the library for the visually challenged users. As the library is on the ground floor, it is easy for the disabled students to access the books and journals in the library.

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

- A complaint and suggestion box is kept in the library so that students can put their complaints and suggestions in it.
- In addition to this, feedback on the library is obtained from the overall student evaluation given by the final year students. The feedback is analyzed and necessary action is taken
- Questionnaire for feedback is under consideration from the academic year 2014-15

4.3 IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution. Number of computers with Configuration (provide actual number with exact configuration of each available system)

Total Number of Computers: 263

Sl. No.	Description	Nos
1	Dell-Intel Core i3 - 4GB DDRIII-500GB HDD 18.5" Monitor	3
2	HP-Intel Core i3 - 4 GB DDRII - 500 GB HDD18.5" Monitor	20
3	HP-Pentium Dual Core 2.5 GHz - 2 GB DDRII - 160 GB HDD - 17" Monitor	165
4	Dell-Intel Pentium 2.9 GHz - 2GB DDRIII - 500GB HDD-17" Monitor	75
Total		263



2 Machines have 14" Monitor
 5 Machines have 500 GB HDD instead of 160 GB HDD
 4 Machines have 512 MB DDR II instead of 2 GB DDR II

Servers

Servers	Domain Server (Facilitates connection between various departments) - 1 <ul style="list-style-type: none"> Dell Power Edge T110 II - Intel Xeon 3.10 GHz - 8GB DDRIII - 1 TB HDD Proxy Server (Control and filter internet connectivity) - 1 <ul style="list-style-type: none"> HP ProLian ML110 - 4 GB DDRIII - Intel Xeon 2.33 GHz - 255 GB HDD Linux CentOS Version 6.3 Library Application Server -1 <ul style="list-style-type: none"> HP ProLian ML110 - 4 GB DDRIII - Intel Xeon 2.33 GHz - 255 GB HDD Linux CentOS Version 6.3 Backup Server - 1 <ul style="list-style-type: none"> HP ProLian ML110 - 4 GB DDRIII - Intel Xeon 2.33 GHz - 255 GB HDD Linux CentOS Version 6.3 24 Port HP Network Switch Server Rack
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Other Equipments

Sl. No.	Item	Numbers
1	Laptop (HP, Thoshiba, Dell)	7
2	Laser Printers (Canon 2900b, Ricoh 200- s–sn ranges, HP LaserJet 5200n, Canon Image Class etc.)	26
3	LCD Projector	13
4	All-in-One Printer-Copier-Scanner	4
5	All in One –FAX, Copier, Scanner & Printer (Canon Image Class)	1
6	Scanner (Canon Lide, HP Scanjet 200)	4
7	Copy Printer Gestetner – DX2430	1

- Computer-student ratio** : 1: 6
- Standalone facility** : Available in 1 computer.
- LAN facility**

All the Systems for Office use are being networked into a Single Domain. Computers in the Departments are also integrated into the same domain with a different grouping. A 24 port HP switch is installed adjacent to the Office to give LAN connectivity to the office. The Departments are being bifurcated into three sections according to spatial distances. The HP Switch, installed adjacent to Office also support



LAN connections to some of the Department Computers in the main building. A Separate switch with 8 ports is installed in the Botany Lab so that the Departments in that building is connected to LAN. Another 24 port HP switch is installed in the Library Building. This switch provides LAN support to all the machines in the Library and three Departments.

The three computer labs in the main building viz. PG LAB, BCA LAB and Common LAB are connected to the general networking using 6 HP 24 Port Switches in Two racks each in PG Lab and Common Lab. The Multi-purpose Computer centre in St. Joseph Block uses 3 HP 24 Port Switches in a single rack for its networking requirement.

Most of the machines are Internet Enabled via a Linux SQUID Proxy which filters, controls and monitors Internet usage.

- **Internet Connection** : 12 Mbps broadband high speed Internet connection
- **Wi-Fi facility** : Wi-Fi facility is restricted to Auditorium and one Seminar Hall in the St. Chavara - Euphrasia Block.
- **Licensed software** :

The licensed softwares available in the institution are as follows.

1. Microsoft Campus Agreement (Yearly Renewal)
2. Semantic Endpoint Protection Antivirus (70 User License)
3. LIBSOFT (library software)
4. e-College solutions (used for exam seating arrangement)
5. Tally ERP 9

- **Number of nodes/ computers with Internet facility** : 262

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

All Computers have the Asianet broadband connection with 12 Mbps. 46 computers with internet facility are provided in the internet labs on a full time basis so that the staff / students can browse in their free times for educational purpose. Excess computers are provided with internet facility in times of need. Each department is given a computer with internet facility and a printer. Those departments having PG or more than 8 faculty are given an extra system. The students can access the internet also from the library. Each faculty member of the College is provided with an email address under the College domain name with a secure password. Restricted Wi-Fi is also enabled in the campus.

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

The plan of the institution is to provide adequate internet facility for students and faculty. Plans are underway to enable centralized Wi-Fi in the campus. More facilities will be made available to the students in the library to download and print e-journals and other related documents. Upgradation of IT infrastructure by introducing more smart classrooms and audio visual facilities especially in PG classes is also being taken care of.



A technical assistant has been appointed for the effective use of IT infrastructure in the College. Whenever necessary he attends to any work in connection with failure of systems and repair work. The E-campus Monitoring Committee consisting of teaching staff and technical expert takes care of the upgradation and deployment of IT facilities with the consent of the management. The College has embarked on the project of complete computerization of the administrative and academic activities of the College through DDFS. Agreement for Digital Documentation Filing System (DDFS) has been signed and three administrative staff have been given training in the efficient use of DDFS.

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

Details	10-11	11-12	12-13	13-14
Procurement	30,10,939	17,70,125	6,55,384	210626
Upgradation	5,70,000	5,19,050	12,400	1,09,968
Deployment	95,639	30050	3000	30968
Maintenance	5072	20210	20430	71862
Total	3595550	2339435	691214	423424

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

The College believes in the policy of evolving with the age. So an earnest effort has been made by the College authorities to evolve new teaching-learning methods involving extensive usage of ICT resources. The following are some of the strategies used for extensive use of ICT resources.

- All final year classes (PG as well as UG) of the College are provided with ICT enabled multimedia projectors for lively presentation of academic topics.
- The College has five ICT enabled Seminar Halls with modern audio-visual system.
- The departments are provided with one/two desktop computers with internet facility and a printer.
- Laptops and portable LCD projectors are also being used as and when the need arises.
- INFLIBNET facility is available.
- Two browsing centres are available exclusively for students and staff.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching-learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the



institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

The promotion of ICT enabled teaching/learning has shifted the focus of the learning process and has resulted in student centred learning with the teacher acting as a facilitator.

The following strategies have been adopted to make higher education provided by the College student centric.

- E-assignments
- ICT enabled lecture classes
- ICT enabled seminar presentations
- Peer teaching
- Online topic search is encouraged.
- Online Assignment and Project Correction

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

The institution has applied for the National Knowledge Network connectivity and will soon be availing this facility.

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

The Governing Body, Principal and various committees work together to ensure allocation of financial resources for the different areas of maintenance on the basis of priority. Great care is taken to make sure that the funds are used for the maximum advantage of the students.

	10-11	11-12	12-13	13-14
Land & Building	166974	136382	422692	1380566
Furniture	68201	4600	39663	177810
Equipment	35586	11363	27065	24693
Computer	5072	20,201	20,430	71,862
Vehicle	90,000	67089	21,910	29,747
Any Other	54,453	15,640	11,962	4300
Total	420286	255275	543722	1688978

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the College?



In addition to the permanent employees, additional staff members are appointed on monthly wage basis for the maintenance and upkeep of the infrastructure facilities and equipment of the College. AMCs are taken for the maintenance of costly equipments. Maintenance is never delayed and hence the equipments are in good form and money is not wasted in unnecessary maintenance.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

Calibration is usually done annually. It is also undertaken as and when required.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

Steps taken for upkeep and maintenance of sensitive equipment

- A 250KVA Indoor Type High Tension Cast Resin Transformers is established to resolve the voltage fluctuations.
- There are Three UPS rooms with 20 UPS, 6 inverters to support the computer systems in case of power failure.
- Maintenance is done periodically to facilitate uninterrupted functioning of computer systems/electronic appliances.
- Four Generators are also established inside the campus.
- Computers are maintained by an in-house technician. Each laboratory has an assistant who ensures that the computers are used properly and sensitive information and equipment is handled with care.
- 33 Fire extinguishers are kept at major places.

Steps taken to ensure constant supply of water

- Pure drinking water is provided to the students and faculty throughout the College, hostel and staff quarters with the help of 2 wells with powerful motors.
- Three water purifiers and four water coolers with hot, normal and cold water are available in the campus.
- Municipal water connection is also available in the campus.
- Rain water harvesting has been implemented.



CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

The institution publishes its updated prospectus/ handbook every year. The Academic Calendar of the College contains the vision, mission, and crest, motto of the College, telephone numbers and email address. The details of programmes offered, admission procedure, fee structure, rules and disciplinary procedure, academic calendar, Library rules, scholarships, academic calendar, facilities in the campus, student support services, clubs, forums and associations, extension activities, hostel, College union election, teaching and working days and a short chronicle of the College are also included in the academic calendar. The details of teaching and non-teaching staff, different committees, and contact numbers of administrators of Calicut University are part of the Handbook.

Prospectus contains the Vision, Mission, Crest, and Motto of the College, telephone numbers and email address. Courses offered, rules of admission, fee structure, dress code and other general instruction are also notified in the prospectus. The language in the information brochure is simple and comprehensible to the students. The College Website gives a detailed account of the College, its activities, facilities, rules and regulations, support services, extension activities, faculty details and so on. Alumnae can register through the College website.

The Vision and Mission of the College aims at moulding coming generations to serve as responsible citizens of the Nation, with deep rooted commitment to the society. Admission to various courses are conducted providing equal opportunities to all sections of society as per the norms of the Government. No capitation fees or donation is charged for admission and staff recruitment. There is utmost transparency in the activities of the institution. The College adheres to the rules and regulations of the government and ensures participatory management. The institution functions in accordance to the details prescribed in the College Calendar.

5.1.2 Specify the type, number and amount of institutional scholarships/ freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

In addition to the financial aids from the Central, State governments and other national agencies, the College has instituted merit scholarships, prizes, awards for academic and other co-curricular excellence. To make higher education available to the economically backward students, College has the internalized practice of assisting them with financial support and other freeships. The deserving students are identified



and provided with financial assistance, fee concession, subsidized hostel accommodation, free uniforms, free books and other study materials, free meals etc. Contributions from the Management, staff, alumnae, parents and funds from well-wishers are utilized to bring relief to the deserving students.

Category	Number of Students				Total No	Total Amount
	2010-11	2011-12	2012-13	2013-14		
Endowments and Prizes by Management, staff, students, alumnae, SMART and PTA	111	105	141	113	392	190260
Food and establishment (hostel)	27	26	31	35	119	3215000
Research Fee concession	45	59	65	111	280	177500
PTA Fee concession	53	73	158	173	457	168750
Govt. and other fee concession	-	2	-	5	7	44610
Freeships by Depts.	13	20	31	28	125	57240
Free Books	31	31	31	31	124	82000
Free meals	1	2	2	1	6	14750
Social service league			8		8	11355
Other financial support	8	11	12	17	48	176300

5.1.3 What percentage of students receive financial assistance from state government, central government and other national agencies?

All the Students are made aware of the financial support provided by the Government at the time of admission. Information regarding Scholarships and other stipends are announced through microphone and also displayed on notice board. The faculty in charge and staff in charge of College office provides assistance to the students in this regard. They attend seminars and meeting to get up to date information.

Group	Number of Students				Total No	Amount Total
	2010-11	2011-12	2012-13	2013-14		
SC	125	132	150	153	560	4674514



FC	8	17	13	16	54	166325
OEC	12	13	17	16	58	588637
SEBC	22	18	11	18	69	226445
KPCR	227	136	200	213	571	1387895
ST	3	4	2	6	15	199909
OBC	40	62	69	66	237	437840
UGC stipend	100	162	-	-	262	360000
Central sector Scholarship	2	8	3	9	22	220000
Suvarna Jubilee	31	23	20	17	91	910000
Blind/PH Scholarship	-	-	-	1	1	4000
C.H Muhammed Koyas	-	-	-	3	3	12000
District Merit Scholarship	-	-	-	1	1	1250
Hindi Scholarship (HS)	-	-	2	2	4	2000
Post Metric Scholarship	34	9	42	53	138	414000
State Merit Scholarship	1	1	1	1	4	5000
Higher Education Scholarship	-	-	-	3	3	36000
Muslim Paloli	2	7	1	-	10	40000
Indira Gandhi P.G Scholarship		1	-	-		20,000
University Merit Scholarship	5	11	-	-	16	27300
Sitaram Jindal Foundation	1	1	-	-	2	7000
Students Aid Fund	15	22	21	15	73	18240
TOTAL	628	627	552	593	-	9758355
Percentage of total	52.9	55.9	46.4	45.3	-	-

5.1.4 What are the specific support services/facilities available for?

Students from SC/ST, OBC and economically weaker sections

- Seat Reservation for admission and fee concession and grants are provided to SC, ST, OBC and OEC students as per the norms of Government of Kerala and University of Calicut.



- Fee concessions and other freeships in the form of free books, uniforms, dress materials other stationery is provided by management and staff
- Concession in payment for Study tour, PTA fund and association funds.
- Details of facilities offered by government and other agencies are conveyed to the students on time by displaying the details on notice boards, information through public address system and personally by class tutors and other administrative staff. The staff render all possible help to the students to process the applications and thereby enable the students to receive the benefit.
- To help the slow learners, remedial coaching is provided effectively by all departments.
- Personal, academic and career counselling is provided to empower the students and to bring these students to the mainstream.
- Entry into service programme, NET coaching and Remedial Coaching provided with assistance from UGC.

Students with physical disabilities:

- Class rooms and Examination rooms are rearranged for the physically challenged
- Braille materials are provided to the blind
- Counselling facilities are provided
- Printed notes and special study support provided
- Extra time is allotted for Internal Exams and University examinations
- Support and Motivation by peers
- Financial assistance by government
- Infrastructure redesigned to meet the requirements of physically challenged

Overseas students:

There are no overseas students in the campus at present. For students outside the state, hostel accommodation is provided. The staff- student interaction makes them feel at home.

Students to participate in various competitions/National and International:

Encouragement is given to the students to participate in competitions and programmes inside and outside the campus. Various activities are conducted by the departments, clubs and forums in the campus to equip students to participate in competitions. Duty attendance is given to the students for participating in different programmes. The names of prize winners of various competitions are announced through public address system which gives a sense of pride to the winners and a motivation to other students. Faculty and parents accompany students for various competitions. Financial support in the form of registration fees, travel charges etc are provided to deserving students.

Medical assistance to students: health centre, health insurance etc.



Annual medical checkup by registered medical practitioners are arranged for students and students with serious illnesses are referred to specialists. First aid facility is made available to students. Sick or injured are taken to nearby hospitals for immediate medical help. Sick room of the College enables the students to take rest if sick. The College organizes programmes to promote awareness on health related issues among students. Biochemistry Department hosts 'Ask to Doctor' programme where students can clarify their health queries. Interactive sessions were also arranged with nursing students. Blood group detection camps, Blood donation programmes, Blood tests and Medical camps are organised by the Biotechnology and Biochemistry Departments, Alumnae and NSS units. Talks, Exhibitions and other variety programmes are organised to promote good health practices. Yoga classes are provided to students for healthy body and mind. A Health Hub functions in the College to ensure healthy body and good physique for the students and staff.

Organizing coaching classes for competitive exams

The College with the assistance from UGC have organized Entry into service programmes, NET coaching for SC,ST, OBC and other minorities during 2010-11 2011-12 and 2012-13. The Career Guidance Cell and different Departments have conducted coaching classes and orientation programmes for PSC tests, NET and JRF exams, HACCP training etc. PSC coaching is given to all the III Semester UG students of the campus by Career Guidance and Placement Cell. Group Discussions, Classes on Interview techniques, personality development and other orientation programmes are organised to make students confident to face interviews.

Skill development (Spoken English, computer literacy, etc.)

The College conducts various Skill Enhancement Courses and Certificate Courses for all round development of students. The Skill Development Cell evaluates the skill enhancement programmes and provides necessary guidance and suggestions. Add On in Communicative English is provided to first year students. Apart from the Add On courses, the departments and clubs offer various short term Skill Enhancement and Certificate courses. Add on courses and Skill Enhancement Courses are conducted for I and II Semester and Certificate courses for IV Semester Undergraduate students from 2.20 pm to 3.15pm on Tuesdays, Wednesdays and Thursdays. Various orientation programmes, career guidance sessions, industrial visits and field trips contribute to the skill formation. Students are trained in ICT aided learning through preparation of power point slides and use of e-resources. The Entrepreneurial Development Club (earlier Creative club) in collaboration with Department of Economics conducts exhibition cum sale of hand works by students.

Support for "slow learners"

The College has introduced Scholar Support Programme (SSP) an initiative of Kerala State higher Education for the uplift of the slow learners. Slow learners are identified



by their class performances and by their test paper marks. Other measures for uplift of slow learners are

- Remedial coaching is provided by all Departments.
- Teaching through peers
- Tutorial and Mentoring
- Counselling
- Orientation programmes

Exposures of students to other institution of higher learning/corporate/business house etc.

Students are encouraged to participate and present papers in seminars and workshops conducted by different institutions. Faculty provides support and guidance to students to prepare papers for presentation. Students visit different libraries for their project and dissertation work. Project works are carried out by many students in association with business houses and industrial units. Students are taken for field trips, laboratory visits, institution visit and industrial visit to provide them with, a practical and real experience. MSc Psychology students undergo internship in hospitals. The students are taken for programmes in All India Radio, participate in film festivals, book exhibitions, career guidance programmes and programmes organised by Government and other agencies.

Publication of Student Magazines

The College publishes its College Magazine- 'Marian Voice' every year. Apart from the staff editor and editorial board, the magazine has a student editor who compiles the magazine with the support of the staff. The College Magazine contains the programmes, activities and events of the College during academic year. Students contribute articles, memoirs, travelogues and other literary works to the magazine. The magazine has articles in English, Malayalam, Hindi and Sanskrit. The cover page, title and theme of each magazine is designed in connection with the observation of the UN International year.

- 2009-2010 *Mazhanizhal* (International year of biodiversity)
- 2010-2011 *Vanaparvam* (International year of Forests)
- 2011-2012 *Koottu* (International year of Cooperation)
- 2012-2013 *Attinovineakkaraekare* (International year of Water Cooperation)
- 2013-2014 *La Semilla* (International year of Family Farming)

Hindi Manuscript magazine competition is conducted by Department of Hindi and Department of English organize a Manuscript Magazine Competition in which various departments participate. Women Cell has brought out a manuscript magazine *Nirbhaya* which contains articles on women by students.



5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

Entrepreneurial skills, among the students are developed through various Add On, Certificate and Skill Enhancement Courses. The Add On Courses, Skill Enhancement Courses and Certificate Courses are aimed to give vocational training and self-reliance to students. The Entrepreneurial Development Club organizes demonstration classes on ornament making, glass painting, flower making, paper bag making etc. Exhibition cum sale of handworks- “Our Own” is also organized annually. The Club has initiated sale of ornaments and other items made by students on every 1st and 3rd Tuesdays of the month as part of ‘Earn While You Learn’. ‘Meet the entrepreneur’ programme is organized to create awareness on possibilities of starting an enterprise. The Department of Chemistry organizes demonstration classes on soap making and paper bag making. The Zoology Department does fish culture and sale of aquariums. In 2013-14, Dept. of Computer Science and Applications conducted a State Level Seminar on Startup Village and Entrepreneurship in Kerala to promote women entrepreneurship and providing awareness for starting incubatee companies in association with Start up Village, Kochi. Seven students of MSc Computer Science have done their projects in Startup Village, Kochi. The Career Guidance and Placement Cell also conduct personality development and motivation sessions to instill confidence in students to start enterprises. “Marian Monsoon Fest 2014” for student welfare fund showcased the entrepreneurial skills of the students. Stalls of Homemade food items, Ornaments, Handicrafts, Glass Painting, Paper Bags, Medicinal and other plants, Aquariums, Accessories and Aquarium fishes, Organic vegetables, Mushrooms were the highlights of the fest. Variety games, Mehandi Designing, Career Aptitude Tests, Colour Psychology Tests by students and staff are also part of the Fest

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co- curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

College gives ample encouragement to students by providing platform to cultivate and exhibit their inherent talents. Various programmes and competitions are organized with the aim of bringing students to the forefront. Details of the competitions are put up on the notice board or announced through the public address system. Faculty also provide training to students to participate in competitions. Apart from subject associations, NCC and NSS, different clubs and forums organize various programmes and competitions for the students. The clubs meet on all 1st and 3rd Mondays of the month and Department Associations meet on every 2nd and 4th Mondays and organize different programmes. Special training and practice sessions are arranged for students in sports and other cultural events by recognized trainers. The College has organized some intercollegiate competitions to make students competent in the global scenario.



Departments	Date	Title	Level
Botany	11/12-08-2011	Paper Presentation Competition in connection with national seminar, Topic-Nano Biotechnology	National level
Chemistry	28-08-2011	Oral paper presentation and Poster Presentation competition	National Level
Chemistry	14-02-2012	Essay Writing Competition	Intercollegiate
College	04-12-2013	Sr. Dr. Rani George paper presentation and Poster Presentation competition	Intercollegiate
Chemistry	24-02-2014	Essay Writing Competition	Interuniversity
English	18 -10-2014.	Magnum Opus 2014 - Stage Competition	State Level

The College has hosted Calicut University Inter Collegiate Cycling Championship in 2011-12, Calicut University Inter Collegiate Hockey Championship in 2013-14, Calicut University Inter Collegiate Kabaddi Championship and Calicut University Inter Collegiate Hockey Championship in 2014-15.

Additional Academic Support, Flexibility in examination:

Special academic help is provided by the faculty to students participating in various competitions. Attendance is given for students to attend competitions at different places. Special classes and remedial coaching are provided. Coaching by peers is encouraged to minimize the effect of losing classes. Help is given to these students to complete and submit the dissertation and projects on time. Internal assessment exams are scheduled by considering the requirements of sport students. In case of absence on account of competitions or training/practice sessions, re exams are conducted. Relaxation is given for presentation of seminars and submission of assignments. Special permission is given for late entry and early exit from classes for practice on the recommendation of Physical Education faculty. Special request is forwarded to the University for conducting Special re-exams for students who have missed exams on account of All India Inter University and Intercollegiate Tournaments.

Special dietary requirements, sports uniform and materials:

Special nutritious diet is assured to the students participating in various sports events. Free Uniform and sports kit is provided to the students by the College.



Any other

Free Hostel accommodation and food is provided to all students participating in sports. Special training and practice sessions are made available to students participating in sports and D zone and inter zone competitions. Cash prizes are awarded to sports students in recognition of their performances. Facilities for medical treatment are arranged for sports students whenever necessary.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR-NET,UGC-NET/SLET/GATE/CAT/GRE/TOFEL/GMAT/ Central/State services, Defense, Civil Services, etc.

The Career Guidance and Placement Cell provides necessary guidance to the students on opportunities for higher studies and to face different competitive exams with confidence. The Cell has been instrumental in organizing coaching classes for Public Service Commission exams. Coaching is provided to all students on the campus in different years of study. Coaching for NET / JRF is provided twice a year to students and others by Mathematics Department. Department of Economics has conducted Two-day NET orientation for their students and Alumnae. Microbiology Department has conducted HACCP training programme for their students. To improve the skills and competitive ability of the SC, ST, OBC and other minorities Entry into service programme, NET coaching in Mathematics and History were provided to the students and others. Faculty of the PG departments motivate students to prepare for different competitive exams and undertake research.

Exam	2010-2011	2011-2012	2012-2013	2013-2014
UGC-CSIR-NET	3	1	1	1
UGC-NET	2	7	5	
GATE			1	
CAT				1
Central/state service	3	5	2	3
SET			2	5

5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social etc.)

Academic and personal counseling is provided through tutorial and mentoring. Each tutor is assigned 20 students who guides and mentors the students. The College has the internalized practice of observing an hour on every Monday as tutorial hour incorporating the hour to the regular timetable. Slow learners are supported with



remedial courses and economically weak students are supported by freeships. Assistance of trained counselors inside or outside the College are provided for specialized psychological counselling. The College has two trained counselors for student counseling and seventeen members of our faculty have undergone counseling course. Counselling facilities for family members, house visits by faculty and hostel accommodation for students with family issues renders confidence in the students. As part of Marian Monsoon Fest the Department of Psychology has conducted a Colour Psychology Test to identify the personality traits of individuals. Career Counselling is made available to all students by Career Guidance Cell and Psychology Departments on all working days from 2.30pm to 4pm

5.1.9 Does the institution have a structured mechanism for career guidance and placements to fits students? If ‘yes’, detail on the Services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

The institution has a well-structured Career Guidance and Placement Cell. The Cell takes initiative in organizing programmes for capability enhancement of the student community. The Cell organizes coaching for competitive exams. Orientation programmes, Spoken English classes for career advancement. Talks and seminars on Career opportunities and personality development classes are the highlights of the Cell. The details of the job opportunities are announced through the public address system and details are put up on the notice board. The opportunities available to the students are also highlighted on the Department notice board. As the College is a women’s only College campus placement opportunities are less. Students are motivated and guided to attend recruitment programmes in different institutions. The faculty in charge renders full support and necessary guidance to the students to participate in the recruitment process. The NSS units of the College in collaboration with Youth Welfare Board and District NSS has organized a one day Civil Service Orientation Seminar on 10-6-2014. The activities to promote career guidance and placements are:

2014-15		
Date	Activity	Resource person
18-7-2014	Career Mentoring	Prof..T.S.Nagarajan, TIME
23-8-2014	Career Opportunities in Economics	Ms. Dhanya Shankar K S, Assistant Professor in Economics, Vimala College, Thrissur
21-9-2014	Career Opportunities in Mathematics	Dr. Sudheer K, Dept of Mathematics, Farook College Kozhikode
22-9-2014	Talk On Fashion Designing	Sri. Dev P R



23-9-2014	Career Guidance in Finance Profession	Sri. Binesh Enamakal, Programme Director, ICAI, Kottayam Chapter
7-10-2014 to 10-10-2014	Career Guidance Aptitude Test	Department of Psychology, St .Mary's College, Thrissur
13-10-2014	Youth Wing Interactive Session	Sri. Salman Nazeer, Sri. Vigneesh, Sri. Ananth Jairaj
14-10-2014	Scholarship Examination	Kerala State Rural Women Electronics Industrial Co-operative Federation Ltd,
18-10-2014	Essay Writing Competition	ALTIUS, World Malayali Council
2013-14		
17-0-2013	Spoken English Classes	Sri. Hari Gopinath, Sri. Rajesh Mohan Sri. Joseph Varghese. Overseas English Academy, Thrissur
14-8-2013	Opportunities for Science Graduates	Dr. C. R. Sivadasan, Sr. Scientist (Rtd.) Spices Board
23-10-2013	Student Help Group Orientation Programme	Sri. Binu K St. Mary's College, Thrissur
19-11-2013	Recent Challenges in History	Dr. Sriram, Career Guru, Victory College, Aluva
26-11-2013	Quiz Competition	Gems Business School
16-12-2013	Talk on Career Guidance and Opportunities in IT	Sri. Prasanth NIIT, Thrissur
17-02-2014	Talk on Career Guidance	Sri. Jomy K L IMS Sensorium , Thrissur
22-02-2014	Talk on Dynamics of Career Opportunities	Sri. Ninan John Smt..Liji Thomas, Guiders Academy Thrissur
28-02-2014	Seminar on Star Project	Sri. Rinto Jose Sri. Junais S K, STAR Insurance
01-03-2014	Campus Recruitment Programme	Sri. Prakash Balan Sri. Dhanbadran Abees Infotech



26-04-2014	Campus Recruitment Programme	SUN group, Chennai
2012-13		
11-07-2012	Talk on Importance of Mathematics in Competitive Exams	Sri. Ehnaz Muhzin, Absolute Bankers, Thrissur
12-07-2012	Higher Education and Job opportunity	Dr. Jose T Puthur, Dept. of Botany, University of Calicut
22-08-2012	Seminar on Career Opportunities in Banking Sector	Sri. Muralidharan, Metlife Insurance Co. Pvt. Ltd
24-08-2012	Campus Recruitment Programme	Kochar Private Ltd, Bangalore
20 to 22 -09-2012	Hazard Analysis and Critical Control Point (HACCP)	Dr. N. Anandavally, UN-FAO Consultant in HACCP
22-10-2012	Talk on Youth in Banking Sector	Sri T V Thomas ,GM, SBT
05-12-2012	Campus Selection Programme	Sri. Pranava, eTCS
10-12-2012	Career Awareness Programme	Sri. Niyas, Lead College of Management, Dhoni
14-12-2012	Training Programme	ATEES INFOTECH
16-1-2013	Career Opportunities in Insurance Sector	Sri. Georgy Oomen, Principal Training Division, LIC.
17-02-13	Talk on Career Development in Business	Sri. Fenil Vadakken CIMA,Regional Head-South India
23-01-13	Civil Service and History	Sri. J Abijith, Faculty, IASE, Thrissur
2011-12		



16-07-2011	Seminar on “Aviation Management”	Sri. Muraleedharan, HI-FI Aviation Academy
22-07-2011	Career Orientation Program	Sri. Preetham Menon, S B Global Pvt. Ltd
5-8-2011	Personality Development Session	Ms. Dhanya Shankar K.S.
5-8-2011	Personality Development Session	Ms, Dhanya Shankar K.S.
16-08-2011	Talk on Career Guidance and Personality Development	Sri. Balakrishnan, Sri. Vinayachandran S B Global Resource Ltd
25-08-2011	Campus Connection programme	Sunitha Thomas, KELTRON
28-11-2011	Career Opportunities in Insurance Sector	Sri. Georgy Oomen, Principal, Training Division, LIC. Smt. Rachael Manager, Smt. Jayalakshmi, Officer PMR, LIC Thrissur
03-12-2011	Intercollegiate Mathematics Quiz Competition	IMS Sensorium
2010-11		
29-06-2010	Seminar On “Career Guidance”	Sri. Anil Menon Sri. Vinaya Chandran, Career Launcher
01-07-2010	Seminar On “Career Guidance”	Sri. Anil Menon Sri. Vinaya Chandran, Career Launcher
05-08-2010 06-08-2010	Two day Seminar “ Sure Success” and Best student Contest	Sri. Krishna Kumar P, Centaur Soft, Ernakulam Sri. Rajagopal K, International Trainer, Art of living, Eranakulam Sri.Raju David, Director Employment Guidance Bureau KAU, Thrissur
08-09-2010	IT based Career Seminar	Ms.Praseetha K, NIIT



04-10-2010	Seminar on “Motivation and Interview techniques”	Sri. K K Krishnakumar,Centaur Soft, Ernakulam
24-10-2010	Career Opportunities in Management Sector	Sri. Gopakumar, faculty, TIME, Thrissur
12.11.2010	Career Guidance	Dr. C. R. Sivadasan, Sr, Scientist (Rtd.) Spices Board
19-01-2011	Workshop “Powertalk On Soft Skills and Career Guidance”	Sri. Sirajudheen Parambath,INSPIRE

Students placed in Campus Recruitment Drives conducted by the College and different institutions

Year	Number of Students	Recruiting Institutions
2010-11	3	WIPRO
2011-12	16	HCL Technologies, WIPRO, SINDEL Technologies, MUZIRIS Softtech
2012-13	44	Kochar Private Limited,Additional Skill Acquisition Programme (ASAP), Radio Mango ,HCL, ASAP, Federal Bank
2013-14	54	AEBEE Consultancy , SUN TV Private Limited, Tata Consultancy Services, WIPRO, I GATE, Additional Skill Acquisition Programme (ASAP)

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

The institution has a formal student Grievance Redressal Cell. The Grievance Redressal Cell consists of Principal, Vice principal, members of the faculty and a student representative. Generally there are three meetings in an academic year. Students can hand over their complaints in written form to the Tutor, Head of the Department or deposit it in the opinion box. The grievances are redressed in the meetings and directives issued to the concerned. The parties involved are called if needed. In case of grievances which require immediate action special meetings are convened. Disciplinary Action Committee looks into the disciplinary issues of the



institution. The Committee meets quarterly and evaluates the discipline of the institution. The matters relating to bus concession and problems with bus employees are informed to the police. Complaints regarding non declaration of results of exams, non-receipt of mark lists etc are informed to the University with urgency. The main grievances redressed in last four years are

- Matters relating to non-declaration of University exam results
- The request for confidential grade card for students
- Matters relating to non-receipt of consolidated mark sheet
- Provision for reexamination of sports students
- Re-examination for students whose results are not available
- Problems regarding bus concession
- Problems with reference to bus employees
- Allotment of classrooms
- Improvement in canteen food
- Performance of the teachers

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

The College – the first Women’s College in the District, has always stood for the empowerment and progress of women. It functions in line with its vision and mission of grooming young women and for their holistic development. The Women’s Cell, Elder St Marians, NSS and the Departments organize talks, debates, orientation programmes to equip and empower women. The faculty guides and provides awareness to students to report any issue of sexual harassment inside and outside the College with confidence. The problems faced by students during transit is given due consideration and matter is reported to police and follow up measures are done. The Anti-Ragging Cell functions in the College to prevent annoyance to fellow students. Psycho Social Counseling is provided to students to sort out family issues. The 3 day annual life guidance course gives directions for a happy and healthy life for girl students in the society.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Anti-ragging Cell functions in the College as per UGC and University norms. The Cell consists of Principal, Vice Principal, faculty representatives and a student representative. The details of the Cell are displayed on the College Notice Board. The Cell directs class tutors to conduct orientation classes to the students on the serious offence of ragging. Orientation on Anti ragging measures is given to I Semester UG and PG students. The freshers are directed to report any instance of ragging to the class tutors or to Anti Ragging Cell. Three meetings are conducted in a year- in June, September and March. As per the directive from UGC, parents and students are asked to file anti ragging affidavit each year. No case of ragging has reported in the last four years.



5.1.13 Enumerate the welfare schemes made available to students by the institution.

The welfare of the students is the prime concern of the institution. The following are the welfare Schemes for the students

- Effective Tutorial and Mentoring
- Financial support in form of fee concessions, Financial help for medical treatment of students and their dear and near ones, financial help for study tour, instalment facility for fee payment.
- Freeships – free uniforms, stationary, books, free midday meal
- Free food and accommodation for sports students.
- Counselling –Academic, Personal and Career
- Scholarships and financial aid by Government and other agencies
- Endowments by management, staff and students, Elder St Marians, SMART and Well Wishers
- Remedial coaching
- Peer teaching
- Canteen facilities
- Career Guidance and Placement Cell
- Stationery store
- Sick Room
- Water Cooler and Purifier -Hot/Normal/Cold
- Identity Cards
- Bus concession facility
- Photostat and reprography
- Opinion Box
- Public Address System
- Grievance Redressal Cell, Anti Ragging and Disciplinary Action Committee

5.1.14 Does the institution have a registered Alumnae Association? If ‘yes’, what are its activities and major contributions for institutional, academic and infrastructure development?

The College has a strong and vibrant Alumnae Association (Elder St Marians) though not registered. The alumnae association is well organized with office bearers– President, Secretary, Joint Secretary, Treasurer, Chief Editor, Editorial members and Executive members. The Committee meets once in two months and chalks out activities that are to be followed. Alumnae Annual Reunion is organized on 26th January every year. Department alumnae reunion is also organized by the Department associations.

The major activities of Elder St Marians are:



- Free Medical Camp and distribution of medicines at Thiroor, Nadathara, Chiyaram and Thrissur
- “Gem of St Mary’s Contest” for the outgoing students of the College
- Annual Alumnae Reunion Day on 26th January
- Newsletter ‘Reverie’
- Talks and debates on Gender Sensitization, Health awareness, Environment awareness
- Corpus fund of Rs 45000 instituted for Scholarships
- Elder St Marian members accompanied students to various social centres like Asrayabhavan and Old age homes and imparted values of social service
- Contributed an amount of Rs.28,000 to the College for the purchase of LCD
- Contributed a sum of Rs.25,000 for initiating Sr. Dr. Rani George Endowment Lecture series and paper presentation competition.
- Donated a sum of Rs. 25000/- towards Medicinal Plant Garden fencing
- Donated Rs. 20000/- towards purchase of Plasma monitor TV
- Joined hands with the College in organizing Marian Monsoon Fest and put up a stall

Honours to our Alumnae since 2010-11:

- Smt Sony T L, Assistant Professor in Economics, C Achuthamenon Govt. College Thrissur has been awarded the **Indira Gandhi NSS Award 2014 for Best NSS Programme Officer at National Level. She has also been awarded the Best NSS Programme Officer at University Level and State Level in 2013.**
- Dr. P.G. Parvathy, Retd. Professor, Mercy College has been awarded **Kerala Government Bhasha Puraskaram** by Public Relation Dept. and Public Administration and Information Department
- Dr Feeba Rani, Assistant Professor of Zoology, Vimala College has been awarded **Best NSS Programme Officer at University Level and State Level.**
- Smt.Sheeja T.Tharakan Assistant Professor of Botany, Vimala College has been awarded **Best Paper Award in the Discipline of National Products for the year 2012 by IDMA Mumbai**
- V. S. Pournami has been awarded **Kerala Government Media Award-Radio Section**
- Smt.Indira Gopinath has been awarded as **Best Actress in the documentary film Athirukal Kadannu** in the film festival organized in connection with 13th National and Short Film Award.
- Smt Prajusha M. A. has won **II place in Long Jump, Common Wealth Games in 2012** and participated in Long Jump in Asian Games held at Incheon
- Smt. Leela Varghese has been awarded **National Best Teacher Award.**
- Smt.Omana P P is the **only referee from Kerala for Pro kabaddi Championship**
- Ms Arya C has won the **gold medal in 4 x100 metre relay in the Asian Games** held at Incheon



- Dr. Josepheni Joseph, Associate Prof, St Mary's College Thrissur has been awarded **SADGURU Award for Best Teacher** by University of Calicut in 2014

5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Majority of the students opt for higher education programmes. Out of the total students passed out from BA, BSc, BCA programmes during the period, 50.61 percent continued with different PG programmes- MSc, MA, MCA, MBA, and MSW. 11.90 percent students opted for other UG courses like B. Ed and LLB. Students also enrich themselves with certificate and diploma courses in computer, human resources, cooperative training and teachers training and other skill enhancement programmes. Self-employment is an option for 11.5 percent of students.

Student Progression BA /BSc/BCA

Year	UG to PG %	UG to UG %	UG to Other %	UG to Employment (campus Recruitment) %	UG to employment other than campus recruitment in %	UG to Self-Employment %
2009-2010	42.95	15.44	12.47	0	7.05	15
2010-2011	51.31	14.05	20.59	1	7.51	9
2011-2012	61.51	10.20	11.84	2	4.61	13.3
2012-2013	51.24	9.89	16.61	3	7.07	6
2013-2014	45.52	9.68	11.83	0	5.73	14
Total	50.61	11.90	14.69	1.14	6.39	11.5

Courses like B.Ed., Post Graduate Diploma Courses of Computer, Accounting, and Management are the immediate options for the pass out students of different PG Programmes. Ph. D and M. Phil programmes are pursued after getting into teaching profession.

Student Progression MA /MSc



Year	PG TO PhD	PG to MPhil	PG to Other courses	PG to Employment Other Than Campus recruitment
2009-10	1.4	1.4	22.39	32.84
2010-11	1.4		16.41	44.78
2011-12	-		37.88	21.21
2012-13	-		41.81	23.64
Total	0.78	0.39	29.02	32.16

5.2.2 Provide details of the programme-wise pass percentage and completion rate for the last four years (cohortwise / batchwise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university with in the city/district.

PASS PERCENTAGE AND COMPLETION RATE -UG

	Batch	No. of Students enrolled	Completion Rate (in %)	Pass (in %)
B.Sc Mathematics	2007-2010	48	89.6	97.7
	2008-2011	48	87.5	95.24
	2009-2012	48	83.3	95
	2010-2013	44	95.5	71.42
	2011-2014	44	95.5	85.7
B.Sc Botany	2007-2010	32	87.5	92.8
	2008-2011	28	100	85.71
	2009-2012	34	100	86
	2010-2013	31	87.1	81.48
	2011-2014	32	87.5	86
B.Sc Biotechnology	2007-2010	36	97.2	100
	2008-2011	36	88.8	94.11
	2009-2012	34	100	97.14
	2010-2013	36	94.4	100
	2011-2014	34	100	100
BCA	2007-2010	35	100	97.1
	2008-2011	36	97.2	100
	2009-2012	36	97.2	100
	2010-2013	35	97.1	97.1
	2011-2014	36	100	100
B.Sc Microbiology	2007-2010	33	96.9	95.2
	2008-2011	36	100	100



	2009-2012	36	97.2	94.28
	2010-2013	35	97.1	97.1
	2011-2014	31	100	100
B.Sc Chemistry Till 2010-2013 B.Sc Polymer Chemistry 2011-2014 batch onwards B.Sc Chemistry	2007-2010	18	100	83
	2008-2011	30	100	60
	2009-2012	30	100	100
	2010-2013	34	91.1	65
	2011-2014	34	100	80
B.A Economics	2007-2010	60	98.3	100
	2008-2011	60	98.3	98.3
	2009-2012	60	86.7	94.2
	2010-2013	60	86.7	88.6
	2011-2014	60	90	77.8
B.A History	2007-2010	61	90.1	98
	2008-2011	61	100	91.8
	2009-2012	59	93.2	94.2
	2010-2013	60	91.7	90
	2011-2014	61	88.5	81.4

PASS PERCENTAGE AND COMPLETION RATE -PG

	Batch	No. of Students enrolled	Completion Rate (in %)	Pass (in %)
M.Sc Mathematics	2008-2010	20	100	80
	2009-2011	20	85	76.47
	2010-2012	20	95	100
	2011-2013	18	83.3	100
	2012-2014	20	95	Awaiting Result
M.Sc Biotech	2008-2010	12	91.6	91.6
	2009-2011	11	100	100
	2010-2012	12	100	100
	2011-2013	6	100	100
	2012-2014	12	91.6	Awaiting Result
M.Sc Computer Science	2008-2010	12	75	83
	2009-2011	12	100	100
	2010-2012	12	75	100
	2011-2013	10	90	100
	2012-2014	11	100	100
M.Sc Microbiology	2008-2010	12	100	100
	2009-2011	12	91.6	100



	2010-2012	12	83.3	100
	2011-2013	11	90.9	100
	2012-2014	12	100	Awaiting Result
M.Sc Psychology	2008-2013	Course introduced in 2012		
	2012-2014	2	50	Awaiting Result
M.A History	2008-2010	20	85	70.5
	2009-2011	20	95	93.7
	2010-2012	20	90	77.7
	2011-2013	18	100	100
	2012-2014	19	100	Awaiting Result
M.A Applied Economics	2008-2010			
	2012-2014	15	73.3	Awaiting Result

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The faculty guides the students in academic matters and motivates them to perform well in the programmes. Talks, seminars and discussions on the scope of the subject, higher education opportunities and career prospects are detailed to the students. Students are encouraged to attend seminars, field trips, and study tours and present papers for career enhancement. Career Counselling is provided to all students of the campus to enable right choice of the career. Career Guidance and Placement Cell organizes different orientation programmes for improving the competitive ability of the students. Coaching for competitive exams are organized by the Cell and various departments to enhance employability skills. Students are guided to participate in various recruitment programmes inside and outside the campus. Students are guided to register their names in Employment Exchanges and register for one time registration of Kerala Public Service Commission. The opportunities for higher education and job vacancies are displayed on the notice board and announced through public address system. The Library has a good collection of books and journals as reference for competitive exams. Various Add On, Certificate and Skill Enhancement Courses are designed to enhance the employability.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

The support measures to reduce failure and drop out are

- Personal Counselling by staff and trained counsellors



- Mentoring
- Financial support and Freeships
- Remedial coaching
- Peer Teaching
- Bridge Course
- Bilingual teaching
- Motivational talks to students and parents
- House visits by faculty

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

The College has implemented a range of support systems for the good performance of students in various sports, games, cultural and other extracurricular activities. Annual Sports Day is celebrated every year with variety of games. The sports performers and the coaches are specially felicitated on the day. College Arts festival organized every year provides a platform for students to exhibit their talents. The increasing number of participants shows the interest of the students. The College takes initiative in celebrating Days of importance, festivals, Principal's Day, Fresher's Day, College Social where students display their talents. The Department Associations, Clubs, Forums, NSS, NCC, AICUF, Xavier Board etc organize competitions and programmes providing wide opportunities to the students.

Department Association	Each department has an association through which activities are organized. The Association activities help the students concerned to acquire current knowledge regarding their respective subjects and general topics. Various capability enhancement programmes are initiated to promote all round development of personality of students.
Women Cell	In tune with its motto "Enrich and Empower" it organizes various competitions, conscientisation programmes, talks and seminars for the upliftment of women students
Xavier Board of Higher Education in India	Stands for Gospel Values, Excellence and Leadership Training in Higher Education. Students participate in leadership camps and other personality development programmes.
AICUF	Motivates students to evolve a spirituality that has humanization as its core and makes them involved in studies, research and activities linked to broader social issues and struggles



Jesus Youth	A missionary movement for the service of the Church which inculcates, trains and guides students towards Jesus and be faithful disciple of Christ. Organises leadership programmes, prayer meetings, adorations, one day gathering to invoke a sense of holiness. The movement motivates students to participate in programmes outside the campus
Catholic Activities/Ethics and Value Education	Catechism and ethics classes are given on every Fridays to catholics and non catholics respectively. Value Education and Tutorial sessions help St. Marians to acquire true knowledge and wisdom in their life. Campus ministry arrange Annual Retreat, Confession, First Friday Eucharistic Celebration, Prayer services, Daily Rosary, Talks, Seminars, one day adoration, Bible classes etc for catholic students.
Science Forum	Equips students with necessary knowledge about the modern scientific innovations. Frequent meetings, talks, exhibition, quiz competitions, discussions, debates etc. are effectively conducted to inculcate scientific temper
Planning Forum	An integral part of Economics Department. It provides a platform for the students to be aware of changes around the globe. The Forum also helps the students to get an insight to the plan process and path of economic development attained by our country. Various programmes-talk shows, debates, power point presentations, quiz, group discussions are organized to promote the spirit of innovative learning.
Research Forum	Encourages research culture among the students. Paper presentation by students and research orientation talks and interactive sessions are highlights of the forum
Blood Donor's Forum	Functions effectively under the Department of Biotechnology. They organize Blood Donation Camp in the College in collaboration with IMA, in which staff and students donate blood generously. A data-bank of the Blood Group of St. Marians is maintained in the College office. The Forum instils values of good citizenship and service to humanity.
Library & Literary Club	Encourages the College community to develop a close friendship with books and inculcates reading habit in students by conducting "Book Review" and "Book Talks" of famous writers. It also motivates students to write articles in various journals and periodicals. Speakers' and Writers' Forum functions under this club to nurture the hidden talents of the students. It aims at the emergence of efficient speakers and creative writers through literary



	activities. A Literary Blog Inkpot was developed in 2013 to showcase the literary talents of the students.
Bhoomitrasena & Natural Club	Motivates students to protect environment by organizing various programmes such as celebration of Vanamahotsava week, observation of Environment Day, organizing exhibitions, quiz, paper presentations etc, related to environment. Visits to ecofriendly places to motivate students to nurture nature.
Fine arts club	Four sub Committees functions to develop artistic talents of the students in dance, music, mime and drama. College Arts Festival is organized under the auspicious of the Club. Various demonstration sessions and entertainments are organized. Students are encouraged to participate in programmes outside the College.
Tourism Club	In collaboration with District Tourism Promotion Council, the Club organizes programmes related to tourism and visits to emerging tourist centres.
Creative Club/Entrepreneurial Development Club:	Focuses on increasing the creativity and entrepreneurial ability of the students. The Cell encourages them to make paper bags, flowers, soft toys, ornaments, glass paintings etc. and arranges exhibition cum sale of these articles as part of “Earn while Learn” strategy.
Health and Yoga Club	Promotes general health of the students by providing Yoga Programme, Karate and aerobic classes. Tips for Stress Management, Concentration Techniques, and Health Management etc. are provided.
IT Club	Organizes programmes on Information Technology to help the students to develop the computer skills, web designing etc.
Archaeology Club	Gives an insight into the socio-cultural aspect of History to students. It organizes various programmes including exhibition on historical events in collaboration with “Archaeological Survey of India”. Visits to important archaeological sites provide a first-hand experience.
Road Safety Club	Organizes awareness programmes on road safety initiatives in collaboration with “Community Police Wing”. It handles issues regarding harassment against girls while travelling.

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University/State/Zonal/National/International etc. for the previous four years.

Our students actively participate in different competitions organized by other institutions. Students have won prizes in National, State and intercollegiate level competitions. Students are motivated, training and support for participation in



competitions.

Our sports students have represented the country in International National, Interuniversity, State and Intercollegiate levels and have brought laurels to the country, State, University and the institution. Students are encouraged to participate in Intercollegiate and other state and national level competitions.

Highlights in Sports

2013-14

- Third place in Calicut University aggregate championship among women
- Sumi George, Riya T.C, Swathy Krishna C. Nair, Anju Murali has set new meet record in Power lifting in Calicut University intercollegiate competitions
- Swathy Krishna C. Nair has set new meet record in Weight lifting in Calicut University intercollegiate competitions
- Divya A.is selected as Best All Rounder in Kho-Kho in All India Inter University competition held at Mangalore
- Divya A.is selected as Best Player in Kho-Kho in Federation Cup
- Sumi George is the Strong Woman in Power Lifting championship held at Himachal Pradesh
- Divya A. selected as Best Woman of the Tournament and won the Rani Lakshmi Award in Kho-Kho Senior Nationals held at Goa
- Sumi George is the Strong Women in Inter Club Power Lifting championship held at Alleppey
- Sumi George ,Riya T.C and Anju Murali has set new meet record in Powerlifting Junior held at Kannur
- Swathikrishna C. Nair has set new meet record in Weight Lifting Junior at Ernakulam
- Aparnasree Thankachan is the individual champion of Yoga seniors held at Ernakulam
- Aiswarya K. is the Captain of Calicut University Hockey championship for the All India Inter University Championship

2012-13

- Sumi George selected as the Strong Women of Calicut University

2010-11

- Arya C is the winner in 4X400 M relay, and silver in 400 M in National Games Championship held at Jharkhand,
- Arya. C bagged Gold in 400M, 4X400 M Relay and Bronze in 200M in the Junior National Athletic Meet held at Bangalore.

International Winners - Sports



Game	List of Players	Position Secured	Venue	Year
Asian Beach Kabaddi Championship	Preethi.K	I	Muscat	2010-11
Sub Junior Inter National Power Lifting Championship	Sumithra K.B	I	New Delhi	2011-12
Water Polo Asian Games	Dhilna M.D	Participated	Dubai.	2012-13

Winners and Participants in National Level Events

Event	2010-11		2011-2012		2012-13		2013-14		2014-15	
	W	P	W	P	W	P	W	P	W	P
Basket Ball	2	3	1	1						
Water Polo	3	3	4	4	2	2				
Kabaddi		6						2		
Power lifting	5	8	3	7		2	10	13	1	2
Athletics	5	5	3	3	3	3	1	2		
Hockey		1	3	7		15				
Judo		1								
Swimming				2		1		3		
Weight Lifting				1		3		4		
Kho Kho						1	5	6		
Yoga								1	1	1

- W Number of Winners
- P Number of Participants

Winners and Participants in All India Inter University Events

Event	2010-11		2011-2012		2012-13		2013-14		2014-15	
	W	P	W	P	W	P	W	P	W	P
Basket Ball		7		4						
Net Ball		7								
Kabaddi		5		4		2		3		3
Power lifting										
Athletics	2	2	2	2		2		2		
Hockey		1		6		7		7		
Judo		1						1		
Swimming	1	2	1	2	1	1	4	2		
Weight Lifting						2	1	1		
Kho Kho							2	2		
Yoga				1		1		1		



Winners in State Level Events

	2010-11	2011-12	2012-13	2013-14	2014-15
Kabaddi	6	5	2		
Power lifting	7	6	7	19	3
Athletics		1		1	
Hockey	1	1		6	13
Judo	3	1		4	1
Swimming	1			6	
Weight Lifting				4	
Kho Kho				3	
Yoga				1	3
Water polo	2	4	2	2	

Calicut University Inter Collegiate Winning Position- College Team

Event	2010-11	2011-12	2012-13	2013-14	2014-15
Swimming	II	II	II	II	II
Kabaddi	I	II	IV		III
Kho Kho			III	III	III
Hockey		II	II	I	I
Power Lifting	II	I	I	I	
Weight Lifting	II	I	II	II	
Judo	III	III	IV	III	
Yoga		II	II	I	
Athletics	II	III	III		
Basketball	I	II			
Cycling	II				
Netball	I				

Winners in Cultural and Other Competitions

2014-15

- Anjana Menon (Economics) won third place in National level Essay Competition organized by Little Flower College, Guruvayur
- Anitta Mathew (Chemistry) has been awarded the certificate of achievement in connection with “Speak for Kerala” Contests conducted by Federal Bank.
- Sanjana P. and Wilson Jovis (History) got second prize in the Intercollegiate Quiz Competition held at Sri C Achutha Menon Govt. College, Thrissur
- Isabella Davis (Economics) won A Grade in Mundassery Memorial Essay Competition

2013-14

- Marina P. K. (MA. Applied Economics) won the third place in Paper Presentation Competition organized in connection with National Seminar at St Aloysius College, Thrissur.



- Nisha M N (Microbiology) won the Best poster Award in connection with National Seminar organized by B K College, Kottayam
- Rincy Jose T and Krishna P S (Mathematics) won the second place in Quiz Competition conducted by IMS Learning Centre ,Thrissur
- Reya Ros (Commerce) won the first place in Nail Art Competition conducted by Cochin Hero Music Dance Academy
- Ishitha M. M. (Microbiology) won the first place in Mehandhi
- Designing Competition conducted by Cochin Hero Music Dance Academy
- Athira Haridas (Botany)) won the second place in Radhakrishnan Review Competition held at Public Library Hall, Thrissur
- Roslin Poullose and Anju V A (Economics) won the second place in Quiz Competition conducted by Little Flower College, Guruvayur
- Divya S Nair won the second place in Interuniversity Essay Writing Competition held in St Mary's College Thrissur
- Athira Haridas (Botany) won the second prize in Essay Writing in connection with Cooperative week celebrations conducted by Circle cooperative union Thrissur
- Athira Haridas (Botany) won the First prize in Essay Writing in connection with 60th All India Cooperative Week celebrations conducted by District Cooperative Committee of Cooperative Education, Thrissur
- Athira Haridas (Botany) won the second prize in Essay Writing conducted by State Cooperative Union, Kerala in connection with 60th All India Cooperative Week celebrations.
- Jwala P Prem won the first prize in Collage Competition conducted by Sri C Achutha Menon Memorial Government College Thrissur in connection with Sadbhavana Week Celebrations
- Jwala P Prem won the Best Poster Award organized by KKTU Govt. College, Kodungallur in connection with World Food Day Celebrations 2013.
- Anjana P A won the second prize in Sanskrit Elocution in Calicut University D Zone competitions
- Anjana P A won the first prize in Sanskrit Versification in Calicut University D Zone competitions
- Anjana P A won the second prize in Sanskrit Short Story Writing in Calicut University D Zone competitions

2012-13

- Anjana PA and Athira Krishnan , Stephy P.U and Sreelaya T.R (Botany) won the second and third place respectively in Quiz Competition organized by St Mary's College, Thrissur
- Neenu Neelakantan won the first prize in Malayalam Essay Writing in Calicut University D Zone competitions
- Neenu Neelakantan won the second prize in Sanskrit Essay Writing in Calicut University D Zone competitions
- Neenu Neelakantan won the second prize in Sanskrit Versification in Calicut University D Zone competitions



- Jwala P Prem won the second prize in Poster Making in Calicut University D Zone competitions
- Anjana P A won the third prize in Sanskrit Elocution in Calicut University D Zone competitions
- Merin Moncy and Party won the second prize in Group Song(Indian) in Calicut University D Zone competitions
- Athira Thobias and Party won the third prize in Group Dance in Calicut University D Zone competitions

2011-12

- Glancy P P and Soumya (Mathematics) won the first place in Quiz competition conducted by IMS Learning Centre ,Thrissur
- Anisha M.B.(Botany) won the third place in Poster making held at Christ College, Irinjalakkuda
- Riji K S (Economics) won the second place in Poetry writing organized by Kerala Kalamandalam
- Riji K S (Economics) won the second place in Literary Quiz organized by Kerala Sahitya Academi,Thrissur
- RoslinPoulose(Economics) won the second place in quiz competition organized by Little Flower College, Guruvayur
- Anumol P O (Computer Application) won the First prize in Essay Writing Competition organized by Kerala Sahithya Academy, Thrissur
- Anumol P O (Computer application)won the First prize in Elocution Competition organized by Human Rights Commission
- Reshma Rajan and Nimisha Thomas (Computer Application) won the second place in Debugging Competition held at St. Thomas College, Thrissur
- Stephy P.U.(Botany) won the second place in Quiz competition held at Vimala College , Thrissur
- Divya S Nair (chemistry) and Reshma G won the First and third place respectively in Essay Writing Competition held in St Mary's College, Thrissur.
- Jayaprabha won the second prize in Ottamthullal in Calicut University D Zone competitions
- Jayaprabha won the third prize in Keralanadanam in Calicut University D Zone competitions
- Anjana won the third prize in Sanskrit Versification in Calicut University D Zone competitions
- Meera G and party won the first prize in Eastern Group Song in Calicut University D Zone competitions
- Reshma K Bhaskaran (Mathematics) won the first place in 23rd National Mathematics Talent search exam held at St. Mary's College, Thrissur.

2010-11

- Chithra T N (Mathematics) won the first place in English Essay Writing Competition held at Vimala College , Thrissur



- Anjitha T A (Economics) won the first place in All Kerala Quiz competition organized by Lord's Academy, Irinjalakuda
- Anjitha T A (Economics) won the third place in quiz competition held at Mercy College ,Palakkad
- Anjitha T A (Economics) won the first place in Tourism Quiz competition held conducted by District Tourism Promotion Council, Thrissur.
- Anjitha T A (Economics) won the preliminary round examination of Yuva-Challenge- Federal Bank and has participated in the finals.
- Swathy N N won the first place in Tamil Versification in Calicut University D Zone competitions
- Rosmy Antony won the third place in Poster making in Calicut University D Zone competitions
- Merin Moncy won the third place in Kadhprasangam in Calicut University D Zone competitions
- Jabeena J Sahib and Party won the third place in Pookalam in Calicut University D Zone competitions
- Meera G and party won the second prize in Eastern Group Song in Calicut University D Zone competitions
- Sruthi Jayadev and party won the third place in Thiruvathirakali in Calicut University D Zone competitions
- Meera G and party won the third prize in Eastern Group Song in Calicut University Inter zone competitions

5.3.3 How does the College seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

The College has a systematic practice of collecting 360degree feedback from its stakeholders. A feedback is collected on courses, teaching, learning methods, teacher quality, infrastructure, student support systems, outreach and extension from students and parents. Alumnae and employer feedback is also collected with due importance. The collected data is analysed in an unbiased way and corrections and changes are made from time to time. The introduction of new Add On, Certificate, Skill Enhancement Courses, new UG and PG programmes, more number of interdisciplinary competitions, career guidance programmes, smart boards, new classrooms etc were suggested through the feedbacks.

5.3.4 How does the College involve and encourage students to publish materials like catalogues, wall magazines, College magazine, and other material? List the publications/materials brought out by the students during the previous four academic sessions.

Students are active participants in designing the logos and brochures of seminars, arts festival and Monsoon fest. Wall magazines on different themes are prepared by students under the auspices of Malayalam and Economics Departments. The College publishes its College Magazine- "Marian Voice" every year. Students contribute



articles, memoirs, travelogues and other literary works to the magazine. The magazine has articles in English, Malayalam, Hindi and Sanskrit. Students are motivated to publish articles and creative works. Opportunity is provided to students to display their works on noticeboard. Departments encourage students to publish wall magazines and manuscript magazines. Six of our students participated in the newspaper designing competition organized by City Journal and won the second place. Department of Economics has brought out “Xplore” a compilation of the abstracts of projects of UG students.

5.3.5 Does the College have a Student Councilor or any similar body? Give details on its selection, constitution, activities and funding.

The Student Union is constituted as per the rules and regulations of the University of Calicut. The Student Council of the College consists of - Chairperson, Vice Chairperson, General Secretary, Joint Secretary, Fine Arts Secretary, Magazine Editor, Two University Union Councillors, and General Captain of Sports. The election to student executive council is by parliamentary mode in tune with Lyngdoh Committee report. Two representatives are elected from each class to form the electoral council, and they in turn, elect from among themselves the Office Bearers. The election committee monitors the election. The sports captain will be nominated by the Principal, Head of the Department of Physical Education and Staff Advisor of Students Council.

The election is carried out in a free manner as the campus is politics free. The activities of the College Union for the academic year begin with a formal inauguration of the College Union and the arts club inauguration. The student advisors monitor their activities. They organize Fine Arts festival of the College, celebrate festivals, observe days of national importance and supports the staff in organising major academic and cultural activities in the campus. They lead the students to participate in D zone and Inter zone competitions. The Student Editor plays a prime role in bringing out the College magazine. The University Union Councillors represent the College in Calicut University. The fund for the activities of the Students Union is collected from students at the time of admission according to University norms. The deficit is supplemented by fund raised by students through various programmes under the leadership of the Student Council. The Principal is the Ex officio Patron of College Union. The expenditure of the Council is monitored by the Principal, Staff and Student Advisors. The Grievances of the students are informed to the management through Students Union.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

The Institution has a healthy tradition of involving students in many of its academic and administrative activities. Student membership is mandatory for organizing all subject seminars and association activities. They help the faculty in preparing the programme, making announcements, leading registration and hospitality management. Every class has a representative and assistant representative for



performing the activities relating to the class. Apart from them, every class has a club, forum, fine arts, association, social service, NSS, CSS, and catholic representatives which allows the student support systems function effectively. A student from every Department is a member of Research Forum, IQAC and Career Guidance Cell. College Chairperson represents the student community in IQAC core committee, Anti Ragging and Grievance Redressal Cell. College Union members supported by the class representatives actively involved in exhibition, quiz, debates and invited talks, observance of important days, Onam and Christmas celebrations and College Day activities. College union members play an important role in ensuring the discipline of the institution.

5.3.7 How does the institution network and collaborate with the Alumnae and former faculty of the Institution.

The Alumnae join hands with the staff and students in organizing different programmes, visit to poor homes, conducting national seminars, camps, talks, classes and in carrying out Institutional Social responsibility. Alumnae is represented in IQAC. Alumnae of the Department of Economics participates in the Alumnae Lecture Series and contribute well to their extension activity *Vatsalyam*. Alumnae visits the College and Departments occasionally and extends all possible support to the fresh graduates for their higher education programmes. The staff keep in touch with the alumnae through social networks. The College has Book Bank contributed by Elder Marians. The College is proud to have twenty two of its alumnae as faculty members. The association of retired faculty of the institution, SMART (St. Mary's Association of Retired Teachers) also participates in the activities of the College. They are invited for the College day, seminars, and extension talks and for special lectures. SMART gathers in the College for celebrating festivals and retirement functions and they offer their guidance and support to the faculty whenever required. The retired teachers and alumnae has contributed to the endowments for the students.



CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

The CMC Education Policy lays down that education is not just a profession but a sacred call, a great apostolate through which we participate in the teaching mission of the Church. "Our aim is the pursuit of intellectual and professional excellence for total formation of the human person as much for her own enrichment as for the service of the Society and the Nation in the spirit of Christ" (CMC Constitution, art.97).

St. Mary's College was established in 1946 as a missionary institution with the mission of ensuring holistic development of young women through higher education. The institution's objective was to mould them as responsible citizens with deep rooted commitment to the society and the nation. To achieve this vision, the CMC management has formulated a mission of grooming women as agents of love, justice and peace through love of God, pursuit of knowledge, moral integrity and social responsibility. The Mission statement also includes inculcating in young Marians a deep rooted commitment to society so that they will work for a society which promotes faith, religious harmony and national integration. The institution aims to move with the times and introduce innovative methods of teaching-learning to make the students competent to face the challenges of globalization.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The CMC Nirmala Province which has 74 educational institutions including 70 schools, 2 colleges, a parallel college and a Teacher Training institution has a well-structured educational system. As the CMC Management has been active in the field of Higher Education since 1946, it designs and plans with a long term vision of enhancing the quality of the educational institutions under the congregation.

Governing Body

The Governing Body with the Corporate Manager at the apex is the decision making body of the educational policies of the Congregation. The Governing Body includes in addition to the Corporate Manager, the Local Managers and Principals of St. Mary's College, Thrissur and Vimala College, Thrissur which come under her jurisdiction, elected members from the teaching and non-teaching staff and a nominated member who is the secretary cum treasurer. The Governing Body meets twice a year to review, plan and implement its policies for the development of the two Colleges. The decisions taken by the Governing Body is executed by the Principals after it is ratified by the Local Management Committee, Education Committee and College Council.



Education Committee

It comprises of the Principal, Bursar, Local Manager, Superintendent, senior teaching staff and Hostel Warden. The Committee meets once a month to evolve strategies to sustain and enhance the quality of the institution in all the ways possible. At the beginning of every academic year the Committee prepares an action plan for the year and submits it before the Governing Body.

The major decisions taken and implemented by Education Committee are following:

- Hike in the salary of Guest, Teaching and Non-Teaching Staff
- Retreat for Catholic staff and students
- Fixation of fees for Self-Financing Courses
- Introduction of new courses
- Sanctioning of educational loan to wards of non-teaching staff
- Renovation of Old Hostel to provide class rooms
- PG departments are responsible for PG admission
- Setting up of a Tissue Culture Lab
- Renovation of Microbiology and Biotechnology laboratories
- Purchase of 10 cents of land for sports land
- Appointment of HR personal to IQAC

Local Management Committee

Internal coordination is brought forth through the Local Management Committee which comprises of the Local Manager, Principal, Vice Principal, Superintendent, Warden, Bursar and teaching and non-teaching staff of the College, who are members of the CMC Educational Society. The major decisions taken and implemented by the Local Management Committee are the following:

- Purchase of land for sports
- Sale of land at Nadathara due to administrative difficulties
- A Marian Trust to be constituted
- St. Mary's Outreach Sponsorship Programme to be introduced
- Renovation of Old Hostel

Principal

The Principal is the Executive Head of the institution and takes appropriate decisions pertaining to governance of the College in consultation with the Corporate Manager. In the past 4 years the College was efficiently governed by two able administrators Sr. Dr. Kochurani O. G. and Sr. Dr. Jacintha C.C. The Former Principal, Sr. Dr. Kochurani O. G, was an excellent administrator and a great visionary who was instrumental in raising the quality of the institution in a very short period of time. Some of her important achievements are the following:-

- New Hostel Block
- Recruitment of 26 faculty



- Restructuring of UG in Polymer Chemistry to UG in Chemistry
- Introduction of 2 UG and 2 PG Programmes
- Promotion of research
- INFLIBNET facility
- Introduction of Mathematics Research Centre
- Renovation of infrastructure to provide 2 Examination Halls, 2 Seminar Halls, a Research Centre and a Multipurpose Computer Centre

The Current Principal, Sr. Dr Jacintha C.C. is also a noted educationist who was the Education Councillor of CMC Nirmala Province for 6 years from 2006 to 2012. Notable achievements of the current Principal are the following

- Introduction of 2 UG, 2 PG and 2 B.Voc Programmes
- Renovation of the Old Hostel to provide 36 Classrooms and 3 Seminar Halls
- Upgradation of 14 Classrooms into Smart Classes
- Implementation of rain water harvesting
- Marian Monsoon Fest organised to constitute Student's Welfare Fund

College Council

The College Council is the most important academic and administrative body of the institution for internal co-ordination. Its constitution and functioning is as per University statutes. It consists of the Principal, Vice-Principal, and Heads of all Departments, Librarian and Superintendent. Two members from among the heads are chosen as the Secretary and the Joint Secretary of the Council. The Council monitors ,reviews and implements academic matters like introduction of new courses ,teaching-learning methods examinations, time table, student discipline and administrative matters like student admission ,infrastructural expansion etc .

6.1.3 What is the involvement of the leadership in ensuring:

The policy statements and action plans for fulfillment of the stated mission.

The objectives of CMC education includes faith formation, integral personality formation, value based education, women empowerment, renewal of families through children, social commitment, culture of peace and concern for the poor and marginalized. To realize these objectives the CMC devises an action plan which includes holistic development of students through training, the formation of, organizing programmes which help women empowerment, reaching out to families through students , encouraging religious harmony and patriotism, conveying the message of brotherhood and giving special concern for the poor by reserving a particular percentage of seats in schools/colleges for the poor and supporting the poor children by providing fee concession, learning tools, uniforms etc.

Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan



The Principal in consultation with the Vice-Principal and College Council drafts a work distribution for the entire academic year by allotting the responsibility of the various Committees, Forums and Cells to respective staff members. Before the commencement of the academic year the Time Table Committee prepares a general time table for the whole College. The Departments also prepare their individual timetables in accordance to the general timetable. Each faculty is allotted the required teaching hours and Modules are assigned to each faculty according to her /his expertise and experience. At the beginning of every academic year, the Departments draft an action plan for the year and the collective work is distributed among the faculty. The feedback on the different criteria from the different stakeholders is analyzed and the suggestions for improvement are submitted before the Governing Body for implementation.

Interaction with stakeholders

The College has cultivated a very friendly, supportive and mutually beneficial relationship with the stakeholders from its inception in 1946. Many well-wishers and patrons have emerged from the stakeholders to provide financial, academic and organizational support to the institution. The interaction with the stakeholders takes place in a formal and informal way. Formal feedback is taken from the major stakeholders-parents, alumnae, students and staffs on the various aspects like administration, academic transaction, infrastructure facilities and so on. The feedback is then analyzed and proper remedial measures are undertaken to correct the defects in the system. The Manager interacts with the faculty every year monitoring and encouraging them to do their work sincerely.

Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders

Future Planning is done at various levels. The Governing Body meets twice a year to plan and review long term development strategies. The Education Committee prepares an action plan at the beginning of every academic year and submits it to the Corporate Manager. This is followed by a monthly meeting to discuss the implementation of the plans. The Local Management Committee and the College Council review the plans of the Education Committee and implement the plans. PTA Executive Committee meets every first Saturday and Alumnae Executive Committee meets once in two months to supplement the developmental strategies of the institution.

Reinforcing the culture of excellence

Christian institutions are renowned for their culture of excellence and parents who want their children to excel seek admission for their wards in these institutions. Visionary planning keeping in sight future development, systematic administration, proper scheduling of work, close attention to minute details and the whole hearted and



zealous involvement of the Management has contributed to the evolution of a culture of excellence in these institutions.

St. Mary's College, Thrissur being the first higher education institution of the CMC management has imbibed all these characteristics and this has led to the crystallization of a culture of excellence in the College. It is an acknowledged fact in the local society, and among other higher education institutions that the activities and programmes of the College will be of a high standard. The numerous healthy practices of the institution internalized and institutionalized over a long period of time have contributed to the formation of this culture.

Champion organizational change

The Education policy of the CMC Congregation has always been in tune with the times and has championed changes to suit the needs of the society. An educational institution cannot survive unless it is ready to adapt to the changing scenario.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

- Long term planning of the Governing body.
- Participatory management and delegation of authority.
- Future plans advocated by the Education Committee.
- Discussion and review of future plans in the Local Management Committee and the College Council.
- Action plan prepared by Departments at the beginning of every academic year and submitted to the Principal.
- Review of the previous year's action plan to verify implementation.
- Periodic meetings of various committees to ensure proper coordination and systematic implementation.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

The well-organized hierarchical structure of the CMC Management ensures effective leadership at different levels of governance. The Department is the lower most administrative unit. The head of the Department coordinates the activities of the department and distributes the work to the faculty of the Department. The Head of the department is a member of the College Council which is headed by the Principal and is actively involved in the decision making process of the institution. One senior member from each department is represented in the IQAC and the College developmental plans are implemented by the IQAC under the leadership of the IQAC Coordinator and Joint Coordinator.

6.1.6 How does the college groom leadership at various levels?



The Manager and the Education Committee play an active role in selecting meritorious candidates with communicative skills and leadership potential to the two colleges under the management. After their induction to the institution they are groomed and trained to acquire leadership qualities. They are put in charge of various committees, clubs and forums and acquire through experience the qualities needed to guide and motivate the students. In addition to this leadership trainings are organized every year to equip the faculty with the necessary leadership skills. The faculties are also encouraged to attend leadership training programme in other institutions.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments/units of the institution and work towards decentralized governance system?

Though the departments do not have absolute autonomy they are given the freedom to formulate and implement the action plan for each academic year. Major financial and infrastructure requirements are provided by the Principal and the management. Each department has an association and the respective association activities are organized from the association fund collected from the students.

6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.

The management has from the very beginning promoted participatory management in the administrative and academic activities of the college. Though the management is the decision making body, all the stakeholders of the institution participate in the governance of the institution. Student representation is ensured in major committees like IQAC, Grievance Redressal cell, Anti Ragging cell and Career Guidance cell. The College Union acts as the intermediary between the College Council and the students. The IQAC acts as a meeting point for all the stakeholders as it consists of representatives of the management, teaching and ministerial staff, PTA, Alumnae and College Union.

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

As the college is managed by Christian nuns they are wholly dedicated to the cause of quality and excellence. This insistence on quality begins with the qualified and meritorious faculty and non-teaching staff and is followed strictly in all the aspects like curriculum enrichment, teaching learning process, research and extension, infrastructure expansion, student support and mentoring, department activities and administration and all the varied and institutionalized Healthy Practices of the College. This policy of excellence is clearly stated in the Vision of the College and has been implemented throughout the 68 years of its existence. The Corporate Manager meets



and interacts with the newly appointed staff and conveys the policy of excellence followed by the College. It is the Principal who conveys to the newly inducted students this quality of excellence. Academic and administrative policies and activities are well planned, keeping in mind this penchant for excellence.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

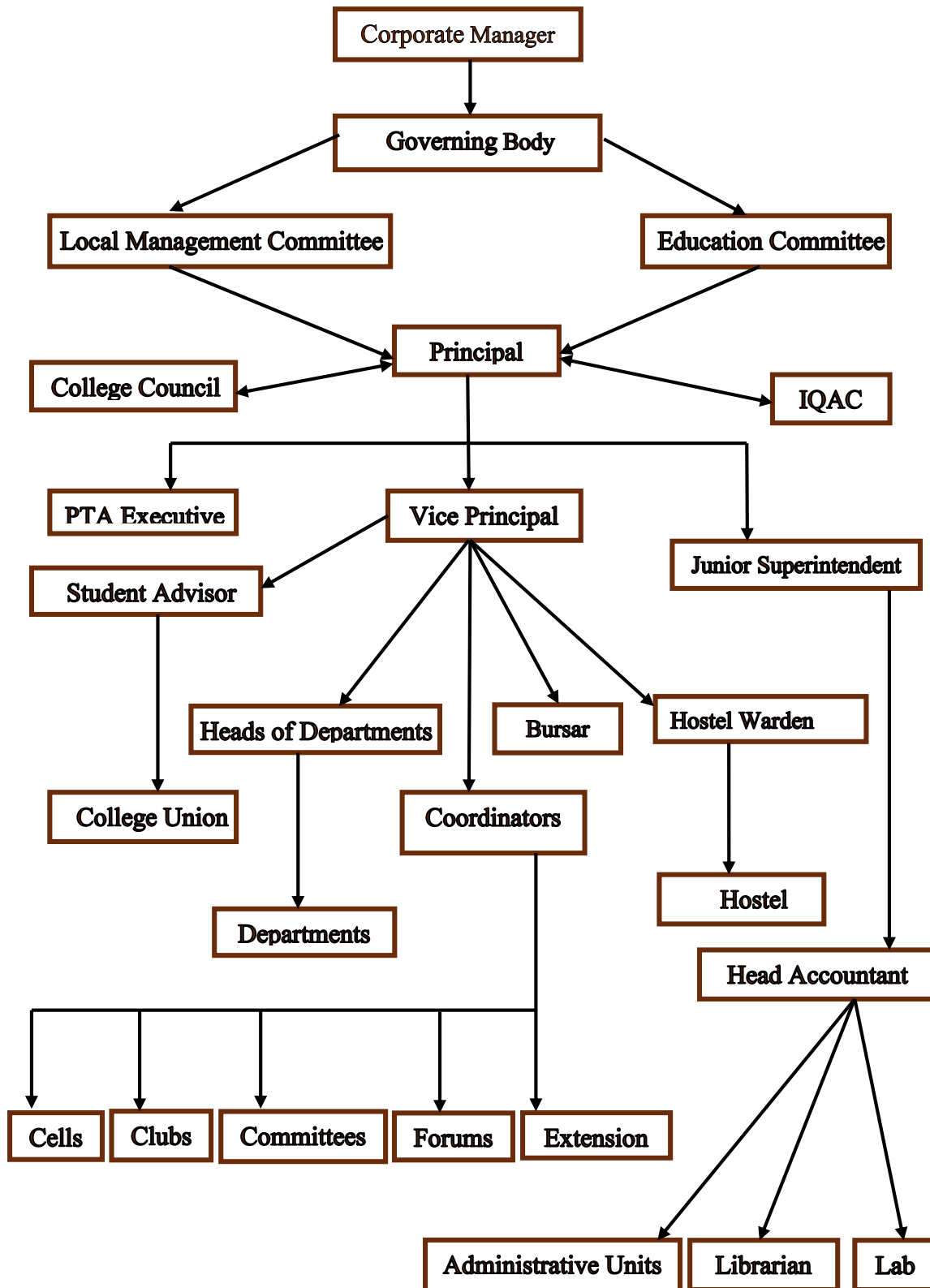
No institution can develop without long term planning and periodic additions and changes to the plan. The Governing Body which came into being at the inception of the College prepared the blueprint for the developmental plans of the college. From time to time according to the need of the times additions and revisions are made to this. The NAAC peer team which visited the College in 2010 recommended the preparation of a 10 year future plan for the institution. Accordingly soon after the re-accreditation of the College the Principal directed the departments to prepare a future plan for the next 10 years. These departmental plans were submitted to the Principal. The Principal, College Council and the IQAC together finalized the future plan of the institution for the next 10 years. The perspective plan includes aspects like introduction of new courses, curriculum enrichment, new methods of teaching to be introduced, training for faculty, organization of seminars, workshops and lectures, applying for major and minor projects, establishment of research centres and research facility, infrastructure expansion and upgradation, introduction of student support initiatives, career guidance activities, recreational and sports facilities, seminars and activities for parents and alumnae and eco-friendly initiatives.

6.2.3 Describe the internal organizational structure and decision making processes.

The Principal coordinates and control the administrative and academic activities of the College with the support of the Vice Principal. The College Council and the IQAC assist the Principal in internal Coordination. The Departmental activities are coordinated by the Heads and the activities of the various Committees, Forums and Cells are systematically planned and implemented by the coordinators. The Superintendent is in the charge of administrative activities and works in close coordination with the Principal. The Governing Body is the decision making body while the Executive Committee and Local Management are executive bodies which ratify and execute the decisions with the support of the College Council.



Organization Chart





6.2.4 Give abroad description of the quality improvement strategies of the institution for each of the following

Teaching & Learning

The quality of teaching-learning depends to a great extent on two aspects-improving the quality of the teacher and improving the quality of the teaching aids used. To improve the quality of the faculty, they are encouraged to attend Orientations, Refresher Courses, Training Programmes Conferences, Seminars and Workshops. Faculty Development Programmes are also organised by the institution to improve the quality of the faculty. The College has shifted to a learner centered approach and provides Mentoring, Bridge Course, and Remedial Coaching and encourages Peer Teaching. ICT enabled teaching is promoted through the introduction of Smart Boards, LCDs, Language Lab facility etc. Add Ons and Certificate courses have been introduced to supplement the curriculum.

Research and Development

The College has made great strides in the area of research since its re-accreditation in 2010, because of the encouragement given to the faculty and student to take up and continue research. The Research Committee encourages the faculty to pursue research, publish in National and International Journals and take up projects and present papers. Faculty of the College get opportunity to publish their papers in the science journal “Annals of Basic and Applied Sciences” published by the College. The faculty encourage the students to participate and present papers in seminars, publish in journals and take up research project in industries and research laboratories. Students are also motivated to publish their research finding in journals in collaboration with the faculty who guide them. The Research Forum meets once a month and students get an opportunity to present papers during these sessions.

Community engagement

The College has always given importance to the social responsibility of individuals and institution and has engaged in activities to uplift the underprivileged. College and departments have introduced a number of community extension activities and have also strengthened some of the already existing extension activities. An MoU was signed by the College with St Mary’s Convent UP School, Chiyaram for the adoption of 40 underprivileged school children of the School. The Departments take the students to Old age homes and Orphanages. With the introduction of BSW in this year, the Principal has directed the BSW department to coordinate the community extension activities of the College. The introduction of the BSW programme was aimed at enhancing the community extension activities of the institution.

Human resource management

The structured yet decentralized administration provides for effective human



resource management. Academic and extension activities of the Departments are coordinated by the Heads of the Department with the cooperation of the faculty and the Heads of Department are directly responsible to the Principal. The Principal entrusts the responsibility of the Committees, Forums, Cells and Clubs to the Coordinators who cater to diverse needs of the faculty and students. Under the guidance of the Student Advisors, the College Union works for the benefit of the student community.

Industry interaction

The Skill Enhancement Cell is responsible for the promotion of institution – industry interaction. Seminars/ Workshops in collaboration with industries and industrial experts are organized to give awareness to the students on the scope and need for industry interaction. Students are encouraged to take up research in industries to enhance their placement opportunities. Science students are given the opportunity to visit industries every year.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

The Principal briefs the Corporate Manager from time to time and during Governing Body meetings on the administrative and academic aspects of the College. The AQAR and the Annual Report of the College are submitted every year before the Governing Body. The Manager visits the College and interacts with the staff every year. In addition to PTA Executive meetings which is held every month the Departmental PTA Meeting and General Body meeting are held every year. The Alumnae Executive Committee meets once in 2 months and the General Body of the alumnae is held on 26th January every year. The Annual Report of the College is presented before the public on the College Day. Representatives of all the stakeholders meet and interact with each other in the IQAC general body meetings.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The Management has from the inception of the College evolved a friendly and cordial relationship with the staff and the staff have been equally cooperative to the management. Representatives of the staff are present in all the Committees. The major decisions of the institution are taken only after it has been discussed and passed by the College Council .which consists of all the HODs in addition to the Principal and Vice Principal. All the activities of the College are carried out through various committees made up of the staff of the College. Accountability and responsibility are two qualities nurtured by the management in the staff. An evaluation of a major programme /activity is done on completion and the efforts of the staff are acknowledged by the management. The Principal congratulates a committee when an



activity is successfully completed and puts it up on the notice board. The Principal has a personal relationship with the staff and visits their homes and maintains a warm relationship with their family. The institution is like a big family and joys and sorrows are shared with each other.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

The first meeting of the Governing Body in 2013-14 was convened at Trinity Convent, Kolazhy on 26/09/13.

The following are the resolutions taken at the meeting and the status of their implementation:

SI No	Resolution Taken	Resolution Implemented
1	Introduction of New Programmes	2 UG, 2 PG and 2 B.Voc Programmes introduced in this academic year.
2	Prepare the college to apply for accreditation	LOI submitted on 9/10/2014 for the accreditation of St Mary's College ,Thrissur
3	Appoint new teaching and non-teaching staff	2 non-teaching staff appointed in December, 2013 and 3 faculty appointed in October ,2014
4	Increase the salary of Guest teachers and non-teaching staff	A salary increment of Rs.2000/- to guest faculty and Rs.250/- to non-teaching staff.

The second meeting of the Governing Body was convened at Trinity Convent, Kolazhy on 18/03/2014.

The following were the resolutions taken at the meeting and those implemented.

Sl. No	Resolution Taken	Resolution Implemented
1	Promotion and transfer of teaching and non-teaching staff	Sr. Maria Paul transferred and promoted to the post of Superintendent at St Mary's College, Thrissur. One other non-teaching staff also transferred with promotion to St Mary's College ,Thrissur
2	Orientation for Sister staff during vacation and for lay staff prior to the re-opening of the College	Orientation organized for both sister staff and lay staff
3	Increment in the salary of Guest teaching staff who are having PhD and Net	Increment given to the Guest teaching staff who have PhD and NET qualification



	qualification	
4	Appointment of teaching and non-teaching staff to regular unfilled vacancies	3 faculty and 3 non-teaching staff appointed to regular vacancies
5	Restructuring of St Mary's College old hostel into academic Block	Old Hostel restructured into Academic Block consisting of 36 Class rooms, 3 Ac Seminar Halls and a Gym
6	Buy a land near St Mary's College for shifting the Social Centre at Nadathara ,funded by the Kerala State Social Welfare Board	Negotiations being carried out to buy the land

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

Autonomy has been introduced for the first time in Kerala in this academic year and a few colleges have been accorded autonomy. The College has more number of self-financing courses which is a stumbling block in the progress towards autonomy. But the Management is seriously thinking of ways to overcome the hurdle and gradually move towards autonomy. As a first step the College is planning to apply for CPE.

6.2.9 How does the Institution ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

Grievances are promptly attended to and resolved. There are two ways in which grievances are resolved. A Grievance Redressal Cell functions to address the complaints of both the students and the staff. In addition to this, the Tutorial system is very effective in redressing most of the grievances that the students have. In a similar fashion, the faculty express their grievances to the Staff Club who intimate the Principal and necessary action is taken. The parental grievances are discussed during the general body and executive committee meetings of the PTA. The departmental faculty maintains a close contact with the alumnae and redresses their grievances in an informal way.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

- A Case was filed in the High Court in 2011 to issue the direction to finalize the fixation of staff pattern for the appointment of Teaching Staff (High Court-WP (C) No.16186/2011(W) dated 24th Augusts.)



- A case was filed to allow the management to publish notification inviting application (High Court -WP (C) .No. 16186/2011(W) dated 22nd Sep. 2011.)
- There was much delay in staff fixation and hence Government had denied salary to the newly appointed staff. A case was filed and an order directing the University to arrange staff fixation was issued (High Court –WP (C) .No .16186/2011(W) dated 6th December 2011)

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If ‘yes’, what was the outcome and response of the institution to such an effort?

A student feedback is obtained every year from outgoing UG and PG students using a structured questionnaire on different aspects like teaching, learning, library, office and infrastructure, laboratories and so on. The data obtained is analysed using Likert scale methodology and scores are divided into low, medium and high. The analysis points out that the students have high level of satisfaction towards different aspects like teaching, learning, courses offered, laboratory facilities, discipline etc. But over the years students have indicated that some aspects like hostel facilities, awareness on career opportunities, opportunities for sports and games need to be enhanced further. Considering the suggestions put forward by students the College has taken the initiative to improve the Hostel, conduct more career guidance and campus recruitment programmes as well as provide more opportunities and training sessions to participate in sports, extracurricular and co -curricular activities within and outside the campus.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?

The CMC Management has always given prime importance to staff quality and has undertaken several strategies to enhance their professional, administrative and management skills.

The following are the steps taken for the professional development of the staff.

- Organised Seminars /Workshops /Talks for the teaching and non-teaching staff
- Provided computer training to the staff.
- Encouraged the staff to attend Seminars /Workshops.
- Motivated the faculty to do research leading to M.Phil and Ph.D
- Encouraged the faculty to take up research projects
- Provided support and encouragement to the faculty to apply for FDP and other developmental programmes

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the



roles and responsibility they perform?

The academic year begins with an Orientation on the duties and responsibilities of the faculty to motivate them to work sincerely in this “Sacred Vocation” as the CMC Management views teaching. Talks and Seminars are organized by the Management from time to time for the professional as well as personality development of the faculty. Youth is a time of personal problems and faculty have to be equipped with basic psychology to provide counseling to the students. It is with this objective that the faculty were given NLP training at Santhidham Counseling Centre, Thrissur. Non-teaching staff are given computer training as the administrative units are all now computerized.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

The performance appraisal of the faculty is based on self-appraisal and the faculty evaluation done by the students every year. After the Re-accreditation of 2010, the faculty have internalized the practice of maintaining a record of all their curricular and extracurricular activities in the Teacher’s Dairy. At the end of the academic year, it makes it easy for the faculty to assess their overall performance in the Self-Appraisal forms. In addition to this, the Principal takes an evaluation of the faculty from the students. This is analyzed and the faculty are rated according to their performance. The Principal shares the feedback personally with the faculty and motivates them to perform better in the next academic year. The promotion of the staff is based on the self-appraisal and student evaluation.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stake holders?

The feedback from the various stakeholders is taken every year analyzed by the IQAC and the Principal is given a copy of the index of the analysis. Remedial measures are taken to strengthen the weak areas.

The Governing Body is intimated of the performance index of the College at Governing Body meetings. The Governing Body supports the remedial measures whenever and wherever necessary. One of the issues that students of St. Mary’s College wanted to be rectified was the lack of class room. The Principal took up this issue with the Corporate Manager and gained sanction for the renovation of the Old Hostel into an Academic Block to provide 36 Class rooms, 3 Seminar halls and other facilities.

The parents offered the feedback that Communicative English courses, Skill Enhancement Courses and Yoga Training should be provided to the students. Accordingly UGC Add Ons in Communicative English and Yoga and Health Management Science, an Advanced Communicative English Certificate Course and Skill Enhancement Courses were introduced.



A TQM Feedback is taken once in five years to assess the overall performance of the institution. The TQM was assessed by the Management through feedbacks from Students, Parents, Teachers and Administrators. Different questionnaires are used to elicit information from them. The questionnaires were divided into four sections – Academic, Social, Spiritual and Administration. In the TQM feedback taken in 2012-13, Students, Parents, Teachers and Administrators have experienced a very high degree of satisfaction towards Academic, Social, Spiritual and Administrative aspects. The TQM feedback obtained from the stakeholders is very positive and the institution hopes to maintain and enhance it to greater levels.

TQM Analysis

		Student	Parent	Teacher	Administrator
Academic (%)	Teaching	97.91	86.6	89.2	98
	Learning	92	88.7	95.07	91.8
	Evaluation	95	86.6	94.9	98.21
Social (%)	Student	97.72	86.67	94	91.08
	Teacher	95	86.67	90.4	95
	Administrator	97	84	85.2	98.5
Spiritual (%)	Myself	95.83	90.6	92.3	91.92
	Others	91.6	80	86.01	98.2
	Environment	93.75	86.7	94.13	96.8
Administration (%)	Student	87.5	86.67	90	99.43
	Teacher	87.5	86.67	94.35	93.64
	Administrator	91.6	85.2	97.6	94.93

6.3.5 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

Employees are given due respect and support by the management. The welfare measures include residential facility, canteen, counselling, advance salary, financial support for treatment of self and family members, education fund for children, loan facilities, ESI, subsidized food, marriage fund for poor, Grievance redressal mechanism and other facilities provided by the staff club.

Particulars	2010-11	2011-12	2012-13	2013-14
Advance Salary/Loan facilities without interest	9	6	4	5
Staff in Hostel/Staff Quarters	17	18	17	15
Employees State Insurance (ESI)	-	-	40	39



Provident fund and other Allowance	20	30	34	28
State Life Insurance (SLI)	38	41	42	41
Group Insurance Scheme (GIS)	28	35	34	36
Financial help for treatment of self and family members	18	11	16	10
Children's Education Fund	15	27	27	24
Marriage Fund	9	10	5	3
Financial assistance for house construction	11	5	2	-
Free accommodation to deserving	4	3	3	3
Recreation Rooms	100	100	100	100
Leave Facilities	100	100	100	100
Canteen	100	100	100	100
Subsidized food	13	12	12	11
Seminars and Orientation for enrichment	90	88	90	89
Retreats / Value Enrichment Programme	100	100	100	100

* Number denote percent

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

The excellent reputation of the College, good academic ambience, well maintained clean campus, the encouragement given by the management to the overall personality development of the faculty, good library and laboratory facilities, the long tradition of healthy practices are all factors that attract eminent faculty to the institution and prompt them to remain in the institution.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

As the administration of the institution is systematic and well structured, financial management is also done in an effective and efficient manner. The Bursar is in charge of the financial transactions of the institution. The Bursar is supported by the Superintendent and administrative staff. The institution avails of government grants and UGC grants through proper planning and application submissions on time. The funds are effectively utilized for the purpose for which it is granted and the income and expenditure are properly audited and filed. The College has a large number of self-financing programmes and the financial management of these programmes is also effectively coordinated. UGC grants do not always meet the expenses involved in infrastructure expansion and maintenance. The management contributes the deficit in the budget and caters to the development of the College.



6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

Internal audit is carried out every year by private chartered accountants. External auditing is done annually by the DD's office and AG's Office. The last audit was done on 22/04/2014. The major audit objection according to letter No: G2-28934/0 MO of the Kerala Education Director was that the registration fees remitted in the PD Account cannot be taken back from the account.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

The major sources of funding for the institution are government grants, UGC grants, government salary of staff, fee collected for self-financing courses, scholarships, Management, PTA and Alumnae. Though the Management is efficient enough to avail the maximum financial funding from the Government and the UGC it is not always enough for the developmental activities of the institution. The deficit is provided by the management. There is no reserve fund available with the institution. The Management provides the necessary fund whenever it is needed.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

The institution encourages well-wishers, sponsors, PTA and alumnae to contribute to the developmental activities of the institution. Departments, faculty and students are encouraged to take up projects and activities with financial assistance from external funding agencies.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

For sustaining and enhancing the quality of the institution, the IQAC was constituted in 2005. The IQAC comprises of the Principal, Vice Principal, Coordinator, Joint Coordinator, a Department Faculty representative, a Student representative, Management representative, an industrial representative, 2 alumnae representatives and 2 local community representatives. Even before the NAAC accreditation and the IQAC came into being, the College had stood for quality and academic excellence. The constitution of the IQAC has provided an impetus to the



enhancement of quality in not just academic activities but in all the seven criteria for development specified by NAAC. The IQAC has taken complete charge of the quality related activities of the institution and has evolved strategies for the progress of the College. Yearly academic audit of the departments, compilation of the AQAR and SSR have paved the way for quality improvement in academic matters.

b. How many decisions of the IQAC have been approved by the management/authorities for implementation and how many of them were actually implemented?

The IQAC submits development proposals to the Management through the Principal. The Management always supports the endeavours of IQAC to enhance and assure quality education to all. The following are some of the proposals put forward and implemented by IQAC

- Organized 2 National Seminars –Quality Enhancement in Higher Education through Student Support and Progression(2012), Recent Trends in Higher Education Policies :Scope and Challenges in Governance, sponsored by NAAC(2014) and organised a National Workshop on Digital Age Pedagogy: Perspectives and Prospects(2014)
- Organised programmes on Self Esteem, Personality Development, Teaching Methodology etc for students and faculty
- Provided Orientation to the first semester UG and PG students and their parents every year
- Initiated Sr. Dr. Rani George Endowment Fund for organising a Lecture and National Level Paper Presentation Competition annually
- Organised Gender Sensitisation and Environment Awareness Programmes
- Introduced 14 Smart Boards for ICT enabled teaching
- Arranged research oriented programmes to enhance research culture in students and faculty
- Organised Value Education and Personality Development Programmes for non catholic students
- Initiated Certificate and Skill enhancement Courses
- Initiated of Entry level tests for I Semester UG students

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

The IQAC has 3 external members, Prof. Cyriac John, Prof. Annam John and Ms. Priya Chakola a successful entrepreneur. The first two are representatives of the local community and are very much committed to the society and are ready to provide their help and cooperation to the institution. Prof. John Cyriac is a former Municipal Councilor and President of the Public Library, Thrissur and has agreed to a collaboration between the Public Library and the College by which the Public library will organize “Meet The Author” programmes in the College and in return the students of the college will contribute to the of the Public Library. It was on his suggestion that



the Microbiology Department organized a Cancer Awareness Programme. Prof. Annam John is the Municipal Councilor of Thrissur Corporation .She is also a retired faculty of the College and is a role model for all students who aspire to be educated in the true sense. With her cooperation, the College has launched a cleanliness drive in the ward from where she is the Councilor. Ms. Priya Chakola the representative of the industry, combines in her in equal measures the qualities of maturity, intelligence and confidence required to create a truly empowered woman and is also a good role model for the students.

d. How do students and alumni contribute to the effective functioning of the IQAC?

The College Union and the IQAC student members from each class represent the student community in the IQAC The student representatives are actively involved in the organization of IQAC seminars and other major activities of the IQAC. The Union Chairperson is present during general body meetings and takes the initiative to promote the quality of the curricular and co-curricular activities. The IQAC directly organised 2 workshops to enhance the ICT skills of the faculty in collaboration with the Department of Computer Science. The IQAC has instituted an endowment in honour of the former Principal Sr. Dr. Rani George which will be utilised for the organization of a yearly endowment lecture and a paper presentation competition for PG students. The alumnae have become very active in the last 5 years and have contributed a lot to the welfare of the college. The President and Secretary of the alumnae are members of the IQAC.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

All the stakeholders of the institution faculty, students, administrative staff, parents, alumnae, the local community and management are represented in the IQAC. Major decisions of the IQAC are taken in the general body meetings. Intranet connection is there to connect the IQAC with the Departments, the administrative sectors, and the library. For the smooth conduct of administration a weekly report of the departmental activities is mailed to the IQAC room. The IQAC administrative staff representative coordinates the IQAC work of the non-teaching staff and informs the IQAC Coordinator of their major activities.

6.5.2 Does the institution have an integrated frame work for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.

The IQAC acts as the coordinating agency for assuring the quality of the academic and administrative activities of the institution. A yearly visit is made to the Departments, administrative units and library at the beginning of the academic year. The IQAC members audit the academic performance of the Departments and suggest developmental activities. The Departments follow a uniform filing system as directed



by the IQAC. The IQAC organised two National Seminars related to quality in the post re-accreditation period. The NAAC sponsored Seminar on “Recent Trends in Higher Education Policies: Scope and Challenges in Governance” was rated as very effective by the staff of the College and neighboring colleges. NAAC peer team members are invited from time to time to provide awareness on quality sustenance and enhancement measures and this has definitively lead to the introduction of many quality related initiatives.

6.5.3 Does the institution provide training to its staff or effective implementation of the Quality assurance procedures? If ‘yes’, give details enumerating its impact.

The College organizes Workshops and Orientations every year to provide awareness and training to the teaching and non-teaching staff on quality maintenance and enhancement techniques. The institution also encourages the staff to attend quality related Seminars, Workshops and Training sessions conducted by Governmental and Non-Governmental institutions inside and outside the state. The Management meets the expenses of the staff who attend seminars/workshops on quality initiatives. The administrative staff of the College organized UGC sponsored One Day State level Seminar on “Tools and Techniques of E-governance for Ensuring Efficient Administration” on 15th December 2012.

Training in Computer skills and e-governance is organized from time to equip the administrative faculty. Faculties are also given Workshops on ICT enabled teaching-learning. The quality assurance related trainings organized by the institution and the exposure to seminars on quality organized by reputed institutions have motivated the staff to work zealously for excellence.

6.5.4 Does the institution undertake Academic Auditor other external review of the academic provisions? If ‘yes’, how are the outcomes used to improve the institutional activities?

Internal as well as external audit is carried out in the institution. Internal audit is done by the IQAC and external audit is done by academic expert from outside the college. The suggestions of the experts are analysed and implemented.

6.5.5 How is the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

There has always been a quality mechanism in the College even before the introduction of the IQAC in the College. The IQAC was established immediately after the first accreditation of the College. The constitution of the IQAC is in line with the NAAC directives. In 2009 when the semester system was introduced a College Level Monitoring Committee came into being at the directive of the University. This Committee is in charge of monitoring curriculum transaction in the Choice Based Credit Semester System.



6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The College Council is the body that reviews and reforms the teaching-learning process in the college. Grievances on teaching learning reach the College Council through the Grievance Redressal Cell, Tutors, Heads of Departments and Opinion Boxes. These complaints are analysed and necessary steps are taken to remedy and enhance the quality of teaching-learning process. Promotion of the faculty is based on student feedback and self-appraisal of the faculty.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The Quality sustenance and enhancement policies and the role of IQAC in formulating and implementing the same is communicated to the various stakeholders during the executive committee and general body meetings of the stakeholders. The newly admitted students and their parents are given an orientation on their first day in College regarding the quality related activities of the college. Quality assurance policies and mechanisms and the outcome of these policies are communicated to the stake holders through the Annual Report of the College. AQAR is submitted every year to the NAAC and is uploaded in the College website.

Any other relevant information regarding Governance, Leadership and Management which the college would like to include.

The penchant for quality is communicated verbally and non-verbally to all the stakeholders the moment they become a part of the Marian fraternity. Each and every act is executed with the greatest care possible so as to maintain a high level of excellence. The appointment of the staff is based on merit and when they are appointed they are given an orientation by the Corporate Manager about the expectation of the Management on the high quality work culture expected from them. Students are also given an orientation at their entry into the institution on the culture of excellence maintained since its inception. The Management being a non-profit community is very particular about maintaining a high standard in academic and administrative matters. This insistence on quality is communicated through the college Handbook and Calendar, Prospectus, Website and all other publications and events of the institution.



CRITERION VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Internal Green Audit is done in the campus under the initiative of Department of Botany. Efforts are made to include various areas such as Biodiversity conservation, greening of campus to reduce the carbon imprints, water conservation and waste management under its purview. Though the campus is in the heart of the city, the institution makes utmost effort to make the campus environment friendly.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

Energy conservation

The College always has uninterrupted power supply as it has its own high tension Cast Resin transformer of 250 KVA and four generators of 125 KVA (full back up – College and Hostel), 82.5 KVA (St Joseph block), 30 KVA (Library block) and 15 KVA (College block). A capacitor of 70 KVAR is installed to prevent voltage fluctuation. To avoid damage to instruments due to voltage fluctuations, stabilizers are used. There are 20 online UPS of varying capacities used in the College campus, 3 KVA – 4 Nos, 5 KVA – 5 Nos, 6 KVA – 1 No, 7.5 KVA – 7 Nos. Various measures adopted by the institution to conserve energy are

- Switching off lights, fan, AC, computers, LCDs when not used.
- Move towards energy saving appliances, air conditioners, refrigerators by replacing old energy consuming models with new energy efficient models.
- Use of CFL Bulbs.
- LCD/LED Computer Monitor.
- Regular upkeep and maintenance of electric appliances switch board, water taps, electric and water lines to prevent leakage and wastage.
- Reducing use of power by using pressure cooker in laboratories instead of autoclave

Use of renewable energy

As a move towards reducing the dependence on conventional non-renewable source of energy, solar water heaters are used in the College hostel and staff quarters. Solar lighting has also been introduced in the College garden. Four biogas plants are maintained in the Hostel and staff quarters to meet the energy requirements for cooking and reduces the dependence on LPG.



Water harvesting

Rain water harvesting system with a built up water tank of 54600 L capacity is installed in the College and hostel for the effective collection of rain water. The collected water is utilized for watering the plants and cleaning. Rain water harvesting with a capacity of 500L is also successfully carried out by Chemistry Department and the harvested water is utilized for laboratory washing purposes. Use of Rain water as distilled water for laboratory experiments save the energy consumption in making the distilled water.

Check dam construction

To ensure the availability of safe drinking water, in connection with the UN International Water Day Celebration, the Bhoomitrasena Club and Department of Botany has undertaken a cleaning up programme of a common well situated in SC colony at Chembukavu. The well currently meets the water supply requirements in the colony. Our sports students participated in the cleaning drive of famous Vadakechira, a landmark water body in Thrissur City.

Efforts for Carbon neutrality

Every individual needs to strive towards reduction of carbon. With this motto the institution gives due importance to reduction of carbon imprint as they consider it as their responsibility to protect the generations to come. The College has undertaken some initiatives to regulate and reduce the carbon emissions.

- Growing of indoor plants
- Use of LPG in College Canteen and Biogas in College Hostels.
- Garbage is not directly burnt in the campus
- Outside vehicles are not allowed into the College campus
- Car-pooling is encouraged among staff
- Students are motivated to travel by city bus than use individual vehicles
- Driving classes are conducted to equip students with competent driving skills and provide them the right way of driving and to handle vehicles to reduce the carbon imprint
- Going digital to reduce paper use

Plantation

RET garden was established in 2009 by Department of Botany in collaboration with M.S. Swaminathan Research Foundation, Wayanad for the conservation and protection of Rare, Endangered and Threatened plant climbers and other plant groups with about 150 different plant species. The Botanical garden contains about 200 plants belonging to different plant groups. Orchid garden contains about 15 species which includes rare and endangered plant varieties. A fern garden also exists in the campus with nearly 30 varieties of ferns. The Department has undertaken the project “Know



Plants, Grow Plants” with an intention to create an awareness of various medicinal plants and the need of their protection and promotion. Under this programme, 25 medicinal plants are distributed to 25 different schools in Thrissur for establishing a herbal garden in the respective institutions. Regular monitoring of the garden are conducted and various competitions relating to the “phytomedicine and conservation aspects of medicinal plants” are organized for the school students. With the assistance from Oushadhi, the Department has set up a well maintained herbal garden consisting of about 500 medicinal plants. Winter and other vegetable seedlings and medicinal plants are distributed among the staff and students of the college. A Butterfly Garden-*Shalabha* has been set up to conserve butterflies thereby to conserve nature. The inauguration of seed production as part of the project “Green Thrissur”- a joint venture of Calicut University NSS & TDA (Thrissur Development Authority), was held in the College by Hon. Pro-Vice Chancellor Prof. K Raveendranath. In connection with International Year Of Family Farming students grow some vegetables in the College campus. Terrace gardening is carried out by certain departments to overcome the space constraint. Indoor plants are grown which has positive impact of reducing carbon emissions. As part of ‘vitheriumyatra’ the fifth semester BSc Botany students scattered thousands of seeds to the deep forests on way to Koorg, Ooty and Mysore

Hazardous waste management

The College has introduced “*L’Aria Fresca*”, a cleanliness drive to ensure a clean campus and City and ensure a healthy atmosphere. With regard to waste management, the institution calls for minimising the wastes by reducing the use of plastic bags, cups, plates etc. The lunch and tea for all programmes provided are in reusable utensils. The departments advocate the optimal use of paper by the staff and students by writing on both sides of paper, one side used papers are reused and online corrections of assignments and projects are done. Wastes are segregated at the outset into recyclable waste, non-recyclable waste and biodegradable waste. Biodegradable wastes are put into the Vermi Compost pit or biogas units in the College and hostel campus. Vermi wash and vermi compost, prepared is used in College garden. The non-recyclable plastic and other wastes are burned off in the incinerator. There are two incinerators –one in the College and other in the hostel. However open burning is not done in the campus. The recyclable wastes, plastics and other glass item are sold off to the local traders. Awareness is provided to the students and staff in effective classification and disposal of wastes.

The usage of plastic disposable petriplates are minimised and autoclavable glass petriplates are used in the labs. Efficient management is ensured in handling hazardous wastes from the laboratories. Toxic wastes like Ethidium bromide are disposed only after treating with activated charcoal. Aqueous solutions containing <math><10\mu\text{g/ml}</math> EtBr can be released to the drain while aqueous solutions containing >math>>10\mu\text{g/ml}</math> EtBr should be filtered or deactivated using charcoal and then the filtrate can be drained down. Microbial cultures are treated with bleach or 70 percent alcohol and then decontaminated. Acidic and basic wastes are neutralized before disposing. The acidic and alkaline waste are first diluted and mixed well. Then



the pH is checked. To maintain pH as 7, lime stone is added. Then the neutral effluent which is discharged is less harmful. Students are trained to handle strong acids and other harmful chemicals to prevent any untoward incidents.

E-waste management

Like any organization, managing e waste is a serious issue. The electronic gadgets are carefully handled to make them last long. The damaged electronic products are sold off to the local traders for recycling. The computers and other items are upgraded to the maximum possible level and exchanged for new ones if not possible. The use of rewritable CDs or DVDs and use of e mails are promoted to regulate the waste. The College has an intranet connection for mail transfer. Used CDs or DVDs are used for decorative purposes.

The College has organized different programmes - talks, seminars, competitions, exhibitions, visits, awareness programmes, survey, distribution and planting of seedlings and so on for creating an awareness on the need and importance of protecting our environment and natural resources. The need for conserving and preserving nature is highlighted through the promotion of use of paper bags, paper files, cloth banners for national seminars and other programmes, growing of indoor plants, use of potted plants instead of artificial flower vases, keeping away from plastic files for submission of assignments, using double side paper, unused one side papers are converted into note pads etc. Students are motivated to attend programmes outside the campus to be a part of the bigger society to spread the message of environment conservation.

Competitions Organized to Arouse Environment Awareness

Interdepartmental Quiz Competition on Environment Conservation	21-09-2010
Debate on Sustainable Development	2-11-2010
Poster presentation on Aquatic Biodiversity	23-12-2010
Essay competition on Environmental Sustainability -Roles and Responsibilities of the Citizens and Government	19-07-2011
Interdepartmental Poster Making Competitions on Dams: Boon and bane	19-12-2011
Science Essay Writing Competition on Plastic: Boon or Bane	13-01-2012
Science Quiz on Plastics	23-01-2012
Interdepartmental Essay Competition on <i>Malinyaparipalanam</i>	05-06-2012
Intercollegiate Quiz Competition on Nature and Environment	17-08-2012
Inter departmental Poster Presentation Competition as part of Ozone day celebration	17-09-2012
Competition <i>Pooparikkan Porunno</i> - Collection of indigenous flowers in Kerala	01-11-2013
Science Quiz on Waste Management	05-02-2013
Science Essay Writing Competition on Waste Management	06-02-2013



Pencil drawing Competition -Light Pollution and Energy Conservation	07-06-2013
An inter-departmental Power Point Presentation Competition for students on the topic “Monsoon diseases - Prevention and treatment”	04-07-2013
Ozone Day Celebration- Essay competition on Ozone: Its current status in the atmosphere and conservation strategies	12-09-2013
Competition <i>Ayiram Kanthari Poothiyirangi</i> - Picturisation of Kerala using eco friendly materials	01-11-2013
State Level Paper Presentation Competition- Innovative practices in Environment Conservation	4-12-2014
Science Essay Writing Competition on “Water water everywhere, not a single drop to drink”	21-03-2014
Science Quiz on Water Conservation	24-03-2014
Elocution Competition- Facing Monsoon with Confidence	05-06-2014
Power point presentation on the topic: Environmental issues and solutions: present and future	09-06-2014
Essay writing competition -Climate change and Threat to Small Island Nations	09-06-2014
Poster Making Competition - Save Plant Save Future	13-06-2014
Quiz Competition on Environment	17-06-2014
Best from Waste Competition	26-06-2014
Ozone Day Celebration- Elocution Competition on Advances in technology to prevent ozone depletion.	17-09-2014
Inter departmental slogan writing competition on Environment Conservation	24-09-2014

Seminars and Talks Organised

Seminar on Solid Waste Management By Sri. Jose, Credai Clean City Project, Ernakulam	14-10-2010
Invited talk on Environment Protection : Challenge and Future Hope by Dr. John Thomas K.	13-11-2011
State level Seminar on Economics of Aquatic Biodiversity	22-12-2010
Talk on Birds Of Wetland Ecosystem	31-01-2011
Invited talk on Forest and Climate Change Phenomenon	21-07-2011
Invited talk on Environmental Protection: Challenges and Future Hope	13-12-2011
Seminar cum Discussion on Oxygen Crisis	22-01-2012
Talk on Bioenergy Plantation	12-07-2012
Lecture on Innovative practices in Environment Conservation by Prof N.K.Prasad	4-12-2014
Seminar cum Discussion on Waste Management	22-01-2013
International Mountain Day Celebration – talk and screening of film	12-12-2013
Talk on Biodiversity of Western Ghats	13-12-2013



Talk by Dr. T. V. Sajeev, KFRI, Peechi on Fostering Scientific Temper with Special Emphasis to Environment – In connection with National Science Day Celebration	24-02-2014
Talk on Environmental Issues by Dr. Easa P.S , Director, KFRI	11-06-2014
Talk on Bio-prospecting of marine bio resources with special reference to coastal flora by by Dr. Ramanathan T, Annamalai University	11-08-2014
UGC sponsored National Seminar- Microbes for Green Environment	21-08-2014 22-08-2014

Exhibitions Organised

Poster exhibition on Environment protection	1-07-2010
Exhibition- PLASTIC EXPO 2011	28-09-2011
Exhibition- Zedonk 2012 on Waste Management	14-10-2012
Exhibition- Monsoon Diseases -Its Prevention and Treatment	02-07-2013
Exhibition- Splash 2013 on Water Conservation	09-10-2014
Monsoon Fest 2014 - Exhibition and Sale of Paper Bags, Medicinal plants and other eco-friendly items	01-08-2014 02-08-2014

Environment Conservation Drives

Planting of tree sapling in the campus and distribution of tree saplings	05-06-2010
Environment month celebration with various environment awareness programmes	08-11-2010
Environment Day Celebration -Distribution of tree saplings	07-06-2011
Celebration of “2011-International Year of Forests”	01-08-2011
Nature trip to Silent Valley National Park	16-12-2011
Documentary film on Ozone Depletion	22-01-2012
Vanamahotsava Week Celebration- Visit to Herbal garden of Oushadhi	10-07-2012
Survey on Waste Management and Awareness on Waste Management in Nadathara Panchayat, Thrissur	25-08-2012
Participation in Nature camp at AINH, Kodaikkanal	10-09-2012 to 12-09-2012
Environment day Celebration as green day in association with Satsang ,a voluntary association for environment protection	04-06-2013
Awareness Programme on “Monsoon Diseases- Its prevention and treatment” at Sacred Heart Higher Secondary School, Thrissur	02-07-2013
Distribution of medicinal plants to 25 schools in Thrissur	16-07-2013
In connection with the project “Green Thrissur”- a joint venture of Calicut University NSS and Thrissur Development Authority, the seed production was inaugurated by Hon. Pro-Vice Chancellor Prof K Raveendranath	07-07-2013



Demonstration of Paper bag making	09-01-2014
Film Show Eravikulam: a slice to eternity	24-2-2014
'ACACIA' - taking a green oath and making green thump impression.	10-03-2014
World Sparrow Day Celebration	20-03-2014
UN International water day celebration –cleaning up of a common well situated in SC colony at Chembukavu	23-04-2014
Setting up Roof Top Garden - <i>Niravu</i>	5-06-2014
Environment day celebration by planting 50 tree saplings in the College ground and distributing 300 tree saplings to the staff and students of the College	5-06-2014
Artistic expression of students on Environment	12-06-2014
Save our Earth -Distribution of paper bags and pamphlets on environment conservation in college campus	13-06-2014
IAS personality testing for students	19-06- 2014
Seed Distribution- as a part of NSS Camp, hundreds of packets of seeds were distributed to the Children of Paddies of Varantharapilly Village.	09-09-2014
Visited Bamboo Garden of Varantharapilly, Chimmini Dam as a part of their Project of “ <i>Kadariyan</i> ”	12-09-2014
NSS Volunteers set a Vegetable garden to the Children of St. Pius X School.	13-09-2014
Participation in Car free day Programme in Thrissur Town	21-09-2014
Bicycle rally in the campus in connection with Car Free Day	22-09-2014

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

- Rescheduling of time to offer Add Ons, Certificate Courses, Skill Enhancement Courses and PSC Coaching to all students
- St Mary's Square Outreach Sponsorship Programme – MoU with St Mary's C. U.P. School Chiyaram
- ASAP: Additional Skill Acquisition Programme -Twenty One Day Residential Programme
- Introduction of Scholar Support Programmes(SSP) and Walk with Scholar(WWS)
- Introduction of 14 Smart Boards(Interactive Boards) in classrooms
- Organised 13 National Seminars and Workshops on different themes – Health, Environment , Governance, Mathematics, Natural and Life Sciences Computing, Economics History and Culture
- More committees like Skill Enhancement Cell and Consultancy cell constituted
- Formation of Bhoomithrasena Club funded by Directorate of Environment and Climate Change



- Setting up of Herbal, Botanical, Orchid RET, Fern, Water Plants and Butterfly Garden
- Newsletter- Marian Pulse
- The composition of IQAC redefined to include alumnae, student chairperson, industrialist and PTA representatives
- Competitions to evoke the skills of students- Wonder woman, Cook and Book, Manuscript Magazine, Gifted Hand, Best Cook, Best Photographer
- Computer Literacy Workshops to 11 different sections of society
- Observation of National Science Day with assistance from KSCSTE
- Effective Waste Management System
- Rain Water Harvesting units in College and Hostel
- Extension and Outreach activities-*Santhwana Sparsham, Vatsalyam*, Adoption of Kolazhy as Child Friendly Panchayat
- Installation of Sanitary Napkin Vending Machine.
- Project “Know Plants, Grow Plants” with an intention to create an awareness of various medicinal plants and the need of their protection and promotion
- Introduction of DDFS
- Parliamentary Mode of election
- CCTV in hostel and College
- Group SMS facility for information dissemination to parents
- *L’Aria Fresca*-Clean Campus Clean City, Cleanliness drives to ensure clean College and Surroundings
- Award for Best NSS and NCC Volunteer
- Sr. Dr. Rani George Endowment Lecture
- Medical camps, Blood Tests, Blood donation by Elder St Marians and Alumnae
- FINK- Financial Literacy awareness in Collaboration with Financial Literacy Counselling Cell.
- Career Aptitude Test
- Marian Monsoon Fest with active participation of all stakeholders for Students’ welfare Fund

7.3 Best Practices

7.3.1 Elaborate on any two best practices in the given format at page no.98, which have contributed to the achievement of the Institutional Objectives and/ or contributed to the Quality improvement of the core activities of the college.

Best Practice I

1. Title of the Course

Life Guidance Course

2. Goal

The objective of the Course is to equip the final year students to take up the responsibilities of an adult in the family, society and the nation.



3. **Context**

On completion of the Programme of study, the students emerge into the wide world outside where they have to take up the responsibilities of work, household and society. This transition from the carefree life of the student to the duty bound life of an adult is strenuous for majority of the students. Being a Women's College, a large section of the outgoing students get married soon after the completion of the Programme. The students need to be made aware of their duty to the society and the nation. As a College established in the pre-independent era with the objective of empowering young women, the institution is very particular about imparting holistic education to the students. The basic unit of a society is the family, and women have a very important role in the prosperity and development of a family. Hence it is very essential to provide final year students, with awareness on the basic facts of marital life and the crucial role of women in the character formation of the children of the family. As the founder of the CMC congregation envisioned "When you educate a man you educate a single person but when you educate a woman you educate a whole society".

4. **The Practice**

Every year a Three - Day Life Guidance Course is organised for the benefit of the final year students. Eminent psychologists and practising marriage counsellors are invited to speak and interact with the students on marriage, man-woman relationship, marital problems and social and national responsibilities of an adult Indian citizen. Sex education is also an important part of the programme. Students are offered a psychological approach to the study of human personality which helps them in understanding themselves and others. Training is imparted to foster the inter-personal skills which are essential at both the work place and the household. The duties of a citizen to the nation and the society are enumerated to inculcate in them social responsibility. The Life Guidance Course offered by the institution gives the students an opportunity to equip themselves with the basic life skills needed for a successful life in society. This Course has been internalised and institutionalised and has been the Best practice of the College for more than 30 years.

5. **Evidence of Success**

Formal and Informal feedback obtained from the students and the alumnae point out to the great success of this Course. They have emphatically declared the relevance of this Course in their day to day life, at the work place and in the household. They have admitted that Course has a positive impact in helping them to have good interpersonal relationships. Many a time the alumnae have returned to the *alma mater* to acknowledge with gratitude, the practical use of this course in their marital lives.

6. **Problems Encountered and Resources Required**

Time constraint is one of the major problems that hinders the organisation of this Course. In the midst of final year project, examination and syllabus transaction, it is very difficult to allot three whole days for this programme.



Another hurdle is the unsupportive attitude of the students as they do not realise the importance of this Course at this point of time. It is only after the completion of their programme that they realise the significance of this Course.

7. **Notes**

Life Guidance Course is a must in every institution as it is of great practical use in the personal life of the students. Divorce and Suicide rate of the nation is increasing day by day. Stress related mental and physical disorders are also on the rise. The Life Guidance Course gives students the necessary interpersonal skills to live a balanced life in society.

Best Practice II

1. **The Title of the Practice**

Educational Sponsorship Project

2. **Goal**

The objective of this Project is the holistic development of a specific number of school children through an educational sponsorship promoting partnership of educational institutions. The Project aims at the development of these students into advanced learners with a potential for critical thinking and scientific temper. It also aims at enhancing of their IT and soft skills and empowering them with increased subject knowledge and life skills. Value education is provided to ensure that these students evolve into responsible citizens.

3. **The Context**

The current social scenario points to a marked increase in juvenile delinquency. A number of factors like nuclear families where both parents work, lack of value education, peer pressure, influence of media etc. have impacted negatively on young minds to produce this increase in crime rate. Realizing the importance of proper guidance and support in overcoming negative influences, the College decided to use its human resources to mould children of a young age.

4. **The Practice**

An MoU was signed by the Heads of St. Mary's College, Thrissur and St. Mary's Convent U.P. School, Chiyaram. According to the agreement, forty deserving students with strong desire for knowledge and education without discrimination of caste and creed were selected from V to VII classes and the College adopted them under the sponsorship project. Financial support is provided to these students at the beginning of every academic year. In addition to this a one day orientation programme is organized every month for the holistic development of these students. The Departments take turns in organizing these activities and faculty and students of the College are actively involved. The forty students are also taken for a one day outing every year and brought to the College when exhibitions and fairs are conducted. Workshops and seminars are also organised



to provide training to the teachers of the school so that they can support the students to achieve the holistic development envisaged by the College.

5. Evidence of Success

The enthusiastic response of the students to the activities and programmes organised is evidence of the success of the project. A record of the academic performance of these students is maintained by the College and the students are performing better with each passing year.

6. Problems Encountered and Resources required

The implementation of a project of this kind involves a large amount of finance as well as human resources. A lot of administrative work is also involved. It is not easy for the institution to organize and administer the project effectively. Financial constraint is also a major hurdle in realizing this Project. St. Mary's School Chiyaram is approximately 10 kms away from the College and access to the School is difficult for the faculty and students. Thus there are a lot of problems in implementing the project. But the noble vision of providing holistic development to the young is enough of stimulus to overcome these hurdles.

7. Notes

It is mandatory to sign an MoU by the collaborating institutions and to specify the terms and conditions of agreement. It would be highly appreciable if parents and local community members are involved in the project.

DEPARTMENT	BEST PRACTICES
Computer Science/ Applications	Bridge Course, Certificate Courses: MS Office and SAMVAD, Computer Training for different sections of society
Botany	Celebration of nature relevant days, Organizing national seminar and invited talks, Establishment and maintenance of Herbal, Botanical, Orchid and RET garden, Seedling production and distribution of vegetables and medicinal plants, Visit to research institutions
Mathematics	NET Coaching, House visits to students' homes by Staff, Certificate course in Geomath, Path Finders
Biotechnology	Blood Donation Camp, Water analysis, Manuscript magazine
Chemistry	National Science Day Celebration, Soap making, Paper bag making, Student notice boards
History	Exhibitions, Pain and Palliative Care ,Site Visits



Economics	<i>Vatsalyam</i> , Socio Economic Surveys, Exhibitions, Exhibition cum sale of handicrafts, SAVE, Alumnae Lecture Series, Certificate course in Accountancy –first Step to Accounting, Skill Enhancement Course- Handicraft Making
English	Manuscript Magazine competition, Honing communicative Skills in English, Cookery Competition
Microbiology	Certificate course in Mushroom cultivation, Journal club



Evaluative Report
Of
Departments



Evaluative Report of the Department of History

1	Name of the Department	History		
2	Year of Establishment	1979		
3	Names of Programs / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	<ul style="list-style-type: none">• B.A. History• M.A. History		
4	Names of Interdisciplinary courses and the departments/units involved	Name	Depts. involved	
		Open Course : Historical Tourism	All Departments	
		Complementary Course	Economics, Sociology	
5	Annual/ semester/choice based credit system (programme wise)	B.A. History and M.A. History follow CCSS		
6	Participation of the department in the courses offered by other departments	Open course of other departments, UGC Add on Courses, Skill Enhancement Courses.		
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil		
8	Details of courses/programs discontinued (if any) with reasons	Nil		
9	Number of Teaching posts	Sanctioned		Filled
		Regular	8	6
		Guest Faculty (regular/self-financed)	-	2



10 Faculty Profile						
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Jiji Francis E	M.A NET, B.Ed, SET	Assistant Professor	Contemporary India	5	Nil
	Mimi K.M	M.A, J.R.F, B.Ed	Assistant Professor	Early India	2	Nil
	Shiny V.K	M.A, NET SET, M.Ed	Assistant Professor	Historiography	9	Nil
	Swapna K P	M.A, NET B.Ed	Assistant Professor	Methodology	4	Nil
	Vandhana A B	M.A, NET	Assistant Professor	Research Methodology	-	Nil
	Sreedevi K C	M.A, M.Phil NET	Assistant Professor	Medieval Art	-	Nil
	Siji K J	M.A, B.Ed	Guest faculty	Archaeology	4	Nil
	Sobiya Raphael	M.A, M.Phil	Guest faculty	Cultural History	2	Nil
11	List of Senior Visiting Faculty		<ul style="list-style-type: none"> Smt.Catherine Gemma Smt. Vilasini Thathamath Smt.Vasantha Nair 		Retired Professor, Dept. of History, St. Mary's College, Thrissur.	
12	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty					
	Year		Percentages of classes			
			UG		PG	
	2010-11		37.5		Nil	
	2011-12		50		Nil	
	2012-13		25		Nil	
	2013-14		25		Nil	
	2014-15		25		Nil	
13	Student -Teacher Ratio (programme wise):		UG	B.A History	60:1	
			PG	M.A History	10:1	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled:					Nil



15	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG					
	Name	Qualification				
	Jiji Francis E	M.A, NET, B.Ed, SET				
	Mimi K.M	M.A, JRF, B.Ed				
	Shiny V.K	M.A, NET, SET, M.Ed				
	Swapna K.P	M.A, NET, B.Ed				
	Vandhana A.B	M.A, NET				
	Sreedevi K.C	M.A, M.Phil, NET				
	Siji K.J	M.A, B.Ed				
	Sobiya Raphael	M.A, M.Phil				
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	Name of the PI	Details of the grant			
			Funding agency	Grant Sanctioned		
	1 (UGC Minor projects)	Celine P.C	UGC (completed)	50000		
17	Departmental projects funded by DSTFIST; UGC, DBT, ICSSR, etc. and total grants received:					Nil
18	Research Centre /facility recognized by the University					Nil
19	Publication details					
	Title	Journal	Vol	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR
Celine P C						
	Transition Of Roman Catholic Syrian Christian Women In Kerala And Gender Issues	Proceedings of International Interdisciplinary Conference	-	2012	International	-



Deepa K						
	Status of women in Vedic period	Proceedings Of National Seminar On Women Rights Issues: Socio-Historical Perspectives	-	2013	National	-
Swapna K P						
	Kottapuram Market A historical Study	Proceedings Of Indian History Congress	-	2013	National	-
Jiji Francis E						
	Inheritance rights of Syrian Christian women	Proceedings Of National Seminar On Women Rights Issues:Socio Historical Perspectives	-	2013	National	-
Shiny V K						
	Inheritance Rights of Syrian Christian Women	Proceedings Of National Seminar On Women Rights Issues : Socio Historical Perspectives	-	2013	National	-
Sobiya Raphael						
	Ritual Transformation In Ayyappan Thiyyattu	Proceedings Of South Indian History Congress	-	2013	National	-



	International Data Base		Nil
	Chapters in Books		Nil
	Books Edited		Nil
	Books Authored		Nil
	Popular Articles		Nil
	Resource Persons Or Sessions Chaired		Nil
Papers in Seminars/Workshops/Conferences			
No	Title of the paper	National/ International/ Regional	Year
Celine P C			
1	Inheritance Rights of Syrian Christian Women in Kerala, Challenges and Reality	National	2013
Deepa K			
1	Rebellion the other side, Emotions Reality	National	2013
2	Position of women in Rigveda	National	2013
Jiji Francis E			
1	Child Trafficking-A clear cut Violation of Child Right	National	2014
2	Inheritance Rights of Syrian Christian Women in Kerala, Challenges and Reality	National	2013
3	Aruna Asaf Ali - A Compassionate Social Revolutionary	National	2013
Swapna K P			
1	Child rights issues among the fishing Community	National	2014
2	Life –Sketch of Akkamma Cheriyan	National	2013
3	Vishakanyaka – A Historical Perspective	National	2013
4	Kottapuram Market - A Historical Study	National	2012
Shiny V K			
1	Issues related to Educational rights of differently abled children in India	National	2014
2	Inheritance Rights of Syrian Christian Women in Kerala, Challenges and Reality	National	2013
3	Annie Thayyil : A progressive revolutionary –A study based on her auto-biography : edagazhiyile kurisu	National	2013
Mimi K M			
1	Child rights Issues and Gender Disparity in India	National	2014
2	Gauri Amma :A Symbol of relentless struggle in Kerala Politics	National	2013



Sobiya Raphael					
1	Social & Political Dimensions of Child rights issues			National	2014
2	Ritual transformation in Ayyappan Thiyyat			National	2013
3	Indian Women :Past and present status as well as future prospects			National	2013
4	A Contradictory View of Indira Gandhi's Criticism			National	2013
Siji K J					
	Life Sketch of Sarojini Naidu			National	2013
20	Areas of consultancy and income generated				Nil
21	Faculty as members in				
	National committees				
	Name	Position	Committee	Year	
	Celine P C	Member	Indian History Congress	2006 onwards	
	Swapna K P	Member	Indian History Congress	2012	
	Jiji Francis E	Member	Indian History Congress	2014	
	Mimi.K.M	Member	Indian History Congress	2014	
	Shiny V.K	Member	Indian History Congress	2014	
	Sobiya Raphael	Member	South Indian History Congress	2012	
	International Committees				Nil
	Editorial Boards....				Nil
22	Student Projects				
	Percentage of students who have done in-house projects including inter departmental / programme	Year		UG	PG
		2010-11		100	100
		2011-12			
		2012-13			
	2013-14				
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies	2010-11 to 14-15		Nil	Nil
23	Awards/ Recognitions received by faculty and students				
	Name	Faculty/ Student	Awards/ Recognition	Awarding Body	Year
	Jibi Jose.P	Student	1 st Rank (M.A)	Calicut University	2011
	Sreevidhya V R	Student	3 rd Rank (B.A)	Calicut University	2011
	Chaithanya Unnikrishnan	Student	University Topper (B.A)	Calicut University	2012



24 List of eminent academicians and scientists/ visitors to the department						
Name		Designation		Context		Year
Dr.K.M Sheeba		Reader, Sree Sankaracharya University, Kalady		History Association Inauguration		2010
Prof.E Rajan		Retired Principal, Sree Kerala Varma College, Thrissur		History Association Inauguration		2012
Prof.T.R Venugopalan		Retired Principal, Government Sanskrit College, Pattambi		History Association Inauguration		2012
Dr.Swarna Kumari		Principal of JDT Islamic College, Kozhikode		Interactive Programme		2012
Dr.Kumaran		Faculty, Archeological Survey of India, Thrissur		History Association Inauguration		2013
Smt. M.S Jaya IAS		District Collector, Thrissur		Exhibition Inauguration		2013
Dr.Sebastian Joseph		Associate Professor, U C College, Aluva		History Association Inauguration		2014
25 Seminars/ Conferences/Workshops organized & the source of funding						
		Program		Source of funding		Fund received
a)National		National Seminar Thrissur a Kaleidoscopic View		Management		22000
b)International						Nil
26 Student profile programme/course wise						
Name of the Course/ Programme		Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2010-2011	UG	526	61	-	61	92
2011-2012		251	61	-	61	94.2
2012-2013		719	60	-	60	89.09
2013-2014		Online	60	-	60	81.04
2014-2015		Online	60	-	60	NA



	2010-2011	PG	54	20	-	20	70.05
	2011-2012		Online	18	-	18	93.07
	2012-2013		73	20	-	20	77.07
	2013-2014		71	20	-	20	100
	2014-2015		82	20	-	20	NA
27	Diversity of Students						
	Name of the Course		% of students from the same State	% of students from other States	% of students from abroad		
	2010-2011	UG	99.6	0.4	Nil		
	2011-2012		99.1	0.9	Nil		
	2012-2013		99.6	0.4	Nil		
	2013-2014		100	Nil	Nil		
	2014-2015		100	Nil	Nil		
	2010-2011	PG	100	Nil	Nil		
	2011-2012		100	Nil	Nil		
	2012-2013		100	Nil	Nil		
	2013-2014		100	Nil	Nil		
	2014-2015		100	Nil	Nil		
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.						
	Year		Exam passed		No. of students		
	2010-2011		NET		1		
	2011-2012		SET		1		
	2012-2013		NET		5		
	2013-2014		SET		2		
	2014-2015		NET		1		
29	Student Progression		Against % enrolled				
			2009-10	2010-11	2011-12	2012-13	2013-14
	UG to PG		7	21	24	22	27
	PG to M.Phil.		-	-	-	-	-
	PGtoPh.D.		-	-	-	-	-
	Ph.D.toPost-Doctoral		NA	NA	NA	NA	NA
	Employed						
	• Campus selection		-	-	-	-	11
	• Other than campus recruitment		-	6	11	8	-



	Entrepreneurship/ Self-employment	20	16	27	8	20
30	Details of infrastructural facilities					
	Library	Books in the Department and College Library.				
	Internet facilities for Staff & Students	Free Internet and INFLIBNET facility available for staff and students.				
	Class rooms with ICT facility	1 Smart Classroom.				
	Museum	Heritage Museum.				
31	Number of students receiving financial assistance from college, university, government or other agencies					
	Year	Funding Agencies			No: of students	
	2010-2011	Government Scholarship			81	
		Department			10	
	2011-2012	Government Scholarship and Stipends			101	
		Department			9	
	2012-2013	Government Scholarship and Stipends			62	
		Department			12	
	2013-2014	Government Scholarship and Stipends			33	
		Department			17	
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts					
	Year	Resource person			Program	
	2010-2011	Dr.K.M Sheeba			History Association Inauguration	
	2011-2012	Prof.E.Rajan			History Association Inauguration	
	2012-2013	Prof .T .R. Venugopalan			History Association Inauguration	
	2012-2013	Dr.Swarna Kumari			Interactive Programme	
	2013-2014	Dr.Kumaran			History Association Inauguration	
	2013-2014	Smt. M. S Jaya IAS			Exhibition Inauguration	
	2014-2015	Dr.Sebastian Joseph			History Association Inauguration	
33	Teaching methods adopted to improve student learning					
	<ul style="list-style-type: none"> • Group Discussion • Panel Discussion • Power Point Discussion • Role Play • Debates 					
34	Participation in Institutional Social Responsibility (ISR) and Extension activities					
	<ul style="list-style-type: none"> • Pain And Palliative Care Activities • A Stamp Exhibition at L.F college Guruvayoor • Participation in St. Mary's Outreach Programme 					



35	SWOC analysis of the department and Future plans
Strength	
<ul style="list-style-type: none">• Variety academic & non-academic programmes – Exhibitions , Interaction programme, site visits• Pain and palliative care activities• Heritage Museum• High demand for course - no vacant seats• Active and supportive alumnae – Contributed antiques to the museum• Well-connected and supported by retired faculty• Good rapport with students• Excellent academic result	
Weakness	
<ul style="list-style-type: none">• Inadequate smart classrooms• No Ph.D holders• Lack of fund for museum equipment and maintenance	
Opportunity	
<ul style="list-style-type: none">• Community enrichment programmes to enable students to be socially Committed citizens• Interclass debate, elocution competition to provide an opportunity for students to grow intellectually• Imparting value education provides an opportunity for the students to be Morally Committed• Community involved programmes and site visits help the students to know about our heritage	
Challenges	
<ul style="list-style-type: none">• Maintaining Heritage Museum• Limited employment opportunities for History Graduates	
Future plans	
<ul style="list-style-type: none">• Conduct national inter-active programme, seminars• Promote the research activity• Coaching classes for various competitive exams• Undertake UGC project• Implement e- based teaching• Organise an International Seminar	



Evaluative Report of the Department of Economics

1	Name of the Department	Economics		
2	Year of Establishment	1946		
3	Names of Programmes / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	<ul style="list-style-type: none"> • B.A. Economics • M.A. Applied Economics (Self-Financing) 		
4	Names of Interdisciplinary Courses and the Departments/units involved	Name	Depts. involved	
		Open Course : Banking	All Departments	
		Complementary Course	History, Sociology	
5	Annual/ Semester/Choice Based Credit System (programme wise)	B.A Economics and M.A Applied Economics follow CCSS		
6	Participation of the Department in the courses offered by other departments	Open course of other Departments, UGC Add on Courses, Skill Enhancement Courses.		
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil		
8	Details of courses/programs discontinued (if any) with reasons	Nil		
9	Number of Teaching posts	Sanctioned		Filled
		Regular	3	3
		Guest Faculty (self-financed)	2+1	2+1



10	Faculty Profile					
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Sr. Dr. Jacintha C C	M.A ,Ph.D, Diploma in Religious Sciences	Principal, Associate Professor	Macro Economics	21	Nil
	Dr Julie P Lazar	M.A, NET, B.Ed, Ph.D	Assistant Professor	Transport Economics	11.5	Nil
	Liji Maliakkal	M.A, NET, SET, B.Ed	Assistant Professor	Gender and Labour Economics	5	Nil
	Jomol Jos	M.A, NET	Guest Faculty	Agricultural Economics	4.5	Nil
	Reshma K.R	M.A, B.Ed, NET	Guest Faculty	Health Economics	1	Nil
	Nivya V Neelankavil	M.A, NET	Guest Faculty (Part Time)	Macro Economics	2	Nil
11	List of Senior Visiting Faculty		<ul style="list-style-type: none"> Ms. Molly Joseph 		Retd. Professor, Dept. of Economics, St. Mary's College, Thrissur.	
12	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty					
	Year		Percentages of classes			
			UG		PG	
	2010-11		16		NA	
	2011-12		22		NA	
	2012-13		-		100	
	2013-14		15		100	
	2014-15		15		100	
13	Student -Teacher Ratio (programme wise):		UG	B.A. Economics	60:1	
			PG	M.A. Applied Economics	10:1	
14	Number of Academic Support Staff (technical) and Administrative Staff; sanctioned and filled:					Nil



15	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG					
	Name	Qualification				
	Sr. Dr. Jacintha C C	M.A, Ph.D, Diploma in Religious Sciences				
	Dr. Julie P Lazar	M.A, NET, B.Ed, Ph.D				
	Liji Maliakkal	M.A, NET, SET, B.Ed				
	Jomol Jos	M.A, NET				
	Reshma K R	M.A, B.Ed, NET				
	Nivya V Neelankavil	M.A, NET				
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	Name of the PI	Details of the grant			
			Funding agency	Grant Sanctioned		
	1 (UGC Minor projects)	Dr. Julie P Lazar	UGC (ongoing)	Rs115000		
17	Departmental projects funded by DSTFIST; UGC, DBT, ICSSR, etc. and total grants received:	Nil				
18	Research Centre /facility recognized by the University	Nil				
19	Publication details					
	Title	Journal	Vol	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR
	Dr. Julie P Lazar					
	Migrant Labour in Kerala - A Study of Thrissur City	Southern Economist	Vol 52 No 7	2013	National	-
	Women Construction Workers in Kerala – A Study of Thrissur City in Kerala State	Shanlax International Journal of Economics	Vol 2 No 3	2014	International	-



	International Data Base	Nil	
	Chapters in Books	Nil	
	Books Edited	Nil	
	Books Authored	Nil	
	Popular Articles	Nil	
	Resource Persons Or Sessions Chaired		
	Sr. Dr. Jacintha C C		
	Event	Venue	Year
	Talk on Total Quality Management in Academics	CMC Provincialate, Thrissur	2010
	Talk on Total Quality Management	Vimala College, Thrissur	2010
	Dr. Julie P Lazar		
	Chaired a Session on Financial Inclusion in the National Seminar	Little Flower College, Guruvayoor	2014
	Talk on Women Empowerment	Little Flower College, NSS Seven Day Camp at Perakam.	2014
	Papers in Seminars/Workshops/Conferences		
No	Title of the paper	National/ International/ Regional	Year
	Dr Julie P Lazar		
1	An Analysis of Social Security Measures with respect to Aging Population	National	2012
2	Population and Environment	National	2012
3	Changing Faces of Onam Celebrations	National	2013
4	Environment and Development : A Case of India	International	2013
5	An Overview of India's Airline Industry Since Liberalisation	National	2014
6	Socio-Economic Status of In-Migrant Labourers in Construction Sector- A Study in Thrissur District in Kerala	National	2014
	Liji Maliakkal		
1	A Gender Perspective on Higher Education and Economic Change	National	2012
2	Role of Microfinance in Empowering Women in India	National	2012
3	Gender Relations in Education and their Economic participation in Colonial and Post-Colonial Kerala- A Comparative Study	National	2013
4	Nature and Extent of Women Participation in Government- Major Challenges and Avenues	National	2014
5	Obesity and Adolescents-Need for Physical Activity	National	2014



6	Women Workers in Informal Sector With special reference to Textile shops in Kerala	National	2014	
Jomol Jos				
1	An Overview of India's Airline Industry Since Liberalisation	National	2014	
Reshma K R				
1	Socio-Economic Status of In-Migrant Labourers in Construction Sector- A Study in Thrissur District in Kerala	National	2014	
Nivya V Neelankavil				
1	Small Holder Farming and Food Security Issues in India	National	2014	
20	Areas of consultancy and income generated		Nil	
21	Faculty as members in			
National/ Other Committees				
	Name	Position	Committee	Year
	Sr. Dr. Jacintha C C	Provincial Councillor	Higher Education, CMC Nirmala Province, Thrissur	2006-2012
		Management Nominee	Faculty Appointment in St. Mary's and Vimala Colleges, Thrissur	2012,2013 2014
		Committee Member	Indian Institute of Christian Studies, Kozhikode.	2013 onwards
		Member	Kerala Private College Management Association, Kozhikode.	2013 onwards
		Assistant Spiritual Director	Legion of Mary, Thrissur Comitium, Archdiocesesan Pastoral Centre, Thrissur	2013 onwards
		Secretary	Association of Higher Education Council of Catholic Colleges, Calicut University Zone	2013 onwards
	Dr. Julie P Lazar	Presiding Officer	Kerala Panchayat Raj Elections	2011
International Committees				Nil
Editorial Boards....				Nil
22	Student Projects			
	Percentage of students who have done in-house projects including inter departmental / programme	Year	UG	PG
		2011-12	100	NA
		2012-13		NA
	2013-14	100		
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies			Nil



23 Awards/ Recognitions received by faculty and students					
	Name	Faculty/ Student	Awards/ Recognition	Awarding Body	Year
	Marina P K	Student	III Prize in Paper Presentation Competition	UGC Sponsored National Seminar at St. Aloysius College, Thrissur	2014
	Anjana Menon	Student	III Prize in Essay Writing Competition	National Level Essay Writing Competition at Little Flower College, Guruvayoor	2014
	Isabella Davis	Student	'A' Grade in Essay Writing Competition	Prof Joseph Mundasserry Memorial Essay Writing Competition	2014
	Roslin Poullose Anju V A	Student	Second Place in Quiz Competition	Little Flower College, Guruvayoor	2013
	Aiswarya K	Student	Captain of Calicut University Hockey Team	Calicut University	2013
	Riji K S	Student	Second Place in Poetry Writing	Kerala Kalamandalam	2011
	Riji K S	Student	Second Place in Literary Quiz	Kerala Sahitya Academi, Thrissur	2011
	Roslin Poullose	Student	Second Place in Quiz Competition	Little Flower College, Guruvayoor	2011
	Vidhu T S	Student	Captain of Calicut University Hockey Team	Calicut University	2011
	Sreeja K	Student	III Rank B.A Examination	Calicut University	2011
	Arya C	Student	400 M -I Prize 4*400 M-I Prize 200 M III Prize	Junior National Athletic Meet	2011
	Arya C	Student	400 M -II Prize 4*400 M-I Prize	National Games	2011
	Anjitha T A	Student	First place in All Kerala Quiz Competition	Lord's Academy, Irinjalakuda	2010
	Anjitha T A	Student	Third Place in Quiz Competition	Mercy College, Palakkad	2010
	Anjitha T A	Student	First Place in Tourism Quiz Competition	District Tourism Promotion Council, Thrissur	2010



24 List of Eminent Academicians and Scientists/ Visitors to the Department						
Name		Designation		Context		Year
Dr. Thushara George		Assistant Professor, Department of Economics, St. Theresa's College (Autonomous), Ernakulam		Inauguration of Economics Association and Planning Forum, Alumnae Lecture Series		2014
Prof. T S Davis		Associate Professor, HOD, Department of Economics, St. Thomas College, Thrissur		Inauguration of Economics Association and Planning Forum		2013
Dr. Susmitha Raj		Tutor, Kings College, Oxford		Inauguration of Economics Association and Planning Forum		2012
Dr. Mani K P		Professor, Department of Economics, Calicut University		Course Inauguration MA Applied Economics		2012
Dr. K Maithily		Retired HOD of Economics, Vimala College, Thrissur		Inauguration of Economics Association and planning Forum		2011
Sri. Georgy Oomen		Principal, LIC Training Cell, Thrissur		Seminar on Career Opportunities		2011
Smt. Rachael		Manager, PMR, LIC, Thrissur		Seminar on Career Opportunities		2011
Smt. Jayalakshmi		Manager, PMR,LIC,Thrissur		Seminar on Career Opportunities		2011
Dr. E.M Thomas		Reader, Christ College, Irinjalakuda		Inauguration of Economics Association and Planning Forum and Seminar		2010
25 Seminars/ Conferences/Workshops organized & the source of funding						
		Program		Source of funding		Fund received
a)National		National Seminar - Thrissur a Kaleidoscopic View		Management		22000
b)International						Nil
26 Student profile programme/course wise						
Name of the Course/ Programme		Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2010-2011	UG	639	60	-	60	98.3
2011-2012		866	60	-	60	94.2
2012-2013		806	60	-	60	88.6
2013-2014		Online	60	-	60	77.8
2014-2015		Online	60	-	60	NA



	2012-2013	PG	15	15	-	15	NA
	2013-2014		26	7	-	7	90.9
	2014-2015		20	4	-	4	-
27	Diversity of Students						
	Name of the Course		% of students from the same state	% of students from other States	% of students from abroad		
	2010-2015	UG	100	Nil	Nil		
	2012-2015	PG	100	Nil	Nil		
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.						
	Year		Exam passed	No. of students			
	2011-2012		NET	3			
	2012-2013		NET	3			
29	Student progression		Against % enrolled				
			2009-10	2010-11	2011-12	2012-13	2013-14
	U G to P G		39	48	76	46	67
	Employed						
	• Campus selection		-	-	-	-	-
	• Other than campus recruitment		5	3	2	-	5
	Entrepreneurship/ Self-employment		10	2	Nil	4	Nil
30	Details of infrastructural facilities						
	Library	Books in the Department and College Library.					
	Internet facilities for Staff & Students	Free Internet and INFLIBNET facility available for staff and students.					
	Class rooms with ICT facility	1 Smart Classroom.					
	Laboratories	Common Lab Facility					
31	Number of students receiving financial assistance from college, university, government or other agencies						
	Year	Funding Agencies					No: of students
	2010-2011	Central Sector Scholarship					2
		Post Matric Scholarship					5
		Suvarna Jubilee Merit Scholarship					5
		OBC Concession					13
		KPCR Concession					60
		UGC Stipend					26
		SC Stipend					14



		ST Stipend	1	
		Department Freeships	6	
		Student Aid Fund	4	
	2011-2012		Central Sector Scholarship	4
			Post Matric Scholarship	6
			Suvarna Jubilee Merit Scholarship	5
			OBC Concession	19
			KPCR Concession	52
			SC Stipend	13
			ST Stipend	2
			Free food	1
			Department Freeships	4
			Student Aid Fund	6
			2012-2013	
	Post Matric Scholarship	10		
	Suvarna Jubilee Merit Scholarship	5		
	OBC Concession	20		
	KPCR Concession	56		
	SC Stipend	12		
	ST Stipend	1		
	Department Freeships	4		
	Thrissur Educational and Charitable Hub Scholarship	2		
	Social Service	4		
	Student Aid Fund	7		
	2013-2014		Central Sector Scholarship	9
			Post Matric Scholarship	13
			Suvarna Jubilee Merit Scholarship	3
			SC Stipend	11
			ST Stipend	2
			Department Freeships	3
Student Aid Fund	4			

32 Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Year	Resource person	Program
2014	Dr. Thushara George, Assistant Professor, Department of Economics, St Theresa's College, (Autonomous), Ernakulam	Alumnae Lecture -Talk on Financial Markets
	Dr. Thushara George, Assistant Professor, Department of Economics, St Theresa's College (Autonomous), Ernakulam	Inauguration of Economics Association and Planning Forum and Seminar on Epilogue-The Story of Macro Economics
	Ms. Dhanya Shankar, Assistant Professor, Dept of Economics, Vimala College, Thrissur	Alumnae Lecture -Talk on Career Opportunities in Economics



	2013	Prof. T S Davis, Prof, HOD, Dept of Economics, St. Thomas College, Thrissur	Inauguration of Economics Association and Planning Forum and Talk on World of Economics
	2012	Dr. Susmitha Raj, Tutor, Kings College, Oxford	Inauguration of Economics Association and Planning Forum and Seminar- Euro Crisis and Market failures
		Dr. Mani K P, Professor, HOD, Department of Economics, Calicut University	Course Inauguration MA Economics and Orientation
	2011	Dr. K Maithily , Retired Associate Professor, HOD of Economics, Vimala College, Thrissur	Inauguration of Economics Association and Planning Forum and Seminar India – A Global Superpower,
		Shri. Georgy Oommen, Principal, LIC Training Cell, Thrissur	Seminar on Career Opportunities in Insurance Sector
		Smt. Racheal, Manager PMR, LIC, Thrissur	Seminar on Career Opportunities in Insurance Sector.
		Smt. Jayalakshmi, Manager, PMR, LIC, Thrissur	Seminar on Career Opportunities in Insurance Sector
	2010	Dr. E M Thomas, Reader, Christ College Irinjalakuda	Inauguration of Economics Association and Planning Forum and Seminar on “Decentralised Planning in Kerala”
33	Teaching methods adopted to improve student learning		
	<ul style="list-style-type: none"> • ICT enabled teaching/learning • Peer teaching • Remedial Teaching • Group Discussions • Student Seminars • Live Discussions 		
34	Participation in Institutional Social Responsibility (ISR) and Extension activities		
	<ul style="list-style-type: none"> • <i>Vatsalyam</i>- Serve Poor Serve God • Participation in St Mary’s Outreach and Sponsorship Programmes • Department Freeships to support and uplift the deserving • Participation in <i>L’Aria Fresca</i> Project - Clean Campus Clean City • Talks and Programmes on Mariology, Spirituality, Motivation and Women Empowerment 		



35	SWOC analysis of the Department and Future plans
Strength	
<ul style="list-style-type: none">• Disciplined students with positive attitude• Competent and Committed staff• Cooperative and supportive Alumnae• Well-knit coordination between faculty and parents• Mentoring• Interactive teaching learning• Active participation in Social outreach programme• Earn while you Learn Programmes• Short Term Course in Handicrafts• Certificate Course -First Step to Accounting	
Weakness	
<ul style="list-style-type: none">• Self - Financing M.A Applied Economics	
Opportunity	
<ul style="list-style-type: none">• Facilitate more employment opportunities and career oriented programmes• Inculcate research attitude• Enhance Consultancy• More Collaboration and Linkage	
Challenges	
<ul style="list-style-type: none">• Early marriage of students• Poor socio- economic background of students• Poor English language proficiency in students	
Future plans	
<ul style="list-style-type: none">• Organise more seminars and talks• More Programmes to inculcate research attitude• Policies for Community Development• More Student Capability Enhancement Programmes• Practical based Teaching Learning• Programmes with Collaboration and Linkage	



Evaluative Report of the Department of Mathematics

1	Name of the Department	Mathematics		
2	Year of Establishment	1946		
3	Names of Programmes / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	<ul style="list-style-type: none"> • B.Sc. Mathematics • M.Sc. Mathematics • Ph.D 		
4	Names of Interdisciplinary courses and the departments/units involved	Name	Depts. involved	
		Open Course : Mathematics for natural sciences	All Departments	
		Complementary course	Chemistry	
5	Annual/ semester/choice based credit system (programme wise)	B.Sc. and M.Sc. Mathematics follow CCSS		
6	Participation of the department in the courses offered by other departments	Open course, UGC Add On Course, Skill Enhancement course of other departments.		
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil		
8	Details of courses/Programmes discontinued (if any) with reasons	Nil		
9	Number of Teaching posts	Sanctioned	Filled	
		Regular	7	6
		Guest Faculty (regular/self-financed)	1+1	1+1



10	Faculty Profile					
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Sr. Dr. Magie Jose	M.Sc, M.Phil Ph.D	Associate Professor	Fuzzy Normed Linear Space	17	2
	Dolly Augustine	M.Sc, M.Phil, NET, PGDCA	Associate Professor	Banach Algebra	18	Nil
	Dr. Parvathy K. S.	M.Sc, Ph.D, NET	Associate Professor	Graph Theory	18	3
	Reeja Kuriakose	M.Sc, NET	Assistant Professor	Graph Theory	5	Nil
	Sowmya K (on maternity leave)	M.Sc, M.Phil B.Ed, NET	Assistant Professor	Clifford Algebra	2	Nil
	Diana Mary George (on maternity leave)	M.Sc, NET	Assistant Professor	Semi Groups	2	Nil
	Malin Joseph	M.Sc	Guest faculty	Fuzzy Transportation problem	1	Nil
	Sruthy Raj (On Leave vacancy)	M.Sc, NET	Guest faculty	Fuzzy Graphs	-	Nil
	Shahana A R (On Leave vacancy)	M. Sc, B.Ed	Guest faculty	Ring Theory	-	Nil
11	List of Senior Visiting Faculty		<ul style="list-style-type: none"> • Prof. R Sivaramakrishnan, Former Head, Department of Mathematics, University of Calicut • Dr. P T Ramachandran, Professor, Department of Mathematics, University of Calicut • Dr. A Vijayakumar, Professor, Department of Mathematics, CUSAT • Prof. T Thrivikraman, Former Head, Department of Mathematics, CUSAT • Prof. Sunny Kuriakose, DEAN, FISAT, Angamaly 			



12	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty			
	Year	Percentages of classes		
		UG	PG	
	2010-11	40	Nil	
	2011-12	41	20	
	2012-13	Nil	Nil	
	2013-14	23	Nil	
	2014-15	43	19	
13	Student -Teacher Ratio (programme wise):	UG	B.Sc Mathematics	48:1
		PG	M.Sc Mathematics	10:1
14	Number of academic support staff (technical) and administrative staff;sanctioned and filled:			Nil
15	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG			
	Name		Qualification	
	Sr. Dr. Magie Jose		M.Sc, M.Phil, Ph.D	
	Dolly Augustine		M.Sc, M.Phil, NET, PGDCA	
	Dr. Parvathy K.S.		M.Sc, Ph.D., NET	
	Reeja Kuriakose		M.Sc, NET	
	Sowmya K (on maternity leave)		M.Sc, M.Phil, B.Ed, NET	
	Diana Mary George (on maternity leave)		M.Sc, NET	
	Malin Joseph		M.Sc	
	Sruthy Raj (On Leave vacancy)		M.Sc, NET	
	Shahana A R (On Leave vacancy)		M.Sc, B.Ed	
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	Name of the PI	Details of the grant	
			Funding agency	Grant Sanctioned
	5 (UGC Minor projects)	Reeja Kuriakose	UGC (ongoing)	160000
		Dr.Parvathy K. S.	UGC (ongoing)	180000
		Dolly Augustine	UGC (ongoing)	180000
		Sowmya K.	UGC (ongoing)	180000
		Dr. Sr. Magie Jose	UGC (completed)	40000



17	Departmental projects funded by DSTFIST; UGC, DBT, ICSSR, etc. and total grants received:	2010-2011, PG Grant- Rs. 640000 from UGC				
18	Research Centre /facility recognized by the University	Yes				
19	Publication details					
	Title	Journal	Vol	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR
Dr. Parvathy K. S.						
	G-Function on Convexity Spaces	Bulletin of Kerala Mathematical Association	Vol.7, No.2	2010	International	-
	Klein Colouring of Graphs	Bulletin of Kerala Mathematical Association	Vol.8, No.2	2011	International	-
	Characterization of point Determining And point Distinguishing Graphs	Graph Theory Notes of New York	LX	2011	International	-
	Packing by Edge disjoint trees	Global journal of Mathematical Sciences	Vol 5(4)	2013	International	-
Sr. Dr. Magie Jose						
	Fuzzy bounded linear maps and Quotient spaces	Bulletin of Kerala Mathematical Association	Vol.6, No.2	2010	International	-
	Fuzzy Inner product spaces	Proceedings of ICMS 2010		2010	National	-
	International Data Base					Nil
	Chapters in Books					Nil



	Books Edited		Nil
	Books Authored		Nil
	Popular Articles		Nil
Resource Persons Or Sessions Chaired			
Dr. Parvathy K S			
	Event	Venue	Year
	National seminar on Discrete and fuzzy Mathematics and their applications	MG College, Iritty	2010
	National Conference on Recent Trends in Advanced Mathematics NCRTAM-2012	Vidya Academy of Science and Technology, Thalakkottakara	2012
	Lecture Series on Basic concepts in Topology	KKTM Govt. College Pullut, Kodungallur	2013
	National seminar on Fuzzy Mathematics and Graph Theory	St. Aloysius College, Elthuruth.	2013
	Association Inauguration and Talk on Relevance of Mathematics	Christ College, Iringalakuda.	2013
	Refresher Course	Calicut University.	2013
	National seminar on Mathematics with applications to Statistics.	Vimala College, Thrissur	2014
	One day seminar on Introduction to Morphology and Analysis	S N College, Nattika	2014
Papers in Seminars/Workshops/Conferences			
No	Title of the paper	National/ International/ Regional	Year
Dr. Sr. Magie Jose			
1	Higher Education-challenges and reforms	International	2011
2	Aryabhata & his contributions	International	2014
Diana Mary George			
1	Rees Matrix Representation for a rectangular band	International	2011
2	Rees Matrix Semi group over a Rectangular Band	International	2011
Dolly Augustine			
1	Mathematics in nature-Fibonacci sequence	National	2014
20	Areas of consultancy and income generated	Tax Consultancy (Dr. Parvathy K. S.)	



21	Faculty as members in			
	National/Other Committees			
	Name	Position	Committee	Year
	Sr. Dr. Magie Jose	Life Member	Kerala Mathematical Association	Life Member
	Dr. Parvathy K. S	Life Member	Kerala Mathematical Association	Life Member
	Smt. Dolly Augustine	Life Member	Kerala Mathematical Association	Life Member
	Dr. Parvathy K S	Member and External Examiner	Passing board (M.Sc Degree 3 rd Semester), CUSAT	2010
	Sr. Dr. Magie Jose	Subject Expert	Interview for substitute lecture in L F College, Guruvayoor	2010
	Dr. Parvathy K S	Project Evaluator	University of Kannur	2012
	Dr. Parvathy K S	Question Paper Setter	Department of Mathematics CUSAT	2013
	Dr. Parvathy K S	External Examiner	Valuation Camp M.Sc 3 rd Semester, CUSAT	2013
	Dr. Sr. Magie Jose	Member	Research Admission Committee, St. Thomas College, Thrissur	2013-2014 Onwards
	Dr. Parvathy K S	Question Paper Setter	Kerala Public Service Commission	2014
	Smt. Sowmya K	Member	Judging panel of Inter Departmental Paper Presentation Competition on the topic My Subject and Mathematics at Vimala College, Thrissur	2014
	International Committees			Nil
	Editorial Boards....			Nil
22	Student Projects			
	Percentage of students who have done in-house projects including inter departmental / programme	Year	UG	PG
		2010-11	-	-
		2011-12	100	100
		2012-13	100	100
		2013-14	100	100
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies			Nil



23 Awards/ Recognitions received by faculty and students					
	Name	Faculty/ Student	Awards/Recognition	Awarding Body	Year
	Soumya K.P & Glancy P.P	Student	Quiz Competition - Third Prize	IMS Thrissur	2011-2012
	Reshma K Bhaskaran	Student	23 rd National Mathematics Talent Search Exam National Level - First Rank	Ramanujan Mathematics Academy & Mathematics Library	2012-2013
	Reshma K Bhaskaran & Prajeetha K	Student	Intercollegiate Statistics Quiz Competition - Second Prize	Kerala Statistics Association	2012-2013
	Rincy Jose P. & Krishna P S	Student	Quiz Competition - Second Prize	IMS Thrissur	2013-2014
24 List of eminent academicians and scientists/ visitors to the department					
	Name	Designation	Context	Year	
	Dr. K T Arasu	Wright State University, U.S.A	Intercollegiate Seminar	2010	
	Dr. R Sivaramakrishnan	Former Head , Department of Mathematics ,University of Calicut	Intercollegiate Seminar & National Seminar	2010	
	Mr. Hareesh V M	Assistant Professor, Dept.of Mathematics, Sree Kerala Varma College, Thrissur	Association Inauguration and talk on Basic Concepts on Real Analysis	2010	
	Prof. Sunny Kuriakose	Dean, FISAT, Angamaly	National Seminar	2011	
	Prof. T. Thrivikraman	Former Head , Department of Mathematics , Cochin University	National Seminar	2011	
	Prof. N. Sridharan	Alagappa University Karaikudy, Tamilnadu	National Seminar	2011	
	Dr. R. Rajesh	Senior Research Associate, NEST, Technopark, Assistant Professor, Bharathiar University	National Seminar	2011	
	Prof. N. Chandrasekaran	Visiting Faculty , BIM , Trichy	National Seminar	2011	
	Dr. Vinodkumar P. B.	Dean, Rajagiri School of Engineering and Technology	National Seminar	2011	



Dr. J. Satheesh Kumar	Assistant Professor , Department of Computer Applications , School of Computer Science and Engineering, Bharathiar University , Coimbatore	National Seminar	2011
Dr. Gladston Raj	Associate Professor, Department of Computer Science, Marian College, Kuttikkanam	National Seminar	2011
Prof. C. D. Paul	Associate Professor, St. Thomas College, Thrissur	Association Inauguration	2011
Prof M I Saju	Assistant Professor, Department of Mathematics, St Thomas College, Thrissur	Talk	2011
Prof. Ramachandran P T	Professor, Department of Mathematics, University of Calicut	Talk	2012
Dr. A Vijayakumar	Professor, Department of Mathematics, CUSAT	Association Inauguration	2012
Dr. R. Sivaramakrishnan	Former Head Department of Mathematics Calicut University	Talk	2012
Mr. Pravas K	Assistant Professor, Govt. Polytechnic, Poorappuzha	Seminar	2012
Dr. Sheela C,	Vice Principal, FISAT	Association Inauguration	2013
Dr. Easa P S	Director, KFRI, Peechi	Talk	2014
Smt. Anjaly Kishore	Assistant Professor, Vimala College, Thrissur	Association Inauguration	2014
Dr. Sajith G	Assistant Professor S S College, Araecode	National Seminar	2014
Dr. B V Rajarama Bhat	Professor ISI, Bangalore	National Seminar	2014
Dr. Vinodkumar P B	Dean Rajagiri School of Engineering and Technology	National Seminar	2014
Dr. P.T. Ramachandran	Professor Department of Mathematics, Calicut University	National Seminar	2014
Prof. Sunny Kuriakose	Dean, FISAT, Angamaly	National Seminar	2014
Dr. Aparna Lakshmanan	Assistant Professor St. Xavier's College, Aluva	National Seminar	2014



	Prof. R. Sivaramakrishnan	Rtd. Professor, University of Calicut	National Seminar	2014			
	Dr. Sudheer K	Associate Professor Farook College, Kozhikode	Talk	2014			
25	Seminars/ Conferences/Workshops organized & the source of funding						
		Programme	Source of funding	Fund received			
	a)National	1. National Seminar on “ Classical Mathematics with Applications to Computer Science and Related Areas” 2. National Seminar on Recent Advances in Mathematics	UGC UGC	120000 112500			
	b)International			Nil			
26	Student profile programme/course wise						
	Name of the Course/ Programme	Applications Received	Selected	Enrolled *M *F	Pass percentage		
	2010-11	UG	806	44	-	44	95.24
	2011-12		871	44	-	44	95
	2012-13		912	48	-	48	71.42
	2013-14		Online	48	-	48	80.33
	2014-15		Online	48	-	48	-
	2010-11	PG	247	20	-	20	76.47
	2011-12		Online	18	-	18	100
	2012-13		156	20	-	20	100
	2013-14		144	20	-	20	89.47
	2014-15		161	20	-	20	-
27	Diversity of Students						
	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad			
	2010-11	UG	100	Nil	Nil		
	2011-12						
	2012-13						
	2013-14						
	2014-15						
	2010-11	PG	100	Nil	Nil		
	2011-12						
	2012-13						
	2013-14						
	2014-15						



28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.					
	Year	Exam passed			No. of students	
	2010-11	CSIR-UGC NET			2	
		Central /State services			3	
	2011-12	CSIR-UGC NET			1	
		Central /State services			5	
	2012-13	CSIR-UGC NET			1	
		GATE			1	
		Central /State services			2	
		TET			1	
		SET			2	
	2012-13	Central /State services			3	
		TET			1	
	2014-15	CSIR-UGC NET			1	
		Against % enrolled				
29	Student progression	2009-10	2010-11	2011-12	2012-13	2013-14
	UG to PG	74	64	63	57	33
	PG to M.Phil.	10	6	-	5	-
	PG to Ph.D.	-	-	-	-	10
	Ph.D to Post-Doctoral	-	-	-	-	-
	Employed					
	Campus Selection	-	2	6	5	-
	Other than Campus Recruitment	49	15	5	5	16
	Entrepreneurship/ Self-employment	40	41	32	24	-
30	Details of Infrastructural Facilities					
	Library	Books in the Department and College Library.				
	Internet facilities for Staff & Students	Free Internet and INFLIBNET facility available for staff and students.				
	Class rooms with ICT facility	1 Smart Classroom.				
	Laboratories/Museum	Research Center				



31	Number of students receiving financial assistance from college, university, government or other agencies		
	Year	Funding Agencies	No: of students
	2010-2011	SC/ST Stipend	6
		OEC	1
		SEBC	5
		FC	3
		OBC	1
		KPCR	14
	2011-2012	SC/ST	9
		OEC	1
		SEBC	2
		FC	3
		OBC	10
		KPCR	3
	2012-2013	OEC	1
		SEBC	6
		FC	4
		KPCR	12
		Post Metric Scholarship	5
		Suvarna Jubilee Scholarship	1
	2013-14	SC/ST	17
		OBC	44
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts		
	Year	Resource person	Programme
	2010-2011	Mr.Hareesh V M, Assistant Professor, Dept. of Mathematics, Sree Kerala Varma College, Thrissur	Association inauguration & Talk on “ Basic Concepts in Real Analysis”
	2010-2011	Prof R. Sivaramakrishnan Former Head University of Calicut	Intercollegiate seminar on Hadamard matrices
	2010-2011	Dr.K.T.Arasu, Wright State University, U.S.A	Intercollegiate seminar on Hadamard matrices
	2010-2011	Prof. T. Thrivikraman Former Head , Department of Mathematics , Cochin University	National Seminar on “Classical Mathematics with Applications to Computer Science and related areas”
	2010-2011	Dr. R. Rajesh Senior Research Associate, NEST, Technopark, Assistant Professor, Bharathiar University	National Seminar on “Classical Mathematics with Applications to Computer Science and related areas”



2010-2011	Prof. N. Chandrasekaran Visiting Faculty , BIM , Trichy	National Seminar on “Classical Mathematics with Applications to Computer Science and related areas”
2010-2011	Prof. N. Sridharan Alagappa University Karaikudy Tamilnadu	National Seminar on “Classical Mathematics with Applications to Computer Science and related areas”
2010-2011	Dr. P. B. Vinod Kumar Dean Rajagiri School of Engineering and Technology	National Seminar on “Classical Mathematics with Applications to Computer Science and related areas”
2010-2011	Dr. J Sathesh Kumar Assistant Professor , Department of Computer Applications , School of Computer Science and Engineering , Bharathiar University , Coimbatore	National Seminar on “Classical Mathematics with Applications to Computer Science and related areas”
2010-2011	Dr. Gladston Raj Associate Professor, Department of Computer Science, Marian College , Kuttikkanam	National Seminar on “Classical Mathematics with Applications to Computer Science and related areas”
2011-2012	Prof. C D Paul Associate Professor Department of Mathematics, St Thomas College, Thrissur	Association Inauguration
2011-2012	Prof. M. I. Saju Assistant Professor Department of Mathematics, St Thomas College, Thrissur	Talk on Cryptography
2011-2012	Prof. P. T. Ramachandran Professor Department of Mathematics, Calicut University	Talk on Kerala Mathematics
2012-2013	Mr. Pravas K Assistant Professor, Govt. Polytechnic , Poorappuzha	Class on LATEX
2012-2013	Mr. Varun Soman	NET Coaching
2012-2013	Dr. R. Sivaramakrishnan Former Head Calicut University	Talk on Contributions of Ramanujan
2013-2014	Dr. Sheela C Vice Principal, FISAT	Association Inauguration & Talk on Fuzzy Mathematics
2014-2015	Dr. Easa P. S. Director, KFRI Peechi	Talk on Environmental issues



	2014-2015	Smt. Anjaly Kishore, Assistant Professor Vimala College, Thrissur	Association Inauguration & Talk on Real Analysis
	2014-2015	Dr. Sajith G Assistant Professor S S College Araecode	National level instructional Seminar on Recent Advances In Mathematics
	2014-2015	Prof.P. T. Ramachandran Professor Department of Mathematics, Calicut University	National level instructional Seminar on Recent Advances In Mathematics
	2014-2015	Dr. R. Sivaramakrishnan Former Head, University of Calicut	National level instructional Seminar on Recent Advances In Mathematics
	2014-2015	Prof. B. V. Rajarama Bhat Professor, ISI, Bangalore	National level instructional Seminar on Recent Advances In Mathematics
	2014-2015	Dr. Vinod Kumar P B Associate Professor St. Xavier's College , Aluva	National level instructional Seminar on Recent Advances In Mathematics
	2014-2015	Dr. Aparna Laxmanan Assistant Professor St. Xavier's College , Aluva	National level instructional Seminar on Recent Advances In Mathematics
	2014-2015	Dr. Sunny Kuriakose DEAN , FISAT, Angamaly	National level instructional Seminar on Recent Advances In Mathematics
	2014-2015	Dr, Sudheer K Associate Professor Farook College, Kozhikode	Talk on Career Opportunities in Mathematics
33	Teaching methods adopted to improve student learning		
	<ul style="list-style-type: none">● Assignments & Seminars● ICT Enabled Teaching● Peer teaching● Remedial teaching● Question –Answer sections● Test Papers● Quiz		



34	Participation in Institutional Social Responsibility (ISR) and Extension activities
	<ul style="list-style-type: none">• Participating in Student Outreach Programme• Department Freeships• Active Participation in NCC and NSS• Visits to Old age Homes, Mental hospital etc.• Our Faculty members are resource persons for seminars conducted by other Colleges.• Faculty members took up duty as presiding officers in assembly and parliament elections.• As the part of “LAria Fresca” our students took part in cleaning activities in the college and streets in the Thrissur Corporation area.• Vegetable Gardening
35	SWOC analysis of the department and Future plans
	Strength
	<ul style="list-style-type: none">• Research Centre with 2 research guides• Teachers and students with good research aptitude• Good support of Management• Minor Projects• Highly Talented & qualified Teachers• Student Feedback evaluation• NET coaching• Certificate course- Geomath
	Weakness
	<ul style="list-style-type: none">• Lack of interest in basic sciences due to the increased interest in professional courses• Often, the duration of a semester is much less than minimum days for a semester.
	Opportunity
	<ul style="list-style-type: none">• To organize Coaching classes for various State Central, and Semi Government Staff Selection examinations• To do Post-Doctoral research• To organize International seminars• To Give coaching in Mathematics to students in other Departments
	Challenges
	<ul style="list-style-type: none">• Lack of space for extension• The students get married very early and are driven back from research or higher studies because of the obligations



Future plans

- To publish more papers.
- To take up more Research Projects
- To conduct more Research oriented Programmes.
- To conduct Nurture Programmes for PG and UG students
- To organize more Regional, National and International Seminars.



Evaluative Report of the Department of Botany

1	Name of the Department	Botany		
2	Year of Establishment	1993		
3	Names of Programs / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	<ul style="list-style-type: none"> • B.Sc. Botany • M.Sc. Botany 		
4	Names of Interdisciplinary courses and the departments/units involved	Name	Depts. involved	
		Open Course : Horticulture and Nursery Management	All Departments	
		UGC Add On Plant Tissue Culture	All Science Departments	
5	Annual/ semester/choice based credit system (programme wise)	B.Sc and M.Sc Botany follow CCSS		
6	Participation of the department in the courses offered by other departments	Open course of other departments.		
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil		
8	Details of courses/programs discontinued (if any) with reasons	Nil		
9	Number of Teaching posts	Sanctioned	Filled	
		Regular	3	3
		Guest Faculty (regular/self-financed)	2(SF)	2(SF)



10 Faculty Profile						
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Dr. Regi Raphael K	M.Sc, B.Ed, M.Phil, Ph.D	Associate Professor	Cytology & Biochemistry	21	1
	Dr. Rekha K	M.Sc, NET, Ph.D	Assistant Professor	Environmental Science, Phycology	11	-
	Sr. Dr. Meena K Cheruvathur	M.Sc, B.Ed, M.Phil, Ph.D	Assistant Professor	Environmental Science, Biotechnology	5	-
	Alby Alphons Baby	M.Sc	Guest Faculty	Biotechnology, Phytochemistry	0.10	-
	Snehalatha V.R	M.Sc, M.Phil	Guest Faculty	Plant Physiology, Biochemistry	-	-
11	List of Senior Visiting Faculty				Nil	
12	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty					
	Year	Percentages of classes				
		UG			PG	
	2010-11	-			NA	
	2011-12	-			NA	
	2012-13	17			NA	
	2013-14	-			NA	
	2014-15	-			100	
13	Student -Teacher Ratio (programme wise):	UG	B.Sc Botany		36:1	
		PG	M.Sc Botany		6:1	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled:	Sanctioned			Filled	
		Academic support Staff	2+1		2+1	
		Administrative Staff	-		-	



15	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG						
	Name		Qualification				
	Dr.Regis Raphael K		M.Sc, B.Ed, M.Phil, Ph.D				
	Dr.Rekha K		M.Sc, NET, Ph.D				
	Dr.Sr. Meena K.Chervathur		M.Sc, B.Ed, M.Phil, Ph.D				
	Alby Alphons Baby		M.Sc				
	Snehalatha V.R		M.Sc, M.Phil				
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	Name of the PI	Details of the grant				
			Funding agency	Grant Sanctioned			
		2 (UGC Minor projects)	Dr. Regis Raphael K	UGC (ongoing)	150000		
		1 (KSCSTE projects)	Sr. Dr. Meena K Chervathur	KSCSTE (ongoing)	175000		
		Dr. Rekha K	UGC (completed)	85000			
17	Departmental projects funded by DSTFIST; UGC, DBT, ICSSR, etc. and total grants received:	Funding Agency		Grant Sanctioned			
		Oushadi Pharmaceuticals Corporation Kerala Ltd.		15000			
18	Research Centre /facility recognized by the University					Nil	
19	Publication details						
	Title	Journal	Vol.	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR h - index	
Dr. Regis Raphael K							
	Report on Fungi from some of the rotten vegetables. 1, 1-8, 2010.	Annals of Basic and Applied Sciences	1	2010	National	-	



A study on Mycoflora of stored vanilla beans.	Plant Archives	11	2011	International	-
Pharmacognostic and preliminary phytochemical screening of the corm of <i>Amorphophallus paenifolius</i> (Dennst) Nicols. Var <i>paenifolius</i> .	International Journal of Pharmacy and Pharmaceutical Sciences	4	2012	International	Impact factor: 1.59
Preliminary phytochemical screening on the flowers and rhizome of <i>Heydichium flavescens</i> Carey ex Roscoe.	Plant Archives	13	2013	International	-
Potential antimicrobial, anthelmintic and antioxidant properties of <i>Areca catechu</i> L root.	IJPPS	6 (6)	2014	International	Citation -2 Impact factor: 1.59
Antioxidant and Anthelmintic Potential of the stem and Leaves of White <i>Abrus</i>	IJPPS	6 (10)	2014	International	Impact factor: 1.59
Pharmacognostic characters of an Unexplored traditional Medicine <i>Areca catechu</i> L root.	WJPPS	3 (10)	2014	International	Impact factor: 2.76
Pharmacognostic characters of an endemic traditional medicine <i>Bauhinia phoenicea</i> Wight & Arn Leaves.	WJPPS	3 (11)	2014	International	Impact factor: 2.76



Dr. Rekha K						
Studies on leaf architecture of Polygala Linn	Plant Archives	10 (2)	2010	International	-	
Effect of fungicide Carbendazim on the growth and yield of Phaseolus aureus Roxb.	Annals of Basic and Applied Sciences	1 (1)	2010	National	-	
Mitotic aberrations induced by Sodium benzoate, a food additive in Allium cepa	Plant Archives,	10 (2)	2011	International	Citation:3 h-index-2	
Monosodium glutamate (ajinomoto) induced mitotic aberrations in onion root tip.	Annals of Basic and Applied Sciences,	2 (1)	2011	National	-	
Screening of some fresh water phytoplankton for the requirement of iron, a micronutrient in terms of growth and productivity.	International Journal of Current Research,	5 (7)	2013	International	3.845	
Exogenous GA3 induced seed germination and α amylase activity in Okra under salinity stress.	Journal of Environmental Biology (in press)	-	2014	International	0.68	
Response of Chromolaena Odorata(L.) King &Robins to Urban Air Pollution: Effects on Anatomy, Leaf Extract pH, Chlorophyll and Relative Water Content	Annals of basic and applied sciences (in press)	-	2014	National	-	



Sr. Dr. Meena K Cheruvathur						
Adventitious shoot formation from cultured inter nodal explants of <i>Malaxis acuminata</i> D. Don, a valuable terrestrial medicinal orchid.	Plant Cell Tissue and Organ Culture	101	2010	International	International citations: 12, Impact factor: 3.633, H-index: 4	
Micropropagation of <i>Cyclea peltata</i> (Lam) Hook & Thoms. based on enhanced axillary branching.	Industrial Crops and products.	31	2010	International	Impact factor: 2.468, International citations: 11	
Callus induction and shoot regeneration from epicotyl explants of ethnomedicinally important <i>Caesalpinia bonduc</i> (L.) Roxb.	Iranian Journal of Biotechnology.	8	2010	International	International citations: 3	
Pulvinus- an ideal explant for plant regeneration in <i>Caesalpinia bonduc</i> (L.) Roxb., an ethanomedicinal woody climber.	Acta Physiologia Plantarum.	34	2011	International	Impact factor: 1.530, International citations: 3	
Callus induction and high frequency plant regeneration in <i>Pseudarthria viscida</i> (L.) Wright and Arn., a rare ethnomedicinal plant.	Physiology and Molecular Biology of Plants	17	2011	International	International citations: 4	



Shoot organogenesis from leaf callus and ISSR assessment for their identification of clonal fidelity in <i>Rhinacanthus nasutus</i> (L.) Kurz., a potent anticancerous ethnomedicinal plant.	Industrial Crops and Products.	40	2012	International	Impact factor: 2.468, International citations: 8
Somatic embryogenesis and synthetic seed production in <i>Rhinacanthus nasutus</i> (L.) KURZ.	Plant Cell Tiss.Organ Cult.	113	2012	International	Impact factor: 3.633, : 4
In vitro propagation and conservation of Indian Sarsaparilla, <i>Hemidesmus indicus</i> L. R. Br through somatic embryogenesis and synthetic seed production.	Acta Physiol. Plantarum.	35	2012	International	Impact factor: 1.530, International citations: 4
Plant regeneration through callus organogenesis and true-to-type conformity of plants by RAPD analysis in <i>Desmodium gangeticum</i> (Linn.) DC.	Appl Biochem Biotechnol.	5	2013	International	Impact factor: 1.893. International citations: 7
Callus induction and multiple shoot regeneration from in vitro cotyledonary nodal explants of <i>Rhinacanthus nasutus</i> (Linn.) Kurz. – a potent anticancerous ethnomedicinal plant.	Vimala Int. J. For Pure and Appl. Sc.	1	2013	International	-



	Shoot organogenesis from root –derived callus of <i>Rhinacanthus nasutus</i> (Linn.) Kurz. And assessment of clonal fidelity of micropropagated plants using RAPD analysis.	Appl Biochem Biotechnol	172	2013	International	Impact factor: 1.893
	High frequency multiple Shoot induction from nodal segments and rhinacanthin production in the medicinal shrub <i>Rhinacanthus nasutus</i> (Linn.) Kurz.	Plant Growth Regular	40	2012	International	Impact factor: 1.990
	Effect of plant growth regulates and elicitors on rhinacanthin accumulation in hairy root cultures of <i>Rhinacanthus nasutus</i> (L.) Kurz.	Plant Cell Tissue Organ Culture	DOI 10.1007/s11240-014-0473-9.	2014	International	Impact factor: 3.633, International citations:2
Alby Alphons Baby						
	Potential Antimicrobial, Anthelmintic and Antioxidant properties of <i>Areca catechu</i> L root	IJPPS	6 (6)	2014	International	Citation -2 Impact factor: 1.59
	Antioxidant and Anthelmintic Potential of the stem and Leaves of <i>White Abrus</i>	IJPPS	6 (10)	2014	International	Impact factor: 1.59



Pharmacognostic characters of an Unexplored traditional Medicine Areca catechu L root.	WJPPS	3 (10)	2014	International	Impact factor: 2.76
Pharmacognostic characters of an endemic traditional medicine Bauhinia phoenicea Wight & Arn Leaves. WJPPS	WJPPS	3 (11)	2014	International	Impact factor: 2.76
The efficacy of Acacia intsia and Acacia concinna naturally using shampoo as 'incha thali' in antidandruff treatment.	HJPASS	2 (1)	2012	National	-
International Data Base					
Dr Regi Raphael K					3
Dr. Rekha					3
Dr. Meena K Cheruvathur					11
Alby Alphons Baby					3
Chapters in Books					Nil
Books edited					Nil
Books Authored					Nil
Popular Articles					Nil
Resource Persons Or Sessions Chaired					
Dr. Regi Raphael K					
	Event		Venue		Year
	Inaugurated Botany Association and delivered a talk on "Dramatic Behavior of Plants"		Little Flower College, Guruvayur		2013
	Inaugurated Botany Association and talk on Floral adaptations and Pollination & Opportunities in Botany		Vimala College, Thrissur		2014
	Resource Person in a session in KSCSTE, KSHEC & UGC sponsored National seminar on Biodiversity Conservation: Trend and Need		St. Thomas College, Thrissur		2014
	Judged Paper Presentation Competition connection with National Seminar		St. Mary's College, Thrissur		2014
	Lecture on Pest and disease control		St.Mary's C.G.H.S, Ollur		2014



Dr. Rekha K			
	Talk on fungal diversity	St. Mary's School C.U.P.Chiyyaram	2014
	Lecture on Biological control	St. Mary's C.G.H.S, Ollur	2014
Sr. Dr. Meena K Cheruvathur			
	Talk on "Biodiversity of Plants"	TTI, Pavaratty, Thrissur	2012
	Inaugurated the World Environmental Day Celebration	Sacred Hearts Girls High School, Thrissur	2013
	Talk on Medicinal Plants	St. Mary's School C.U.P.Chiyyaram	2014
	Lecture on Biopesticides Control	St. Mary's C.G.H.S, Ollur	2014
	Resource person in National Seminar	Carmel College, Mala, Thrissur	2014
Papers in Seminars/Workshops/Conferences			
No	Title of the paper	National/ International/ Regional	Year
Dr. Regi Raphael K			
1	Pharmacognostical and Preliminary Phytochemical Screening of Bauhinia phoenicea Wight & Arn. leaves.	National	2011
2	Anti cancer compounds of plants.	International	2011
3	Ethnopharmacology of Bauhinia phoenicea Wight & Arn leaves.	National	2014
4	An unintended adulteration in the usage of the natural shampoo Acacia caesia.	National	2014
5	Antimicrobial, Anthelmintic and Antioxidant properties of Hygrophilla spinosa leaves.	National	2014
6	Seasonal changes in drinking water quality.	National	2014
7	Biodiversity Conservation Trend and Need	National	2014
8	Traditional Ottamoolies in Peechi Village of Thrissur District	International	2014
9	Traditional Plant Preparations for the primary health Care	International	2014
10	Pharmacognosy and Biological Potential of the stem and leaves of white Abrus	International	2014
11	Potential anthelmintic and Antioxidant properties of Naravelia zeylanica.	National	2014
12	Potential anthelmintic and Antioxidant properties of Stereospermum suavelons.	National	2014



Dr.Rekha K			
1	Mitotic aberrations induced by sodium benzoate and monosodium glutamate in <i>Allium cepa</i> L.	National	2011
2	Effect of Gibberellin A3 on seed germination and α amylase activity of <i>Abelmoschus esculentus</i> (L.) Moench. Under salinity stress	National	2011
3	Biodiversity of Pteridophytes in adjoining areas of Athirapally and Vazhachal Waterfalls of Thrissur District, Kerala.	National	2012
4	Impact of some organic and inorganic fertilizers on the species dynamics of rhizosphere mycoflora of <i>Solanum melongena</i> L	National	2014
5	Production, characterization and applications of cellulase isolated from <i>Pseudomonas fluorescens</i> & <i>Escherichia coli</i>	National	2014
6	Herbs for rejuvenation	International	2014
7	Comparative account on phytochemical and antioxidant properties in common varieties of <i>Vigna unguiculata</i>	National	2014
Sr. Dr. Meena K Cheruvathur			
1	Somatic embryogenesis and synthetic seed production from <i>Hemidesmus indicus</i> (L.) R. BR. an important medicinal plant.	International	2010
2	In vitro induction of shoots from internodal segments of an important terrestrial medicinal orchid <i>Malaxis accuminata</i> D.Don.	International	2010
3	A protocol for plant regeneration in <i>Pseudarthria viscida</i> (L.) Wright and Arn., via cotyledonary node and leaf derived calli.	International	2011
4	Somatic embryogenesis, synthetic seed production and assessment of clonal fidelity by RAPD analysis in in vitro propagated plantlets from <i>Rhinacanthus nasutus</i> (L.) KURZ., a highly valuable ethnomedicinal plant.	National	2011
5	Phytochemical analysis of in vitro and in vivo roots of <i>Clotropis gigantia</i> .	National	2014
6	Production of valuable secondary metabolites from leaves and callus cultures of <i>Momordica dioica</i> Rox Ex Wild.	National	2014
7	“Naattarivukaludesasthreeyatha”.	International	2014
8	<i>Centella asiatica</i> – A potential brain tonic.	International	2014
Alby Alphons Baby			
1	Ethnopharmacology of <i>Bauhinia phoenicea</i> Wight & Arn leaves.	National	2014
2	An unintended adulteration in the usage of the natural shampoo <i>Acacia caesia</i> .	National	2014
3	Antimicrobial, Anthelmintic and Antioxidant properties of <i>Hygrophilla spinosa</i> leaves.	National	2014
4	Seasonal changes in drinking water quality.	National	2014
5	Evaluation of the bioactivity of a traditional medicinal plant ‘Vayalchulli’.	International	2014



Snehalatha V.R					
1	Evaluation of Lawsonia inermis L. leaf extract for their in vitro fungitoxicity against some plant pathogens			National	2014
2	Evaluation of bacterial endophyte from coconut root against ganoderma lucidum causing basal stem rot in coconut			National	2014
20	Areas of consultancy and income generated				
	Areas of consultancy	Income Generated			
	Project works and Research	2010-2011	2011-2012	2012-2013	2013-2014
		3000	6000	6000	88000
21	Faculty as members in a) National committees b) International Committees c) Editorial Boards....				Nil
22	Student Projects				
	Percentage of students who have done in-house projects including inter departmental / programme	Year		UG	PG
		2010-2011		100	NA
		2011-2012			
		2012-2013			
	2013-2014				
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies	2010-2011		Nil	NA
		2011-2012			
		2012-2013			
		2013-2014			
23	Awards/ Recognitions received by faculty and students				
	Name	Faculty/ Student	Awards/ Recognition	Awarding Body	Year
	Dr. Rekha K	Faculty	Best Paper Award	Research Department of Botany St. Teresa's College, Ernakulam	2014
	Alby Alphons Baby	Faculty	Best Poster Award	IQAC St. Mary's College, Thrissur	2014
	Miss. Alby Alphons Baby	Faculty	Best MSc Botany Thesis	Kerala Botanical Society.	2012
24	List of eminent academicians and scientists/ visitors to the department				
	Name	Designation		Context	Year
	Dr. Jayson E.A	Scientist, Kerala Forest Research Institute, Peechi.		Talk	2011
	Dr. V.J. Dominic	HOD, Dept. of Botany, S.H College, Thevara.		Talk	2011
	Dr. Udayan B.B	Assistant Professor, Sreekrishna College, Guruvayur.		Talk	2011



Dr. E.V Anoop	Associate Professor, Kerala Agricultural University, Vellanikkara.	Talk	2011
Prof. Annam John	Former H.O.D, Dept of Physics, St. Mary's College, Thrissur, Division councilor, Chembukkavu	National Seminar	2011
Dr. Regi Philip,	Raman Research Institute, Bangalore.	National Seminar	2011
I P Paul	Mayor, Thrissur	National Seminar	2011
Dr. Bindhu Krishnan	Sree Kerala Varma College, Thrissur.	National Seminar	2011
Dr. Krishnaprasad	Assistant Professor, Amrita Centre Center for Nanoscience, Amrita University, Cochin	National Seminar	2011
Dr. Joy P Joseph	Associate Professor, S.H College, Thevara.	National Seminar	2011
V.R Sathish	Dept. of Computer Science, Calicut University, Malappuram.	Talk	2011
Dr. John Thomas	Retd. Prof. and research guide, Dept. of Zoology, Christ College, Irinjalakuda	Talk	2011
Dr. Jos T Puthur	Reader, Dept of Botany, Calicut University, Malappuram.	Association inauguration	2013
Dr. P.K Sushama	H.O.D , Dept of Soil Science & Agricultural Chemistry, College of Horticulture, Vellanikkara.	Talk	2013
S. Gopinath IPS	Inspector General of Police, Thrissur.	World Environment Day Celebration	2013
Dr. K.K Seethalakhshmi	Scientist, KFRI, Peechi.	World Environment Day Celebration	2013
Radhakrishnan	Chairman TDA, Thrissur.	World Environment Day Celebration	2013
Dr. Narayanankuty	Professor, Kerala agricultural University, Mannuthy, Thrissur.	Talk	2013
Dr. Jain J Therattil	WWF- Coordinator.	Talk	2013
Mrs. Indhira Gopinath	Alumni & Active Member of Palliative Care, Thrissur.	Demonstration class	2014



	Santhosh Baby	Chief Executive, Aqualine Exports Nellore and Aquaculture consultant (Ornamental fish) Planet Earth Mysore, Karnataka		Talk	2014		
	Dr. S. Estelita	Professor, Kerala Agricultural University, Mannuthy		Association inauguration	2014		
25	Seminars/ Conferences/Workshops organized & the source of funding						
		Program		Source of funding	Fund received		
	a)National	National Seminar on Nano Biotechnology		UGC	90000		
	b)International				Nil		
26	Student Profile programme/course wise						
	Name of the Course/ Programme	Applications received	Selected	Enrolled		Pass percentage	
				*M	*F		
	2010-11	UG	257	36	-	27	81.48
	2011-12		1042	36	-	28	86
	2012-13		1175	36	-	36	-
	2013-14		Online	37	-	37	-
	2014-15		Online	36	-	36	NA
	2014-15	PG	59	12	-	12	-
27	Diversity of Students						
	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad			
	2010-11	UG	100	Nil	Nil		
	2011-12		100	Nil	Nil		
	2012-13		100	Nil	Nil		
	2013-14		99	1	Nil		
	2014-15		100	Nil	Nil		
	2014-15		PG	100	Nil	Nil	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.				- Nil		



		Against % enrolled				
29	Student progression	2009-10	2010-11	2011-12	2012-13	2013-14
	UG to PG	32	50	38	26	43
	Employed					
	Campus selection	-	-	-	-	-
	Other than campus recruitment	-	3	-	3	-
	Entrepreneurship/ Self-employment	-	-	-	-	-
30	Details of infrastructural facilities					
	Library	Books in the Department and College Library.				
	Internet facilities for Staff & Students	Free Internet and INFLIBNET facility available for staff and students.				
	Class rooms with ICT facility	1 Smart Classroom.				
	Laboratories/Museum	B.Sc Lab, M.Sc Lab, Tissue Culture Lab, Specimen Museum.				
31	Number of students receiving financial assistance from college, university, government or other agencies					
	Year	Funding Agencies			No: of students	
	2010-2011	UGC scholarship			19	
		Freeship			13	
		Fee concessions			24	
		Stipent (SC/ST)			12	
		College			2	
	2011-2012	UGC scholarship			33	
		Freeship			24	
		Fee concessions			32	
		Stipent (SC/ST)			12	
	2012-2013	Freeship			18	
		Fee concessions			37	
		Stipent (SC/ST)			16	
	2013-2014	Freeship			15	
		Fee concessions			34	
		Stipent (SC/ST)			19	
	2014-2015	Freeship			19	
		Fee concessions			34	
		Stipent (SC/ST)			24	



32 Details on student enrichment programmes (special lectures / workshops / seminar) with external experts		
Year	Resource person	Program
2010	Dr. Mukthesh Kumar, Sr.Scientist, Dept. of Forest Botany, KFRI, Peechi	Introduction to Lichens
2010	Dr. E.V.Anoop,Asso.Professor, Dept. of wood science, KAU	Properties and preservation of Wood
2011	Dr. Jayson E.A., Scientist-F, Dept. of Wild life Biology, KFRI,Peechi	Birds of Wetland Ecosystem
2011	Dr.C.R.Sivadasan, Retd. Senior scientist, spices Board	Importance of trees
2011	Dr.P.S.Udayan, Asst.Professor in Botany,SreeKrishna Colege, Thrissur	Plant taxonomy
2011	Dr. E.V.Anoop, Asso.Professor, Dept. of wood science, KAU	Forest and Climate change phenomenon
2011	Sri. V.R.Sathish, Dept.of computer Science, Uty. Of Calicut	General Informatics
2011	Dr.John Mathew Retd. Prof. and research guide, Dept. of zoology, Christ college, Irinjlakuda	Environmental protection: Challenge and Future Hope
2011	Sri. Binu K.,Asst professor, Dept. of Sociology, St.Mary's College, thrissur	Ethics and moral values
2012	Dr. Anitha, Scientist, Central Nursery, Agricultural Uty, mAnnuthy	Nursery Management
2012	Dr. Veena Vigneswaran, Scientist, Regional rice Research Institute, Pattambi	Plant Breeding
2012	Dr. Jose T. Puthur, Reader, Dept. of Botany, Uty. Of Calicut	Bioenergy plantation
2012	Dr. P.K.Sushma, HOD, Dept. of Soil Science and Agricultural Chemistry, KAU, Thrissur	Vermicomposting techniques
2013	Prof.Dr.C.Narayanankutty, Dept. of Horticulture, KAU, Mannuthy	Hi-tech vegetable production
2013	Prof.Mathew, KAU, Mannuthy	Herbals in Home remedies
2013	Sri.Jain J. Therattil, Asst. Professor, Dept. of Zoology, St.Aloysious College, Elthuruth	Biodiversity of Western Ghats
2014	Dr. Mohandas, Scientist, KFRI	Forest and its role in sustaining life
2014	Ms. Indira Gopinath, Active member of pain and palliative care unit.	Waste management
2014	Dr. Estellita , associate professor, Plant Pathology, KAU.	Family farming



33	Teaching methods adopted to improve student learning
<ul style="list-style-type: none">● Project Method● Demonstration Method● Peer teaching● Power point presentation● Online reference● Remedial Teaching.● Assignments and Seminar Presentation	
34	Participation in Institutional Social Responsibility (ISR) and Extension activities
<ul style="list-style-type: none">● Well maintained RET garden.● Herbal garden sustains about 300 medicinal plants.● Department in connection with alumni of our college conducted a medical camp consisting of medical checkup, diagnosis of diabetes & free distribution of medicines.● Cleaning up of a common well in the scheduled caste colony at Mylipadam, Thrissur.● Cultivation and distribution of winter seedlings to the staff and students of our college.● Medicinal plant conservation project: 'Know the plants; grow the plants'● A KSCSTE funded project initiated by the department with the intension of conservation of rare- endangered- threatened and other important medicinal plants seen in Western Ghats● 25 medicinal plants cultivated in the campus & distributed to 25 different schools at Thrissur.● Plants distributed to staff and students of St. Mary's College.● Academic Extension.● Faculty as Resource Person in National Seminars● Faculty as question paper setter for PSC and other universities● Faculty giving guidance to M.Sc students of other institutions for their project work	



35	SWOC analysis of the department and Future plans
Strength	
<ul style="list-style-type: none">• Highly skilled and dedicated teachers.• ICT enabled teaching and learning• Quality research• Hygienic environment• Well-equipped laboratories• Guidance for projects of MSc. Students of other departments and institutions• Well established RET, botanical, herbal and ornamental gardens• Faculty as resource person in various national seminars• Providing guide ship for doctoral programme• Inculcating the culture of Eco- friendly life style in students	
Weakness	
<ul style="list-style-type: none">• Time constraint in planning various events• Curriculum too vast for additional activity• Lack of adequate space for the expansion of laboratory and garden	
Opportunity	
<ul style="list-style-type: none">• Opportunity to develop research culture in students through projects and research institution visits• Opportunity to interact with the experts of industrial and research field• Field trip to experience the vegetation diversity	
Challenges	
<ul style="list-style-type: none">• Lack of interest among the youth to pursue the basic science courses• Majority of the students are hailing from educationally and economically backward society	
Future plans	
<ul style="list-style-type: none">• Up gradation of department as Research Centre• Establish well equipped instrumentation room.• More MoUs with industries to promote industry- institution interaction• Undertake more projects with social relevance for the benefit of community.• Conduct more National Seminars	



Evaluative Report of the Department of Chemistry

1	Name of the Department	Chemistry		
2	Year of Establishment	1959		
3	Names of Programs / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	<ul style="list-style-type: none"> • B.Sc. Chemistry • M.Sc. Chemistry (from 2014-15 onwards) 		
4	Names of Interdisciplinary courses and the departments/units involved	Name	Depts. involved	
		Open Course : Environmental Chemistry	All Departments	
		Complementary course	Botany, Biotechnology	
5	Annual/ semester/choice based credit system (programme wise)	B.Sc. and M.Sc. Chemistry follow CCSS		
6	Participation of the department in the courses offered by other departments	Open course of other departments.		
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil		
8	Details of courses/programs discontinued (if any) with reasons	BSc. Polymer Chemistry changed to BSc. Chemistry based on student feedback.		
9	Number of Teaching posts	Sanctioned	Filled	
		Regular	4	4
		Guest Faculty (regular/self-financed)	3(SF)	3(SF)



10 Faculty Profile						
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Sr. Mary K P	M.Sc, B.Ed, M.Phil	Associate Professor	Organic Chemistry	23	Nil
	Dr. T Geetha	M.Sc, Ph.D	Assistant Professor	Environmental Chemistry	4	Nil
	Dr. Manju Sebastian	M.Sc, Ph.D, NET	Assistant Professor	Coordination Chemistry	4	Nil
	Dr. Bincy Joseph	M.Sc, B.Ed, M.Phil, Ph.D	Assistant Professor	Coordination Chemistry & Electrochemistry	4	Nil
	Nithya C S	M.Sc, NET	Guest faculty	Analytical Chemistry	1	Nil
	Sudha E	M.Sc, M.Phil, Ph.D (Submitted)	Guest faculty	Polymer Chemistry	4	Nil
	Sona Xavier	M.Sc, B.Ed, M.Tech	Guest faculty	Analytical Chemistry	-	Nil
11	List of Senior Visiting Faculty		<ul style="list-style-type: none"> Dr. C R Sivadasan, Retired Scientist, Spices Board, Kochi 			
12	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty					
	Year		Percentages of classes			
			UG		PG	
	2010-11		74		NA	
	2011-12		34		NA	
	2012-13		17		NA	
	2013-14		17		NA	
	2014-15		17		100	
13	Student -Teacher Ratio (programme wise):		UG	B.Sc. Chemistry	24:1	
			PG	M.Sc Chemistry	6:1	



14	Number of academic support staff (technical) and administrative staff; sanctioned and filled:	Academic Support Staff	Sanctioned		Filled		
			Govt.	Mgmt.	Govt.	Mgmt.	
		Administrative Staff	1	1	-	2	Nil
15	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG						
	Name	Qualification					
	Sr. Mary K P	M.Sc, M.Phil					
	Dr. T Geetha	M.Sc, Ph.D					
	Dr. Manju Sebastian	M.Sc, Ph.D					
	Dr. Bincy Joseph	M.Sc, M.Phil, Ph.D					
	Sudha E	M.Sc, M.Phil, Ph.D (Submitted)					
	Sona Xavier	M.Sc, B.Ed, M.Tech					
	Nithya C S	M.Sc, NET					
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	Name of the PI	Details of the grant				
			Funding agency	Grant Sanctioned			
		3 (UGC Minor projects)	Dr. T Geetha	UGC (ongoing)	160000		
			Dr. Manju Sebastian	UGC (ongoing)	175000		
		Sr. Mary K P	UGC (completed)	65000			
17	Departmental projects funded by DSTFIST; UGC, DBT, ICSSR, etc. and total grants received:	Nil					
18	Research Centre /facility recognized by the University	Nil					



19	Publication details					
	Title	Journal	Vol	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR
Dr. Manju Sebastian						
	Template synthesis and spectral characterization of some Schiff base complexes derived from quinoxaline-2-carboxaldehyde and L-histidine,	Journal of Coordination Chemistry	64 (525-33)	2011	International	C-9 IF-2.212
	Hydrogen Bonded Triple Helical Structure of 3-Hydroxyquinoxaline-2-carboxalidine-4-aminoantipyrine	Journal of Chemical Crystallography	41 (1013-1017)	2011	International	C-0 IF-0.479
	Synthesis, structural characterization and catalytic activity study of Mn(II), Fe(III), Ni(II), Cu(II) and Zn(II) complexes of quinoxaline 2carboxalidine2amino5methylphenol: Crystal structure of the nickel(II) complex	Polyhedron	29(3014-3020)	2010	International	C-14 IF-2.047



Metal-induced rearrangement of benzothiazoline ring: Synthesis and characterization of transition metal complexes of an ONS-donor Schiff base	Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry	40 (541-547)	2010	International	C-1 IF-0.571
Synthesis, characterization and the crystal structure of a new Cobalt(II) Schiff base complex with quinoxaline-2-carboxalidine-2-Amino-5-methylphenol	Journal of Coordination Chemistry.	63 (307-314)	2010	International	C-9 IF-2.212
Oxidation kinetics of nickel nano crystallites obtained by controlled thermolysis of diaquabis (ethylenediamine)nickel(II)nitrate	Journal of Thermal Analysis and Calorimetry	100 (733-740)	2010	International	C-6 IF-2.206
Two new fluorescent heterocyclic perimidines: first syntheses, crystal structure, and spectral characterization	Tetrahedron Letters	51 (2174-2177)	2010	International	C-8 IF-2.391



Dr. Bincy Joseph

Inhibition of Mild steel corrosion in 1 M Hydrochloric acid using (E)-(4-(4-methoxybenzylideneamino)-4H-1,2,4-triazole-3,5-diyl)dimethanol(MBATD)	Journal of dispersion science and Technology	33(5)(739-749)	2012	International	IF-0.705
Electroanalytical studies on the Interaction of 4-(N,N-Dimethylaminobenzilidene)-3-mercapto-6-methyl-1,2,4-triazin (4H)-5-one (DAMMT) with mild steel in perchloric acid	Journal of material and Environmental Sciences	3(6)(1045-1064)	2012	International	IF-0.5672
Spectrophotometric determination of osmium(VIII) in trace amounts using Ethylene thiourea (ETU) as chromogenic reagent	Indian Journal of Chemical Technology	18(113-117)	2011	National	IF-0.580
Inhibition of copper corrosion in 1 M Nitric acid – Electro analytical and Theoretical study with (E)-(4-(4-methoxybenzylideneamino)-4H-1,2,4-triazole-3,5-diyl)dimethanol (MBATD)	Portugaliae Electrochimica Acta	29(4)(253-271)	2011	International	



Imidazolidine-2-thione as Corrosion inhibitor for mild steel in 1N Hydrochloric Acid.	Indian Journal of Chemical Technology	17(366-374)	2010	National	IF-0.580
Inhibition of Mild Steel Corrosion in 1M Hydrochloric acid using (E)-4-(2-chlorobenzylideneamino)-6-methyl-3-thioxo-3, 4-dihydro-1, 2, 4-triazin-5(2H)-one	Indian Journal of Chemical Technology	17(425-430)	2010	National	IF-0.580
Inhibition of Mild steel corrosion in 1M Hydrochloric acid by 4-(N,N-Dimethylaminobenzylidene)-3-mercapto-6-methyl-1,2,4-Triazin(4H)-5-one (DAMMT).	Journal of Material Chemistry and Physics	122 (374-379)	2010	International	IF-2.129
. Electrochemical and quantum chemical study of 4 -[(E)- [(2,4 - dihydroxy phenyl) methylidene] amino]-6-methyl -3- sulphanylidene-2,3,4,5 tetra hydro - 1,2,4-triazin -5-one [DMSTT]	Journal of Material Chemistry and Physics	123(218-224)	2010	International	IF-2.129
International Data Base					Nil
Chapters in Books					Nil
Books Edited					Nil
Books Authored					Nil
Popular Articles					Nil
Resource Persons Or Sessions Chaired					Nil



Papers in Seminars/Workshops/Conferences			
No	Title of the paper	National/ International/ Regional	Year
Sr. Mary K P			
1	Physicochemical analysis of <i>Leucas aspera</i>	National	2014
2	Structural and Antimicrobial investigations on Transition Metal Complexes of Arylazo derivatives of acetylaceton glycine and Dimedone glycine	Regional	2012
Dr. T Geetha			
1	Green synthesis of silver nano particles	National	2014
2	Chemical analysis of water in the tributaries of Bharatapuzha	Regional	2014
3	Variations in the quantity, composition and quality of oils from Indian and African sandalwoods	Regional	2014
4	A comparative teak and eucalypt monoculture on soil organic fractions.	Regional	2012
Dr. Manju Sebastian			
1	Synthesis and spectral characterization of some new Schiff base complexes	National	2014
2	Synthesis and Characterization of the Schiff base 3-{(e)-[(2-hydroxy-4-methyl phenyl)imino]methyl}quinoxalin-2(1h)-one and its complexes	Regional	2014
Dr. Bincy Joseph			
1	Synthesis ,Characterization and computational studies on Coordination compounds of Copper, Zinc, Cadmium and Mercury with a Heterocyclic Schiff Base	National	2014
2	Synthesis and Characterization of coordination compounds of Co(II),Ni(II) and Pt(IV) with a heterocyclic Schiff base	National	2014
3	Enhancement of corrosion protection of mild steel by chitosan/ZnO nanoparticle composite membranes	National	2014
Sudha E			
1	Synthesis and functionalization of carbon nanotubes with chemically addressed peptide templates	National	2014
20	Areas of consultancy and income generated		Nil
21	Faculty as members in		
	a)National committees		Nil
	b)International Committees		Nil



c)Editorial Boards....					
	Name	Position	Committee	Year	
	Dr. T Geetha	Associate Editors	Journal – Annals of Basic and Applied Sciences	2010 onwards	
	Dr. Manju Sebastian				
22	Student Projects				
	Percentage of students who have done in-house projects including inter departmental / programme		Year	UG	PG
			2010-11	100	NA
			2011-12		
			2012-13		
		2013-14			
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies		2010-11	Nil	NA
			2011-12		
			2012-13		
			2013-14		
23	Awards/ Recognitions received by faculty and students			Nil	
24	List of eminent academicians and scientists/ visitors to the department				
	Name	Designation	Context	Year	
	Dr. C R Sivadasan	Sr. Scientist Retired, Spices Board	To Take class	2010	
	Dr. C R Sivadasan	Sr. Scientist Retired, Spices Board	To Take class	2011	
	Dr. Joby Thomas K	Associate Professor, St. Thomas College, Thrissur	To Take class	2011	
	Dr. Joshy C L	Associate Professor, St. Thomas College, Thrissur	Association Inauguration	2011	
	Dr. C K K Nair	PIMS, Thiruvalla	National Seminar on Emerging trends in Biopharmaceuticals	2011	
	Dr. K S Nandakumar	Himalaya Drug Company, Banglore,	National Seminar on Emerging trends in Biopharmaceuticals	2011	
	Dr. Hari Kumar Madhavan	BARC	National Science day Celebration	2012	
	Dr. Joby Thomas K	Associate Professor, St. Thomas College, Thrissur	National Science day Celebration	2012	
	Dr. Joby Thomas K	Associate Professor, St. Thomas College, Thrissur	Association Inauguration	2012	
	Dr. Santhosh Paul	Assistant Professor, S H College, Chalakkudy	To Take class	2012	
	Dr. T V Sajeev	Scientist, KFRI	National Science day Celebration	2013	



	Dr. Manoj Mathew	Assistant Professor, St. Joseph College Calicut	National Science day Celebration	2013			
	Dr. P A Nazeem	KAU	National Science day Celebration	2013			
	Dr. K R Janardhanan	District coordinator, National green crops	National Science day Celebration	2013			
	Dr. Bharatan K K	Associate Professor, MES College Mambad	Association Inauguration	2013			
	Dr. K R Janardhanan	District coordinator, National green crops	To Take class	2013			
	Dr. T V Sajeev	Scientist, KFRI	National Science day Celebration	2014			
	Dr. C R Sivadasan	Sr. Scientist Retried, Spices Board	National Science day Celebration	2014			
	Dr. Joby Thomas K	Associate Professor, St. Thomas College, Thrissur	National Science day Celebration	2014			
	Dr. K R Janardhanan	District coordinator, National green crops	National Science day Celebration	2014			
	Dr. V. D. John	Associate Professor, Christ College, Irinjalakuda	Association Inauguration	2014			
25	Seminars/ Conferences/Workshops organized & the source of funding						
		Program	Source of funding	Fund received			
	a)National	1. National Seminar on Emerging trends in Biopharmaceuticals 2. National Seminar on frontiers in Green Chemistry	UGC UGC	135000 145000			
	b)International			Nil			
26	Student Profile programme/course wise						
	Name of the Course/ Programme	Applications received	Selected	Enrolled		Pass percentage	
				*M	*F		
	2010-11	UG	453	34	-	34	60
	2011-12		727	35	-	35	100
	2012-13		1223	36	-	36	65
	2013-14		Online	40	-	40	80
	2014-15		Online	45	-	45	NA
	2014-15	PG	103	12	-	12	NA



27	Diversity of Students					
	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad		
	2010-11	100	Nil	Nil		
	2011-12					
	2012-13					
	2013-14					
	2014-15					
	2014-15	PG	100	-	-	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.					
						- Nil
	Against % enrolled					
29	Student Progression	2009-10	2010-11	2011-12	2012-13	2013-14
	UG to PG	12	15	20	10	23
	Employed					
	Campus selection	-	-	-	-	-
	Other than campus recruitment	8	-	-	-	-
	Entrepreneurship/ Self-employment	-	-	-	-	-
30	Details of infrastructural facilities					
	Library	Books in the Department and College Library.				
	Internet facilities for Staff & Students	Free Internet and INFLIBNET facility available for staff and students.				
	Class rooms with ICT facility	1 Smart Classroom.				
	Laboratories/Museum	B.Sc Lab, M.Sc Lab Instrumentation room for post graduates and research work of staff. Heritage Museum.				
31	Number of students receiving financial assistance from college, university, government or other agencies					
	Year	Funding Agencies			No: of students	
	2010-2011	Govt. Stipends -SC			1	
		OEC			2	
		OBC			2	
		KPCR			8	



	2011-2012	SC	2
		OEC	1
		OBC	4
		KPCR	5
	2012-2013	SC	6
		OBC	2
		KPCR	14
	2013-2014	SC	3
		OEC	1
		KPCR	11
One time scholarship-TEACH, Trichur Educational And Charitable Hub,		3	

32 Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Year	Resource person	Program
2010-11	Rev. Fr. Paul Pottakkal C.M.I	Special Lecture
2010-11	Dr. C.R. Sivadasan, Rtd. Scientist, Spices Board, Cochin	Seminar on Career selection, Career opportunities and preparation of University Examinations
2010-11	Dr. Joby Thomas K, Associate Professor, Department of Chemistry, St. Thomas College, Thrissur	Intercollegiate seminar in connection with International Chemistry Year-2011 Photodynamic Therapy
2011-12	Dr. Joshy C. L, Associate Professor, St. Thomas College, Thrissur	Talk on -Time lines of chemistry
2011-12	Dr. C. K. K. Nair, PIMS, Thiruvalla	In connection with UGC sponsored National seminar, Talk on Screening of Phytochemicals for Anticancer Activity.
2011-12	Dr.K.S Nandakumar, Himalaya Drug Company, Banglore,	In connection with UGC sponsored National seminar ,Talk on Alternative to animal experimentation in Biopharmaceutical research
2011-12	Dr. Hari Kumar Madhavan, Environmental Assessment Division, Bhabha Atomic Research Centre	Talk on Nuclear Safety



2011-12	Dr. Joby Thomas K, Associate Professor, Department of Chemistry, St. Thomas College, Thrissur	Talk on Spectroscopy and its applications in varied fields.
2011-12	Sri. Roy Chacko, HRD Trainer and Motivator. Insight Avenu	Mind power workshop to II&III DC students
2011-12	Dr. K Ramadas, Oncologist, RCC, Thiruvananthapuram	A Talk on Cancer and Hereditary
2011-12	Smt. Nirmala Joseph, Retried Professor, English Department, St. Mary's College, Thrissur	A Talk on Crisis management
2011-12	Dr. K.R.Janardhanan, HOD(Rtd), Dept of Chemistry, NSS College, Nenmara	A talk on Sources of Energy & Pollution in connection with National Science Day celebration-2012
2012-13	Dr. Joby Thomas K, Associate Professor, Department of Chemistry, St. Thomas College, Thrissur	Talk on Pericyclic reactions
2012-13	Sr. Grace Thomas CMC	Orientation programme
2012-13	Dr. Joby Thomas K, Associate Professor, Department of Chemistry, St. Thomas College, Thrissur	A talk on Pericyclic reactions
2012-13	Dr. Santhosh Paul, Assistant Professor, SH college, Chalakkudy	Seminar on Nanochemistry
2012-13	Dr. C.R. Sivadasan, Rtd. Scientist, Spices Board, Cochin	Talk on Stress Management
2012-13	Dr. T. V. Sajeev Scientist, KFRI, Peechi	In connection with National Science Day celebration-2013, Talk on Genetically modified crops: why are we afraid?
2012-13	Dr. Manoj Mathew, St. Joseph College Calicut	Talk on Spectroscopy: an analytical tool
2012-13	Dr. P.A.Nazeem, KAU	Talk on Genetically modified crops and food security
2012-13	Dr. K.R.Janardhanan, HOD(Rtd), Dept of Chemistry, NSS College, Nenmara	Talk on Food security and biologically modified food



2013-14	Dr. C.R. Sivadasan, Rtd. Scientist, Spices Board, Cochin	Orientation classes for I DC students
2013-14	Sri K K Bharathan, Associate Professor, Dept. of Chemistry, MES College, Mambad	Seminar on Symmetry & Group theory
2013-14	Dr. C.R. Sivadasan, Rtd. Scientist, Spices Board, Cochin	Seminar on Career opportunities for science graduates
2013-14	Dr. K.R.Janardhanan, HOD(Rtd),Dept of Chemistry, NSS College, Nenmara	Special lecture on- Hundred years of Bohr atom model
2013-14	Smt. Thressiamma Thomas,(Rtd) Dept .of Chemistry, Vimala College, Thrissur	Special lecture on –Values
2013-14	Dr. T. V. Sajeev Scientist, KFRI, Peechi	Fostering Scientific Temper with Special Emphasis to Environment
2013-14	Dr. C. R. Sivadasan Sr, Scientist (Rtd.) Spices Board, Cochin	Scientific Temper in Indian Context
2013-14	Dr. Joby Thomas K, Associate Professor, Department of Chemistry, St. Thomas College, Thrissur	Fostering Scientific Temper with Special Emphasis on Education
2013-14	Dr. K.R.Janardhanan, District Coordinator, National Green Corps	Scientific temper in Daily Life
2013-14	Dr. V. D. John, Associate. Professor, Christ College, Irinjalakkuda	Nanochemistry
2014-15	Dr. E.D.Jemmis, Prof, IPC Dept, IISc Bangalore	In Connection with National Seminar 2014, a Talk on various aspects of Chemistry with special emphasis to Theoretical Chemistry and Boranes.
2014-15	Dr. C.V.Krishnan, Rtd Chemistry Prof. Stony Brook University, Newyork	In Connection with National Seminar 2014, a class on Water, the mysterious miracle liquid



	2014-15	Dr. R.Jayaraj, Scientist –B, KFRI , Peechi	In Connection with National Seminar 2014, Talk on the process of drug discovery and various strategies for screening natural products.
	2014-15	Dr.K.R.Dayas, Former Director, CIMET, Athani	In Connection with National Seminar 2014, Talk on Synthesis of graphene through green chemistry route and application of graphene and other allotropes of carbon
	2014-15	Dr. Lisa Sreejith, HOD, Dept. of Chemistry, NIT-C	In Connection with National Seminar 2014, A Talk on Plastics: a bliss or curse?
	2014-15	Dr. P. Raveendran, Dept. of Chemistry, Calicut University	In Connection with National Seminar 2014, A talk on principles of green chemistry
	2014-15	Dr. C.V.Krishnan, Rtd Chemistry Professor, Stony Brook University, Newyork	In connection with Chemistry Association inauguration, Talk on Chemistry & the value of being a Scientist
	2014-15	Dr. Joby Thomas K, Associate Professor, Department of Chemistry, St. Thomas College, Thrissur	A talk on Hammet equation -structural reactivity & correlation
	2014-15	Dr. Binu K, Assistant Professor, St. Mary's College, Thrissur	A talk on Woman empowerment
33	Teaching methods adopted to improve student learning		
<ul style="list-style-type: none">• Student projects• Notes• Special Coaching for Slow Learners• ICT Method• Continuous assessment• Home test• Seminars/Workshop• Peer Teaching• Remedial Teaching• Mentoring• OHP			



34	Participation in Institutional Social Responsibility (ISR) and Extension activities
<p>Many of our students are members of the following cells,</p> <ul style="list-style-type: none">• National Services Scheme (NSS)• Women Empowerment Cell (WEC)• NCC• Road Safety Club	
35	SWOC analysis of the department and Future plans
Strength	
<ul style="list-style-type: none">• Peaceful teaching environment and good infrastructure.• Well-equipped laboratories with qualified and dedicated staff• Striving for holistic growth of women students• Good student-faculty interaction	
Weakness	
<ul style="list-style-type: none">• Space constraint• Poor communication skill of students	
Opportunity	
<ul style="list-style-type: none">• Expand research facilities of the department by purchasing more sophisticated instruments	
Challenges	
<ul style="list-style-type: none">• To improve the student's skill (technical and Communication) to fulfill the expectation of employers	
Future Plans	
<ul style="list-style-type: none">• Conduct a National or International Seminar/Conference• Up gradation of Department as Research Centre• Undertake more projects	



Evaluative Report of the Department of Biotechnology

1	Name of the Department	Biotechnology		
2	Year of Establishment	2000		
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D, Integrated Masters; Integrated Ph.D, etc.)	<ul style="list-style-type: none"> • B.Sc Biotechnology • M.Sc Biotechnology 		
4	Names of Interdisciplinary courses and the departments/units involved	Name	Depts. involved	
		Open Course : Food Microbiology & Biotechnology	All Departments	
		Complementary course	Chemistry	
		Add On Course Bioinformatics	All Departments	
5	Annual/ semester/choice based credit system (programme wise)	B.Sc and M.Sc Biotechnology follow CCSS		
6	Participation of the department in the courses offered by other departments	Open Courses, Add On Courses		
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil		
8	Details of courses/Programmes discontinued (if any) with reasons	Nil		
9	Number of Teaching posts	Sanctioned	Filled	
		Regular	-	-
		Guest Faculty (regular/self-financed)	7(SF)	7(SF)



10	Faculty Profile							
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided		
	Rajitha K P	M.Sc, PGDCA	Guest Faculty	Environmental Biotechnology	5	Nil		
	Neethu R	M.Sc, NET	Guest Faculty	Molecular Biology	3	Nil		
	Krishna K Yathi	M.Sc	Guest Faculty	Immunology	7	Nil		
	Ann Mary Joseph	M.Sc	Guest Faculty	Genetic Engineering	5	Nil		
	Deepika V	M.Sc, M.Phil	Guest Faculty	Immunology, Cell Biology,	1	Nil		
	Broony Maria Tency	M.Tech	Guest Faculty	Microbiology	0.6	Nil		
	Neethu Paul	M.Sc, B.Ed	Guest Faculty Bioinfomatics	Bioinformatics	1	Nil		
11	List of Senior Visiting Faculty				Nil			
12	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty							
	Year		Percentages of classes					
			UG		PG			
	2010-11		100		100			
	2011-12		100		100			
	2012-13		100		100			
	2013-14		100		100			
	2014-15		100		100			
13	Student -Teacher Ratio (programme wise):		UG	B.Sc Biotechnology	25:1			
			PG	M.Sc Biotechnology	8:1			
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled:		Academic Support Staff		Sanctioned		Filled	
					Govt.	Mgmt.	Govt.	Mgmt.
			-	1	-	1		
			Administrative Staff		Nil			



15	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG					
	Name			Qualification		
	Rajitha K P			M.Sc Biotechnology, PGDCA		
	Neethu R			M.Sc Biotechnology, NET		
	Krishna K Yathi			M.Sc Biotechnology, (Ph.D thesis submitted)		
	Ann Mary Joseph			M.Sc Biotechnology		
	Deepika V			M.Sc Biotechnology, M.Phil		
	Broony Maria Tency			M.Tech Biotechnology		
	Neethu Paul (Bioinformatics)			M.Sc. Bioinformatics, B.Ed		
16	Number of faculty with ongoing projects				Nil	
17	Departmental projects funded by DSTFIST; UGC, DBT, ICSSR, etc. and total grants received:				Nil	
18	Research Centre /facility recognized by the University				Nil	
19	Publication details					
	Title	Journal	Vol.	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR
Krishna K Yathi						
	Recombinant CHIK virus E1 coat protein of 11KDa with antigenic domains for the detection of chikungunya	Journal of Immunological Methods	372	2011	International	2.2
	Determination of B cell epitopes and evaluation of antigen capture ELISA for the earlier diagnosis of CHIK virus using anti-rCHIK E1 rabbit antibodies	Journal of Immunological Methods	393	2013	International	2.2
	International Data Base					
	<ul style="list-style-type: none"> • Chikungunya virus coat protein (E1) gene, partial cds GenBank:JN038571.1 • Chinkungunya virus isolate INDKL 03 E1 coat protein gene ,partial cdsGenBank:KC814929.1 					



	Chapters in Books	Nil		
	Books Edited	Nil		
	Books Authored	Nil		
	Popular Articles	Nil		
	Resource Persons Or Sessions Chaired	Nil		
Papers in Seminars/Workshops/Conferences				
No	Title of the paper	National/ International/ Regional	Year	
Krishna K Yathi				
1	Efficacy of Antiserum of Recombinant antigen for the Rapid Detection of CHIK virus y Sandwich ELISA	National	2012	
2	Antigenic property of the recombinant protein expressed by E1 coat gene of Chikungunya	National	2011	
Deepika V				
1	Partial purification and characterization of chicken egg yolk antibodies against Proteus mirabilis	National	2012	
2	Purification and characterization of Cocus nuciferae peroxidase	National	2012	
Ann Mary Joseph				
1	Identification of mutations in tyrosine kinase domain of EGFR in Lung cancer	National	2011	
Neethu R				
1	Role of purified Red Cabbage anthocyanin pigment in plant defense mechanism, anti-oxidant property, anti-microbial property and application in DSSC	National	2014	
20	Areas of consultancy and income generated	Nil		
21	Faculty as members in National Committees, International Committees, Editorial Boards....	Nil		
22	Student Projects			
	Percentage of students who have done in-house projects including inter departmental / programme	Year	UG	PG
		2010-2011	100	-
		2011-2012	100	-
		2012-2013	100	-
		2013-2014	100	36.3
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies	2010-11	-	100
		2011-12	-	100
		2012-13	-	100
		2013-14	-	63.6



23 Awards/ Recognitions received by faculty and students					
	Name	Faculty/ Student	Awards/Recognition	Awarding Body	Year
	Jayaprabha S	Student	‘Manassu-Chilanka Puraskaram’	Manassu Sargavedhi.	2012
	Jayaprabha S	Student	Cultural Talent Search Scholarship Scheme 2005- Award of Scholarship	Central Government	2005 onwards
24 List of eminent academicians and scientists/ visitors to the department					
	Name	Designation		Context	Year
	Dr. T Ramanathan	Assistant Professor, Annamalai University, Chennai		Association Inauguration and Talk	2014
	Mr. Rajan Nair and Ms. Chitra	Counselors of Indian Medical Association (IMA)		Blood Donation Camp	2014
	Smt. Rose	ICTC Counselor, Thrissur district Hospital		AIDS Day	2013
	Dr. Manish Kumar V R	HOD Biotechnology Department, Calicut University		Association Inauguration and Talk	2013
	Dr. Jose Padikkala	Scientist, Amala Cancer Center		Association Inauguration and Talk	2012
	Dr. Elyas .K.K	Chairman, Dept. of Biotechnology, Calicut University		Association Inauguration and Talk	2011
	Dr. Joseph Mathew	Kerala Agricultural University		Invited Talk	2011
	Dr. Sheela	Special Officer, Oushadhi, Thrissur		Invited Talk	2011
	E Raghunandhanan	Haemophilia Society		Blood Donation Camp	2010
	Dr. Gokul Das	Retd. Professor of Zoology, Sreekrishna College, Guruvayoor		Blood Donation Camp	2010
	Dr. S Nandakumaran Thampi,	Ex. Chairman Board of Studies Biochemistry, Calicut University		Association Inauguration and Talk	2010
25 Seminars/ Conferences/Workshops organized & the source of funding					
	a)National				Nil
	b)International				Nil



26 Student Profile programme/course wise						
Name of the Course/ programme		Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2010-11	UG	598	36	-	36	94.11
2011-12		620	36	-	36	97.14
2012-13		752	36	-	36	100
2013-14		Online	36	-	36	100
2014-15		Online	36	-	36	-
2010-11	PG	34	12	-	12	100
2011-12		Online	6	-	6	100
2012-13		42	12	-	12	100
2013-14		39	12	-	12	100
2014-15		Entrance	10	-	10	-
27 Diversity of Students						
Name of the Course		% of students from the same State	% of students from other States	% of students from abroad		
2010-11	UG	97	3	-		
2011-12		100	-	-		
2012-13		100	-	-		
2013-14		100	-	-		
2014-15		100	-	-		
2010-11	PG	100	-	-		
2011-12		100	-	-		
2012-13		100	-	-		
2013-14		100	-	-		
2014-15		100	-	-		
28 How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.						
Year		Exam passed		No. of students		
2012-13		UGC-NET		1		
2013-14		UGC-NET & JRF		2		
2014-15		DST-INSPIRE		1		



		Against % enrolled				
29	Student progression	2009-10	2010-11	2011-12	2012-13	2013-14
	UG to PG	85.29	64.70	68.57	84.84	82.35
	PG to M.Phil.	-	-	-	-	-
	PG to Ph.D.	-	9.09	-	-	-
	Ph.D.to Post-Doctoral	-	-	-	-	-
	Employed					
	Campus Selection	-	2.22	-	-	-
	Other than Campus recruitment	-	8.88	8.51	2.56	2.17
	Entrepreneurship/ Self-employment	-	-	-	-	-
30	Details of infrastructural facilities					
	Library	Books in the Department and College Library.				
	Internet facilities for Staff & Students	Free Internet and INFLIBNET facility available for staff and students.				
	Class rooms with ICT facility	1 Smart Classroom.				
	Laboratories/Museum	2 well equipped labs for UG and PG				
31	Number of students receiving financial assistance from college, university, government or other agencies					
	Year	Funding Agencies			No: of students	
	2010-2011	Government	Muslim girls Scholarship	1		
			Post matric Scholarship	2		
			Suvarna Jubilee scholarship	1		
			Lumpsum grant for Lakshadweep students	1		
			SC-ST Stipends	1		
	2011-2012	Government	Muslim girls Scholarship	1		
			Post matric Scholarship	2		
			Lumpsum grant for Lakshadweep students	1		
			SC-ST Stipends	1		
			Cultural Talent search Scholarship	1		
	2012-2013	Government	Post matric Scholarship	2		
			SC-ST Stipends	1		
			Cultural Talent search Scholarship	1		



	2013-2014	Government	SC-ST Stipends	1
			Cultural Talent search Scholarship	1
	2014-2015	Government	SC-ST Stipends	1
			OEC stipends	1
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts			
	Year	Resource person	Programme	
	2014	Dr. T Ramanathan	Talk on Bioprospecting of Marine Bioresources with special reference to Coastal Flora	
		Mr. Rajan Nair and Ms. Chitra	Talk on Anaemia and its related disorders	
	2013	Smt. Rose	Aids Awareness talk	
		Dr. Manish Kumar V R	Talk on DNA-Past and Present	
	2012	Dr. Jose Padikkala	Talk on Secondary metabolites from plants	
	2011	Dr. Elyas .K.K	Talk on Enzymology	
		Dr. Joseph Mathew	Talk on Biotechnology	
		Dr. Sheela Karalam M	Talk on “Ayurveda and Biotechnology”, Oushadhi	
	2010	Mr. E Raghunandhanan	Talk on Biotechnology	
		Dr. Gokul Das	Talk on Haemophilia and Other Bleeding Disorders	
		Dr. S Nandakumaran Thampi,	Talk on Introduction to Enzymology	
	33	Teaching methods adopted to improve student learning		
<ul style="list-style-type: none"> • Power point aided teaching • Regular internal exams for evaluation • Assignments & Seminars • Peer teaching • Remedial teaching • Industrial visits • Journal presentations 				
34	Participation in Institutional Social Responsibility (ISR) and Extension activities			
<ul style="list-style-type: none"> • IMA Blood Donation Camps • Water Analysis • Participation of students in outreach programmes of the college • Active participation in NSS 				



35	SWOC analysis of the department and Future plans
Strength	
<ul style="list-style-type: none">• Well-equipped lab facility• Dedicated faculty having both research and teaching experience• Exposure of PG students to research field during their project work	
Weakness	
<ul style="list-style-type: none">• Less number of research institutions in the state in comparison to other states• Self-financing Course	
Opportunity	
<ul style="list-style-type: none">• Placement in Biotechnology Companies• Research and Teaching	
Challenges	
<ul style="list-style-type: none">• Lack of sophisticated instruments	
Future Plans	
<ul style="list-style-type: none">• Organise UGC sponsored National/International Seminars, Workshops etc• Research oriented programme to be conducted regularly for PG students• Workshops for +2 students of various schools to make Biotechnology subject familiar at school level• Talk by alumnae about scope and career opportunities• Active Participation of Staff and Students with paper/poster presentation in National and International Seminars• Continue the Best Practices like Blood Donation, Mini Projects etc in an enhanced way and introduce more innovative programmes• Linkage with reputed institutes and organisations for talks on current events and discoveries in the field of biotechnology	



Evaluative Report of the Department of Microbiology

1	Name of the Department	Microbiology		
2	Year of Establishment	2001		
3	Names of Programs / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	<ul style="list-style-type: none"> • BSc Microbiology (Regular) • MSc Microbiology (Self Financing) 		
4	Names of Interdisciplinary courses and the departments/units involved	Name	Depts. involved	
		Open Course : Environmental Microbiology	All Departments	
		Complementary course	Biochemistry Biostatistics and Computer Applications	
5	Annual/ semester/choice based credit system (programme wise)	B.Sc. and M.Sc. Microbiology follow CCSS		
6	Participation of the department in the courses offered by other departments	Open course of other departments.		
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil		
8	Details of courses/programs discontinued (if any) with reasons	Nil		
9	Number of Teaching posts		Sanctioned	Filled
		Regular	3	3
		Guest Faculty (regular/self-financed)	3(SF)	3(SF)



10	Faculty profile					
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Dr. Meera CR	M.Sc, Ph.D	Assistant Professor, HOD	Cancer Biology, Mushroom metabolites	5	Nil
	Dr. Dhanya K C	M.Sc, NET, JRF, Ph.D	Assistant Professor	Nanotechnology, Cancer Biology	4	Nil
	Dr.Mabel Merlen Jacob	M.Sc, NET, JRF, Ph.D	Assistant Professor	Microbial Metabolites, Microbial Enzyme Technology	3	Nil
	Elizabeth P Thomas	M.Sc	Guest Faculty	Microbial Bioremediation,	3	Nil
	Ruveena T N	M.Sc, M.Phil	Guest Faculty	Phytochemicals, Antioxidants	5	Nil
	Geenat Paul	M.Sc	Guest Faculty	Soil Microbiology, Antimicrobial Activity	3	Nil
11	List of Senior Visiting Faculty		Nil			
12	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty					
	Year		Percentages of classes			
			UG		PG	
	2010-11		17		100	
	2011-12		17		100	
	2012-13		17		100	
	2013-14		17		100	
	2014-15		17		100	
13	Student -Teacher Ratio (programme wise):		UG	B.Sc. Microbiology	27:1	
			PG	M.Sc Microbiology	12:1	



14	Number of academic support staff (technical) and administrative staff; sanctioned and filled:	Academic Support Staff	Sanctioned		Filled		
			Govt.	Mgmt.	Govt.	Mgmt.	
		Administrative Staff	1	-	1	-	Nil
15	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG						
	Name	Qualification					
	Dr. Meera CR	M.Sc, Ph.D					
	Dr.Dhanya KC	M.Sc, NET, JRF, Ph.D					
	Dr.Mabel Merlen Jacob	M.Sc, NET, JRF, Ph.D					
	Elizabeth. P. Thomas	M.Sc					
	Ruveena TN	M.Sc, M Phil					
	Geenat Paul	M.Sc					
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	Name of the PI	Details of the grant				
			Funding agency	Grant Sanctioned			
		3 (UGC Minor projects)	Dr. Meera CR	UGC (ongoing)	100000		
			Dr. Dhanya KC	UGC (ongoing)	200000		
		Dr. Mabel Merlen Jacob	UGC (ongoing)	200000			
17	Departmental projects funded by DSTFIST; UGC, DBT, ICSSR, etc. and total grants received:	Nil					
18	Research Centre /facility recognized by the University	Nil					



19	Publication details					
	Title	Journal	Vol	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR
Dr. Meera C R						
	Mushrooms in the prevention and treatment of cancer	Vimala International Research Journal for Pure and Applied sciences, 82-89.	1	2013	International	-
	Antitumor activity of a polysaccharide-protein complex isolated from a wood-rotting polypore macrofungus <i>Phellinus rimosus</i> (Berk) Pilat.	Journal of Environmental Pathology, Toxicology and Oncology, 223-232.	31(3)	2012	International	1.1
	Study on the phytochemical, antimicrobial and anti-oxidant activities of <i>Lantana camara</i> .	Annals of Basic and Applied Sciences	2	2011	National	-
	Antimicrobial and anti-oxidant activities of polysaccharides isolated from an edible mushroom, <i>Pleurotus florida</i> .	Advanced Biotech	10	2010	National	-
	Extracellular polysaccharides isolated from <i>Saccharomyces cerevisiae</i> inhibit acute and chronic inflammations.	Annals of Basic and Applied Sciences	1	2010	National	-



Dr. Dhanya K C						
Antibacterial and antigenotoxic activities of silver nanoparticles	Vimala International Research Journal for Pure and Applied sciences	1	2013	International		
Radiation Protection by Nanosilver-Glycyrrhizic Acid Complex Prepared by Green Nanotechnology.	Research Journal of Nanoscience and Nanotechnology	3	2013	International		
Studies on Silver Nanoparticle-Glycyrrhizic acid Complex as a Radioprotector and an Adjuvant in Radiotherapy Under in vivo Conditions	Cancer Biotherapy and Radiopharmaceuticals	10	2012	International		1/1.381/43
Radiotherapeutic Potential of the Extracts of Andrographis paniculata and Swertia chirayita,	Journal of Pharmacology and Toxicology	7	2012	International		0/0/9
Studies on the prodigiosin production by Serratiamarcescens obtained as a lab isolate	Annals of Basic and Applied Sciences	3	2012	National		0/0/0
Nanomedicine in radiation protection	Pushpagiri Medical Journal	3	2012	National		0/0/0
Hepatoprotective Activity of Andrographis paniculata and Swertia chirayita	Food and chemical toxicology	49	2011	International		19/3.210/100



Cellular radioprotecting potential of silver nanoparticle - glycyrrhizic acid complex	Mutation Research; Genetic Toxicology and Environmental Mutagenesis	723	2011	International	4/2.716/80
Synthesis of nanosilver using a vitamin c derivative and studies on radiation protection	Cancer Biotherapy and Radiopharmaceuticals	26	2011	International	10/1.381/43
Nanobiotechnology: Relevance in microbiology	Annals of Basic and Applied Sciences	2	2011	National	0/0/0
Complexes of gold nanoparticle with Sesamol and Glycyrrhizic acid: Studies in vitro on antioxidant activity and radioprotection	Amala Research Bulletin	30	2010	National	0/0/0
Protection from hemopoietic damage by Silver nanoparticle – Glycyrrhizic Acid in mice exposed to whole body gamma radiation	Journal of Advanced Biotechnology	10	2010	National	0/0/0
Effect of glycyrrhizic acid – silver nanoparticle complex on repair of whole body radiation induced cellular DNA damage and genomic instability in mice	International Journal of low radiation	6	2010	International	6/0/8



Dr. Mabel Merlen Jacob						
	Skin microbiota: Friends or foes?	Vimala International Research Journal for Pure and Applied sciences, 82-89.	1	2013	International	0/0/0
	Microbial transglutaminase production by Streptomyces griseocarneus MTCC 328 and optimization of nutritional parameters by response surface methodological approach	International Journal of Universal Pharmacy and Life Sciences 64-78	2	2012	International	1.893
	Solid state bioconversion of agricultural by-products: Production of transglutaminase by Streptovercillium ladakanum NRRL-3191	JSSCM Journal	1	2012	National	-
Elizabeth P Thomas						
	Shelf life study with special references to principles of microbiology	Annals of Basic and Applied Sciences	2	2011	National	0/0/0
	Bacteriologic potability analysis of drinking water samples from various sources	Annals of Basic and Applied Sciences	3	2012	National	0/0/0



Ruveena T N						
	Exploring antimicrobial and antioxidant activity of a traditional herbal medicine, <i>Cynodon dactylon</i> L Pres. and Its phytochemical screening.	World journal of pharmacy and pharmaceutical sciences.	1	2014	International	2.56
	Preliminary phytochemical screening and antioxidant properties of <i>Centella asiatica</i>	International Journal of Universal Pharmacy and Life Sciences	3 (3)	2013	International	-
	Evaluation of antimicrobial activity of the seed essential oil and leaf extracts of <i>Alpinia galanga</i> (L) wild	Asian Journal of Biochemical & Pharmaceutical Research	1	2011	International	2.56
	Study on the phytochemical antimicrobial and antioxidant activities of <i>Lantana camara</i> .	Annals of Basic and Applied Sciences	2	2011	National	-
	Evaluation of antimicrobial activity of <i>Trichosanthes cucumerina</i> L. and <i>Cassia didymobotrya</i> Fres. Leaves.	International journal of pharmacy and pharmaceutical Sciences	2	2010	International	1.59
	Antimicrobial and antioxidant activities of polysaccharides isolated from an edible mushroom, <i>Pleurotus florida</i> .	Advanced Biotech	10	2010	National	-
	A study on partial characterization of Lindane degrading Lin A gene product from <i>Bacillus</i> Sp.	Annals of Basic and Applied Sciences	1	2010	National	-



Geenat Paul						
	Isolation of microbes from hard surfaces (Key board and mouse, coins, telephone, currencies)	Annals of Basics and Applied Sciences	3	2012	National	-
International Data Base						Nil
Chapters in Books						Nil
Books Edited						Nil
Books Authored						
	Name	Title	Co-authors	Chapters	Publishers	ISBN/ISSN
	Dr. Meera CR	Medicinal properties of the edible mushroom Pleurotus florida- Antimicrobial and anti-oxidant activities	-	-	LAP LAMBERT Academic publishers	ISBN 97836591 99912
	Dr. Mabel Merlen Jacob	Handbook of Analysis of Active Compounds in Functional Foods	Prapulla S G	Fructans including Inulin	CRC Press	ISBN 97814398 15885
Popular Articles						Nil
Resource Persons Or Sessions Chaired						
	Name	Title	Venue			
	Dr. Meera CR	Introduction to Microbiology	St. Paul's Public School Exhibition of Creative Talents (SPECT 2010) on 19-11-2010			
	Dr. Meera CR	Spirulina – The best natural food	Sampoorna Aragoya Seminar at Jawahar Balabhavan Thrissur on 08-08-2010.			
Papers in Seminars/Workshops/Conferences						
No	Title of the paper				National/ International/ Regional	Year
Dr. Meera C R						
1	A Study On The Antimicrobial And Antioxidant properties Of The Wood Rotting Mushroom, Ganoderma Lucidum				National	2014



2	Biological properties of the ethanolic extract from the edible mushroom, <i>Pleurotus sajor-caju</i> .	National	2013
3	Biological properties of β -D-(1-6) glucan from the macrofungus <i>Phellinusrimosus</i> (Berk) Pilat.	National	2013
4	Antineoplastic properties of polysaccharides from <i>Phellinus</i> species with special emphasis to <i>Phellinusrimosus</i> (Berk) Pilat.	National	2013
5	Anticancer activity of a polysaccharide-protein complex isolated from the parasitic mushroom <i>Phellinusrimosus</i> (Berk) Pilat.	National	2012
6	Antimicrobial, anti-oxidant and antigenotoxic activities of microalgae <i>Spirulina</i> .	National	2011
7	Antioxidant, anti-proliferative and apoptotic activity of a polysaccharide-protein complex isolated from the mushroom <i>Phellinusrimosus</i> (Berk) Pilat.	International	2010
Dr. Dhanya KC			
1	Microbial, Enzymatic and Biochemical Profiles of Ayurvedic Fermentation: Study on Ashokarishta	National	2014
2	Microbial, enzymatic and biochemical profile of ayurvedic fermentation: study on Kanakasava	National	2014
3	Screening of soil bacteria and optimization of culture conditions for bioplastic production	National	2014
4	Amelioration of Captan Induced Toxicity in Guppy (<i>PoeciliaReticulata</i>) by Ethanolic Extracts of <i>PhyllanthusEmblica</i> and <i>Curcuma Longa</i>	National	2014
5	Genoprotective Activity of <i>Curcuma longa</i> and <i>Phyllanthusemblica</i> against a commercially available Fungicide Captan	National	2013
6	Effect of Silver Nanoparticle - Phytochemical Complex on Gamma Radiation Induced Cellular DNA Damage and Repair, In Vivo	National	2013
7	Effect of Silver Nanoparticle - Glycyrrhizic Acid Complexes in Ameliorating Drug Induced Oxidative Stress	International	2013
8	Targeted drug delivery to tumour using Fe ₃ O ₄ nanoparticles: Preclinical studies, International Conference on Cancer Prevention, Diagnosis & Treatment	International	2012
9	Silver nanoparticle - glycyrrhizic acid complex: prospects as an adjuvant in radiotherapy, International Conference on Emerging Frontiers & Challenges in Radiation Biology	International	2012
10	Comparative hepatoprotective activity and activity guided isolation of <i>Andrographispaniculata</i> and <i>Swertiachirayita</i> ,	National	2011
11	Preparation of and radioprotection by silver nanoparticle-glycyrrhizic acid complex	National	2011
12	Radiation protection by silver nanoparticle-glycyrrhizic acid complex	National	2011



13	Protection from hemopoetic damage by silver nanoparticle-glycyrrhizic acid complex in mice exposed to whole body gamma-radiation.	International	2010
14	Targeted drug delivery to tumour using magnetic nanoparticles: Preclinical studies with Fe ₃ O ₄ – doxorubicin nanoparticles	International	2010
15	Studies on radiation protection by silver nanoparticle complexes of palmitoyl ascorbic acid 2-glucoside.	International	2010
Dr. Mabel Merlen Jacob			
1	A novel protease producing Bacillus strain from detergent contaminated soil	National	2014
2	Phytochemical Profiling with Antioxidant and Antimicrobial evaluation of Murraya koenigii leaf extracts	National	2014
3	Evaluation of phytochemical, antimicrobial and antioxidant activities of methanolic leaf extracts of Averrhoa bilimbi and Averrhoa carambola	National	2014
4	Study on the effect of selected variables on siderophore production by Aspergillus niger	National	2014
5	Study on the prevalence of siderophore production in selected bacterial and fungal isolates	National	2014
Elizabeth P Thomas			
1	Isolation and characterization of oil degrading bacteria	National	2013
2	Study on indigenous oil degrading bacteria from various sources	National	2014
Ruveena T N			
1	Evaluation of antimicrobial and antioxidant potential of ethanolic and chloroformic extracts of Biophytum sensitivum	National	2014
2	Effect of fatty acid and carbon source on the growth of Malassezia furfur and its control by using plant extracts	National	2014
3	Evaluation of antimicrobial and antioxidant potential of ethanolic, chloroformic and aqueous extracts of Biophytum sensitivum	National	2014
Geenat Paul			
1	Isolation of microbes from hard surfaces (Key board and mouse, telephone, coins, currencies)	National	2014
2	Effect of fatty acid and carbon source on the growth of Malassezia furfur and its control by using plant extracts	National	2014
20	Areas of consultancy and income generated		
	<ol style="list-style-type: none"> 1. Antibacterial assays 2. Antifungal assays 3. Antioxidant assays 4. Water quality analysis 5. Pure cultures of bacteria and fungus 6. Identification of unknown bacterial samples 		



21	Faculty as members in				
	National committees/ Other Committees				
	Name	Position	Committee	Year	
	Dr. Mabel Merlen Jacob	Subject Expert	Selection of Assistant professors in Microbiology, S N College, Cherthala	2014	
	Dr. Mabel Merlen Jacob	Inspection Commission Member	Committee for granting provincial affiliation to M.Sc. Microbiology, Majlis Arts and Science College	2014	
	International Committees			Nil	
	Editorial Boards....				
	Name	Position	Committee	Year	
	Dr. Meera CR	Editorial Board member	Annals of Basic and Applied Sciences (College Journal)	2010 – till date	
	Dr. Dhanya KC	Editorial Board member	Annals of Basic and Applied Sciences (College Journal)	2010 – till date	
		Member	Environmental mutagen society of India	2012 onwards	
	Dr. Mabel Merlen Jacob	Editorial Board member	Annals of Basic and Applied Sciences (College Journal)	2010 – till date	
22	Student Projects				
	Percentage of students who have done in-house projects including inter departmental / programme	Year	UG	PG	
		2010-11	100	67	
		2011-12	100	16	
		2012-13	100	50	
		2013-14	100	100	
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies	2010-11	-	33	
		2011-12	-	84	
		2012-13	-	20	
		2013-14	-	100	
23	Awards/ Recognitions received by faculty and students				
	Name	Faculty/ Student	Awards/ Recognition	Awarding Body	Year
	Dr. Mabel Merlen Jacob and Hidaya Ummer	Faculty & Student	Best Poster Award	UGC sponsored National seminar on Microbes for Green Environment	2014



	Dr.Meera CR and Nisha N	Faculty & Student	Best Poster Award	UGC sponsored National seminar on Basic and Advanced Biochemical Techniques Relevance in Interdisciplinary research Scenario held at BK College, Amalagiry, Kottayam	2013
	Dr. Meera CR	Faculty	Best poster award	National symposium on medicinal mushrooms at Amala Cancer Research Centre, Thrissur	2013
	Dr. Dhanya KC	Faculty	Ph.D	MG University	2013
	Dr. Mabel Merlen Jacob	Faculty	Ph.D	Mysore University	2013
	Dr. Dhanya KC	Faculty	Best poster award	Indian Society for Radiation Biology (ISRB) & Centre for Advanced Study, Department of Zoology, University of Rajasthan, Jaipur (India)	2012
	Dr. Meera CR	Faculty	Second best poster award	Society for free radical research, India	2010
	Dr. Meera CR	Faculty	Ph.D	MG University	2010
24	List of eminent academicians and scientists/ visitors to the department				
	Name	Designation		Context	Year
	Dr.K.K. Janardhanan Ph D	Professor and Head, Department of Microbiology, Amala Cancer Research Centre, Thrissur		Microbiology Association Inauguration	2010
	Dr. CKK Nair	Professor and head, Dept. of radiation Biology, Amala Cancer Research Centre (formerly Scientist H, Bhabha Atomic Research Centre, Mumbai)		Invited Talk	2011
	Dr.D.Girija	Professor, Department of Agricultural Microbiology, College of Horticulture, Kerala Agricultural University, Vellanikkara		Microbiology Association Inauguration	2011
	Dr K.S Nandakumar	Scientist, Himalaya Drug Company, Bangalore		UGC sponsored National seminar on “Emerging trends in Biopharmaceuticals	2011



Dr Dipshikha Chakrovortty	Associate Professor, IISc Bangalore	UGC sponsored National seminar on “Emerging trends in Biopharmaceuticals	2011
Dr . Moinak Banerjee	Scientist, RGCB, Thiruvananthapuram	UGC sponsored National seminar on “Emerging trends in Biopharmaceuticals	2011
Dr. C.K.K Nair	Dean, Pushpagiri Research Centre, Thiruvallla,	UGC sponsored National seminar on “Emerging trends in Biopharmaceuticals	2011
Dr. Sheela Karalam	Special Officer (R&D), Oushadhi, Thrissur	UGC sponsored National seminar on “Emerging trends in Biopharmaceuticals	2011
Dr. Joby Thomas	Associate Professor, Department of Chemistry, St. Thomas College, Thrissur	UGC sponsored National seminar on “Emerging trends in Biopharmaceuticals	2011
Dr. C. D. Varghese	Associate Professor, St. Thomas' College, Thrissur	Invited Talk	2012
Dr. Denoj Sebastian	Assistant Professor, Department of Microbiology, Calicut University	Microbiology Association Inauguration	2012
Dr. N. Anandavally	UNFAO consultant	3 day training programme on Hazard Analysis and Critical Control Point (HACCP)	2012
Dr. Sheela Karlam	Special Officer, Oushadhi, Thrissur	Microbiology Association Inauguration	2013
Mrs. Sobha Menon	Vice Principal, ChinmayaVidhyaMandir, Kolazhy, Trichur	Invited Talk	2013
Dr VP Gangadharan	Senior Consultant and Oncologist, Division of Oncology, Lakeshore Hospital, Cochin	Invited Talk in relation with “Cancer Awareness week”	2014
Sri N.N.Gokul Das	Retired Professor, Sreekrishna College, Guruvayoor	Invited Talk	2014



	Prof. Dr. D J Bagyaraj	Chairman, Centre for Natural Biological Resources & Community Development, Bangalore, Karnataka	UGC sponsored National Seminar on Microbes for Green Environment	2014
	Dr. Sumi Mary George	Assistant Professor, Dept. of Microbiology, SreeSankara College, Kaladi, Ernakulam	UGC sponsored National Seminar on Microbes for Green Environment	2014
	Dr. A A Mohammed Hatha	Associate Professor, Dept. of Marine Biology, Microbiology & Biochemistry, CUSAT, Ernakulam	UGC sponsored National Seminar on Microbes for Green Environment	2014
	Dr. Radhakrishnan E K	Assistant Professor, Dept. of Microbiology, School of Biosciences, M G University, Kottayam	UGC sponsored National Seminar on Microbes for Green Environment	2014
	Dr. Binod Parameswaran	Scientist, Division of Biotechnology, NIIST (CSIR), Trivandrum	UGC sponsored National Seminar on Microbes for Green Environment	2014
	Mr. Gopinathan C	Associate Professor, Dept. of Biotechnology, University of Calicut, Thenjippalam, Malappuram	UGC sponsored National Seminar on Microbes for Green Environment	2014
25	Seminars/ Conferences/Workshops organized & the source of funding			
		Program	Source of funding	Fund received
	a)National	1. 2 Day UGC Sponsored National Seminar on 'Emerging Trends in Biopharmaceuticals' on August 26-27, 2011 by Department of Microbiology in association with Polymer Chemistry and Biotechnology. 2. 2 Day UGC Sponsored National Seminar on 'Microbes for Green Environment' on September 26-27, 2014 by Department of Microbiology in association with Department of Biochemistry.	UGC	135000
			UGC	120000
	b)International			Nil



26 Student Profile programme/course wise							
	Name of the Course/ Programme		Applications received	Selected	Enrolled		Pass percentage
					*M	*F	
	2010-11	UG	685	36	-	36	100
	2011-12		1010	36	-	36	100
	2012-13		1021	36	-	36	97.1
	2013-14		Online	36	-	36	97.1
	2014-15		Online	36	-	36	-
	2010-11	PG	27	12	-	12	100
	2011-12		Online	11	-	11	100
	2012-13		33	12	-	12	100
2013-14	37		12	-	12	100	
27 Diversity of Students							
	Name of the Course		% of students from the same State	% of students from other States	% of students from abroad		
	2010-11	UG	100	-	-		
	2011-12		100	-	-		
	2012-13		97.14	2.86	-		
	2013-14		97.22	2.78	-		
	2014-15		100	-	-		
	2010-11	PG	100	-	-		
	2011-12		100	-	-		
	2012-13		100	-	-		
	2013-14		100	-	-		
	2014-15		100	-	-		
28 How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.							
	Year	Exam Passed		No. of Students			
	2010-2011	NET/JRF		2			
	2011-2012	NET		1			
	Against % enrolled						
29	Student progression	2009-10	2010-11	2011-12	2012-13	2013-14	
	UG to PG	75	58.3	73.52	64.70	71.41	
	PG to M.Phil.	8.33	-	-	-	-	
	PG to Ph.D.	-	-	-	-	-	



	Employed					
	Campus Selection	-	-	-	11.42	16.12
	Other than Campus recruitment					
	Entrepreneurship/Self-employment	-	-	-	-	-
30	Details of infrastructural facilities					
	Library	Books in the Department and College Library.				
	Internet facilities for Staff & Students	Free Internet and INFLIBNET facility available for staff and students.				
	Class rooms with ICT facility	1 Smart Classroom.				
	Laboratories/Museum	B.Sc Lab, M. Sc Lab Instrumentation room for post graduates and research work of staff.				
31	Number of students receiving financial assistance from college, university, government or other agencies					
	Year	Funding Agencies			No: of students	
	2010-2011	Government	SC	3		
			OEC	3		
			OBC	2		
			KPCR	6		
			Post Matric	9		
			Central Sector	1		
	College	Freeship	6			
	2011-2012	Government	SC	5		
			OBC	3		
			KPCR	9		
			Muslim Girls	3		
	College	Freeship	6			
	2012-2013	Government	Post Matric	1		
			Hindi Scholarship	1		
			Suvarna Jubilee Merit Scholarship	1		
			SC	3		
			OBC	6		
			KPCR	8		
			College	Freeship	6	



	2013-2014	Government	Central Sector	1
			C H Muhamed Koya Scholarship	1
			Hindi Scholarship	1
			e Grants	4
			OBC Concession	5
			SC	13
			ST Fee Concession	1
			KPCR	12
	College	Freeship	6	
	2013-2015	Government	OBC Concession	3
			SC	11
ST Fee Concession			1	
KPCR			8	
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts			
	Year	Resource person	Program	
	2010	Dr. K.K. Janardhanan, Ph D, Professor and Head, Department of Microbiology, Amala Cancer Research Centre, Thrissur.	A talk on “Medicinal mushrooms in the prevention and treatment of Cancer.”	
	2011	Dr. CKK Nair, Professor and head, Dept. of Radiation Biology	A talk on ‘Nanotechnology in biology and Medicine’	
	2010	Mr Jose, Credai Clean City Project, Ernakulam.	Demonstration class on solid waste management	
	2011	Dr K.S Nandakumar, Scientist, Himalaya Drug Company, Bangalore Dr Dipshikha Chakrovortty, Associate Professor, IISc Bangalore Dr Moinak Banerjee, Scientist, RGCB, Thiruvananthapuram Dr. C.K.K Nair, Dean, Pushpagiri Research Centre, Thiruvallla Dr. Sheela Karalam, Special Officer (R&D), Oushadhi, Thrissur Dr. Joby Thomas, Associate Professor, Department of Chemistry, St. Thomas College, Thrissur	UGC sponsored National seminar “Emerging trends in Biopharmaceuticals” in collaboration with the Departments of Polymer chemistry and Biotechnology	



2012	Dr. Denoj Sebastian, Assistant Professor, Department of Microbiology, Calicut University	A talk on ““Microbial bioremediation Technology.”
2012	Dr. N. Anandavally, UNFAO consultant	Hazard Analysis and Critical Control Point (HACCP) Concepts
2013	Dr. Sheela Karlam, Special Officer, Oushadhi, Thrissur	A talk on “Relevance of Microbiology in Ayurveda”.
2013	Mrs. Sobha Menon, Vice Principal, Chinmaya Vidhya Mandir, Kolazhy, Trichur	A talk on “Soft Skill Development”
2014	Dr VP Gangadharan, Senior Consultant and Oncologist, Division of Oncology, Lakeshore Hospital, Cochin	A talk on “General Awareness of Cancer.”
2014	Sri N.N.Gokul Das Retired Professor, Sreekrishna College, Guruvayoor	A talk on “Cancer And Microbes”.
2014	<p>Prof. Dr. D J Bagyaraj, Chairman, Centre for Natural Biological Resources & Community Development, Bangalore</p> <p>Dr. Sumi Mary George, Assistant Professor, SreeSankara College, Kalady</p> <p>Dr. A A Mohammed Hatha, Associate Professor, Dept. of Marine Biology, Microbiology & Biochemistry, CUSAT, Ernakulam</p> <p>Dr. Radhakrishnan E K, Assistant Professor, Dept. of Microbiology, School of Biosciences, M G University, Kottayam</p> <p>Dr. Binod Parameswaran, Scientist, Division of Biotechnology, NIIST (CSIR), Trivandrum</p> <p>Mr. Gopinathan C, Associate Professor, Dept. of Biotechnology, University of Calicut, Thenjippalam</p>	<p>UGC sponsored National Seminar “Microbes for Green Environment” in association with Department of Biochemistry</p>



33	Teaching methods adopted to improve student learning
	<ul style="list-style-type: none">• ICT enabled Teaching• Peer teaching• Remedial teaching• Bridge Course• Industrial visits• Invited talks by eminent academicians and other personalities• Journal presentations and group discussions• General awareness sessions
34	Participation in Institutional Social Responsibility (ISR) and Extension activities
	<ul style="list-style-type: none">• Exhibition on “Awareness on Monsoon Diseases” was conducted by the department on 02-07-2013• U G and P G students of our department conducted an Awareness programme on Monsoon Diseases-Its prevention and Treatment” at Sacred Heart Higher Secondary School, Thrissur on 02-07-2013• Exhibition on “Awareness on Cancer” was conducted by the department on 31-01-2014• Active membership and participation of students in NCC and NSS• Extension activities like water quality analysis provided
35	SWOC analysis of the department and Future plans
	Strength
	<ul style="list-style-type: none">• Faculty with good research aptitude.• Support from management• Good Lab infrastructure• Good working ambience• One and only college having BSc Microbiology in Thrissur
	Weakness
	<ul style="list-style-type: none">• Space constraint
	Opportunity
	<ul style="list-style-type: none">• Research oriented Course• Department provides high quality training for moulding UG and PG students towards research• Department offers service to the society through Training and awareness classes, by offering microbiological analysis of food and water samples• Consultancy services for research scholars



Challenges
<ul style="list-style-type: none">• To inculcate in students an aptitude towards research• To establish collaborations with research institutes• To cater to the changing needs of the society and provide extension activities
Future plans
<ul style="list-style-type: none">• Regularisation of M.Sc• Upgradation as research center• Applying for major projects• Applying for Research Guideship



Evaluative Report of the Department of Computer Science and Applications

1	Name of the Department	Computer Science and Applications		
2	Year of Establishment	2001		
3	Names of Programs / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	<ul style="list-style-type: none"> • Bachelor of Computer Applications (BCA) • Master of Computer Science (M.Sc) 		
4	Names of Interdisciplinary courses and the departments/units involved	Name	Depts. involved	
		Open Course : Internet Programming	All Departments	
		Complementary course	Chemistry Microbiology	
		Add-On Courses	All Departments	
5	Annual/ semester/choice based credit system (programme wise)	BCA and M.Sc. Computer Science follow CCSS		
6	Participation of the department in the courses offered by other departments	Open Courses, Add-On Courses, Skill Enhancement Course, General Informatics for B.Com and English		
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil		
8	Details of courses/programs discontinued (if any) with reasons	Nil		
9	Number of Teaching posts		Sanctioned	Filled
		Regular	1	1
		Guest Faculty (regular/self-financed)	7(SF)	7(SF)



10	Faculty Profile							
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided		
	Betsy Chacko	MCA, M.Phil.	Assistant Professor,	Computer Applications	4.5	Nil		
	Rasmi M	M.Sc.	Guest Faculty	Computer Science	3.5	Nil		
	Manasy Jayasurya	MCA	Guest Faculty	Computer Applications	3.5	Nil		
	Nisha Sunny	MCA	Guest Faculty	Computer Applications	5	Nil		
	Neetha C.Menon	M.Sc.	Guest Faculty	Computer Science	2.5	Nil		
	Sunitha A C	M.Sc.	Guest Faculty	Mathematics	1.5	Nil		
	Sruthy K Bhasi	MCA	Guest Faculty	Computer Applications	0.5	Nil		
	Neethu C N	M.Sc	Guest Faculty	Computer Science	3	Nil		
11	List of Senior Visiting Faculty				Nil			
12	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty							
	Year		Percentages of classes					
			UG		PG			
	2010-11		100		100			
	2011-12		100		100			
	2012-13		76.25		100			
	2013-14		76.25		100			
	2014-15		76.25		100			
13	Student -Teacher Ratio (programme wise):		UG	BCA	27:1			
			PG	M.Sc Computer Science	8:1			
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled:		Academic Support Staff		Sanctioned		Filled	
					Govt.	Mgmt.	Govt.	Mgmt.
					-	1	-	1
			Administrative Staff		Nil			



15	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG					
	Name	Qualification				
	Betsy Chacko	MCA, M.Phil.				
	Rasmi M.	M.Sc Computer Science				
	Manasy Jayasurya	MCA				
	Nisha Sunny	MCA				
	Neetha C Menon	M.Sc. Computer Science				
	Sunitha A C	M.Sc. Mathematics				
	Sruthi K Bhasi	MCA				
	Neethu C N	M.Sc Computer Science				
16	Number of faculty with ongoing projects					Nil
17	Departmental projects funded by DSTFIST; UGC, DBT, ICSSR, etc. and total grants received:					Nil
18	Research Centre /facility recognized by the University					Nil
19	Publication details					
	Title	Journal	Vol	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR
Sheeja P L						
	Patient History Visualization and Global Retrieval System Using Cloud	Proceedings of the National Seminar on Advances in Computing , Communication & Application	ACCA '13	2013	National	-
Sruthy K Bhasi						
	Hand written character recognition system on courier management service using artificial neural network	Eduved International Journal	Vol.1 Issue-3	2014	International	-
	International Data Base					Nil



	Chapters in Books	Nil		
	Books Edited	Nil		
	Books Authored	Nil		
	Popular Articles	Nil		
	Resource Persons Or Sessions Chaired	Nil		
	Papers in Seminars/Workshops/Conferences	Nil		
20	Areas of consultancy and income generated	Nil		
21	Faculty as members in National committees, International Committees, Editorial Boards....	Nil		
22	Student Projects			
	Percentage of students who have done in-house projects including inter departmental / programme	Year	UG	PG
		2010-2011	100	100
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies	2011-2012	100	100
		2012-2013	100	-
		2013-2014	100	-
		2010-11	-	-
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies	2011-12	-	-
		2012-13	-	100
		2013-14	-	100
		2013-14	-	100
23	Awards/ Recognitions received by faculty and students	Nil		
24	List of eminent academicians and scientists/ visitors to the department			
	Name	Designation	Context	Year
	Dr.S.Senthilnathan	Assistant Professor, Dept. of Educational Technology, Bharathidasan University, Tiruchirappalli	National Skill Enhancement Workshop for Teaching Staff	2013-14
	Dr. Santhoshkumar G	Assistant Professor, Dept. of Computer Science, CUSAT Kochi	National Skill Enhancement Workshop for Teaching Staff	2013-14
	Prof. Ramachandran	Retd. Professor Agricultural University, Kerala	Convocation of Certificate Course 'SAMVAD 12-13'	2013-14
	Dr. Binu P Chacko	Associate Professor, Prajyothi Niketan College, Pudukad	Association Inauguration and Invited Talk	2013-14
	Mr. Sijo Kuruvila George	CEO, Startup Village, Kochi	State Level Seminar Series Byteclix-2013	2013-14
	Mr. Aakash Mathew	CEO, CIED Technologies, Startup Village, Kochi	State Level Seminar Series Byteclix-2013	2013-14
	Mr. Arun Chandran	CEO, Ovoid Studios, Startup Village, Kochi	State Level Seminar Series Byteclix-2013	2013-14



Mr. Nikhil	CEO, Voltella systems, Startup Village, Kochi	State Level Seminar Series Byteclix-2013	2013-14
Mr. Bastin	CEO, Linways Technologies, Startup Village, Kochi	State Level Seminar Series Byteclix-2013	2013-14
Prof. Col. Induchoodan	Professor and Head, Dept. of Computer Science, Vidya Academy of Science and Technology	Association Inauguration and Invited Talk	2012-13
Dr. Lajish V.L.	Asst. Professor, Dept. of Computer Science, University of Calicut	Invited Research Oriented Talk	2012-13
Dr. Jiju M. Mathew	Asst. Professor and Head, Dept. of Computer Science, St. Thomas College, Thrissur	Association Inauguration and Invited Talk	2011-12
Sri. M Sedhumadhavan	Retd. Asst. General Manager, Federal Bank and presently Faculty at Kerala Agricultural University	Convocation of Certificate Course 'SAMVAD 10-11'	2011-12
Sri. Biju Geevarghese	Asst. Professor, Vimala College, Thrissur	Judge for State Level Paper Presentation Competition	2011-12
Prof. T. Thrivikraman	Formerly of Cochin university of Science and Technology	Resource Person for National Seminar	2010-11
Prof. R. Sivaramakrishnan	Formerly of Calicut University	Resource Person for National Seminar	2010-11
Prof. M. Ramachandra Kaimal	Formerly of university of Kerala	Resource Person for National Seminar	2010-11
Prof. N. Chandrasekaran	Formerly of St. Joseph's College, Trichy	Resource Person for National Seminar	2010-11
Prof. N. Sridharan	Formerly of Alagappa University, Karaikudi	Resource Person for National Seminar	2010-11
Prof. P.B. Vinodkumar	Rajagiri Engineering College, Cochin	Resource Person for National Seminar	2010-11
Dr. R. Rajesh	Bharathiar University	Resource Person for National Seminar	2010-11
Dr. J. Satheesh Kumar	Bharathiar University	Resource Person for National Seminar	2010-11
Dr. Gladston Raj S.	Marian College, Kuttikkanam	Resource Person for National Seminar	2010-11
Ms. Ceena Mathews	Asso. Professor, Prajyothi Niketan College, Pudukad	Association Inauguration and Invited Talk	2010-11



25 Seminars/ Conferences/Workshops organized & the source of funding							
		Program	Source of funding		Fund received		
a)National		<ul style="list-style-type: none"> National Seminar on 'Classical Mathematics with Applications to Computer Science and Related Areas' Two Day Skill Enhancement National Workshop for Teaching Staff on the topic 'Digital Age Pedagogy: Perspectives and Prospects' 	UGC		120000		
			Management		30000		
b)International					Nil		
26 Student Profile programme/course wise							
Name of the Course/ Programme		Applications received	Selected	Enrolled		Pass percentage	
				*M	*F		
2010-11	UG	504	34	-	34	100	
2011-12		670	36	-	36	100	
2012-13		579	36	-	36	97.5	
2013-14		Online	36	-	36	100	
2014-15		Online	29	-	29	-	
2010-11	PG	72	11	-	11	91	
2011-12		Online	9	-	9	100	
2012-13		63	11	-	11	100	
2013-14		56	10	-	10	100	
2014-15		Entrance	8	-	8	-	
27 Diversity of Students							
Name of the Course		% of students from the same State	% of students from other States		% of students from abroad		
2010-11	UG	99	1		-		
2011-12		98	2		-		
2012-13		99	1		-		
2013-14		98	2		-		
2014-15		99	1		-		



	2010-11	PG	100	-	-	
	2011-12		100	-	-	
	2012-13		100	-	-	
	2013-14		100	-	-	
	2014-15		100	-	-	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.					
				-	Nil	
		Against % enrolled				
29	Student progression	2009-10	2010-11	2011-12	2012-13	2013-14
	UG to PG	63	69	86	70	72
	PG to M.Phil.	-	-	-	-	-
	UG to Other Courses	20	14	-	18	6
	PG to Ph.D.	-	-	-	-	-
	Ph.D.to Post-Doctoral	-	-	-	-	-
	Employed					
	Campus Selection	-	-	-	-	-
	Other than Campus recruitment	17	17	14	12	22
	Entrepreneurship/ Self-employment	-	-	-	-	-
30	Details of infrastructural facilities					
	Library	Books in the Department and College Library.				
	Internet facilities for Staff & Students	Free Internet and INFLIBNET facility available for staff and students.				
	Class rooms with ICT facility	1 Smart Classroom, a Portable LCD Projector.				
	Laboratories/Museum	2 Computer Labs (Main Lab and Subsidiary Lab)				
31	Number of students receiving financial assistance from college, university, government or other agencies					
	Year	Funding Agencies			No: of students	
	2010-2011	Government	Mohammed Koya Scholarship for Muslim Girls		1	
			SC/OBC Stipend		3	
	2011-2012	Government	Central Sector Scholarship		2	
			SC/OBC Stipend		3	



	2012-2013	Government	Post Matric	3
			District Merit Scholarship	1
			Sanskrit Scholarship	1
			SC/OBC Stipend	2
	2013-2014	Government	Indira Gandhi Single Girl Child Scholarship	1
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts			
	Year	Resource person	Program	
	2010-11	Prof. T Thrivikraman	Resource Person for National Seminar on 'Classical Mathematics with Applications to Computer Science and Related Areas'	
		Prof. R. Sivaramakrishnan	Resource Person for National Seminar on 'Classical Mathematics with Applications to Computer Science and Related Areas'	
		Prof. M. Ramachandra Kaimal	Resource Person for National Seminar on 'Classical Mathematics with Applications to Computer Science and Related Areas'	
		Prof. N.Chandrasekaran	Resource Person for National Seminar on 'Classical Mathematics with Applications to Computer Science and Related Areas'	
		Prof. N.Sridharan	Resource Person for National Seminar on 'Classical Mathematics with Applications to Computer Science and Related Areas'	
		Prof. P.B. Vinodkumar	Resource Person for National Seminar on 'Classical Mathematics with Applications to Computer Science and Related Areas'	
		Dr.R.Rajesh	Resource Person for National Seminar on 'Classical Mathematics with Applications to Computer Science and Related Areas'	
		Dr.J.Satheesh Kumar	Resource Person for National Seminar on 'Classical Mathematics with Applications to Computer Science and Related Areas'	
		Dr.Gladston Raj S.	Resource Person for National Seminar on 'Classical Mathematics with Applications to Computer Science and Related Areas'	



	2012-13	Prof. Col. Induchoodan	Invited Talk on Modern Professionalism in Connection with Association Inauguration
		Dr. Lajish V.L.	Invited Research Oriented Talk on 'Soft Computing for Intelligent Systems and Image Processing using MATLAB'
	2013-14	Prof. Ramachandran	Resource Person for Certificate Course 'SAMVAD 12-13'
		Sijo Kuruvila George	State Level Seminar on 'Startup Village and Entrepreneurship in Kerala'
		Mr. Aakash Mathew	State Level Seminar on 'Startup Village and Entrepreneurship in Kerala'
		Mr. Arun Chandran	State Level Seminar on 'Startup Village and Entrepreneurship in Kerala'
		Mr. Nikhil	State Level Seminar on 'Startup Village and Entrepreneurship in Kerala'
		Mr. Bastin	State Level Seminar on 'Startup Village and Entrepreneurship in Kerala'
		Mr. Prasanth	Invited Talk on Career Guidance Opportunities as a part of Career Guidance Activities
		Mr. Jomy K. L	Invited Talk on Career Guidance Opportunities as a part of Career Guidance Activities
		Dr. Binu P Chacko	Invited Talk on Artificial Intelligence in Connection with Association Inauguration
		Dr. S Senthilnathan	Two Day Skill Enhancement National Workshop for Teaching Staff on the topic 'Digital Age Pedagogy: Perspectives and Prospects'
		Dr. G Santhoshkumar	Two Day Skill Enhancement National Workshop for Teaching Staff on the topic 'Digital Age Pedagogy: Perspectives and Prospects'



33	Teaching methods adopted to improve student learning
	<ul style="list-style-type: none">• Classes with power point presentations• Distribution of Reference Details in the beginning of each semester helps them to be prepared for each class before the teachers discuss the topic in the class.• Demonstrative classes in the lab for certain topics• Encourages e-learning• INFLIBNET Facility• Peer teaching• Remedial coaching
34	Participation in Institutional Social Responsibility (ISR) and Extension activities
	<ul style="list-style-type: none">• Computer Training classes for differently abled children of Block Resource Centre, Ollur• Computer Literacy Workshop for housewives from Lourde Forane Church, Thrissur• Computer Literacy Workshop for Teaching and Non-teaching staff of various colleges• Visit to Old Age Home• Blood Donation during the camp organized by the Dept. of Biotechnology• Computer Literacy Workshop for Guest Ministerial Staff• Computer Training Classes for Nursing Students of Government Nursing School, Thrissur
35	SWOC analysis of the department and Future plans
	Strength
	<ul style="list-style-type: none">• Two computer labs with 102 systems with LAN• Internet facility for the students from 8.00 am to 4.30pm• ICT enabled seminar presentations• Online reference materials from INFLIBNET
	Weakness
	<ul style="list-style-type: none">• Less number of research materials generated by the department
	Opportunity
	<ul style="list-style-type: none">• Industrial Visits• PG projects in collaboration with industries
	Challenges
	<ul style="list-style-type: none">• Keep up the pass percentage when the entry level competency is very low



Future plans

- Regularisation of M.Sc
- Upgradation as research center
- Applying for major projects



Evaluative Report of the Department of English

1	Name of the Department	English		
2	Year of Establishment	1946		
3	Names of Programs / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	<ul style="list-style-type: none"> • B.A. English • Common Courses in English 		
4	Names of Interdisciplinary courses and the departments/units involved	Name	Depts. involved	
		Open Course : Film Studies	All Departments	
		Complementary course Journalism, Electronic Media	Journalism	
		Common Course History and Philosophy of Science	Computer Science	
5	Annual/ semester/choice based credit system (programme wise)	B.A. English follows CCSS		
6	Participation of the department in the courses offered by other departments	Open course of other departments.		
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil		
8	Details of courses/programs discontinued (if any) with reasons	Nil		
9	Number of Teaching posts	Sanctioned	Filled	
		Regular	3	3
		Guest Faculty (regular/self-financed)	6	6



10	Faculty Profile					
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Dr. Josepheni Joseph	M.A, Ph.D	Associate Professor	E.A.Robinson's Poetry	26	Nil
	Dr. Bindu Ann Philip	M.A, Ph.D B.Ed, PGDJ	Assistant Professor	Arun Joshi's Fiction	6	Nil
	Jency James	M.A, B.Ed, SET, JRF	Assistant Professor	-	3	Nil
	Preema Paul	M.A	Guest faculty	-	5	Nil
	Deepthy Mohan	M.A, NET	Guest faculty	-	3	Nil
	Pournami M S	M.A	Guest faculty	-	-	Nil
	Elsa Rose Jose	M.A, B.Ed, SET	Guest faculty	-	-	Nil
	Meril Rose	M.A, B.Ed, SET	Guest faculty	-	-	Nil
	Namitha Sunny	MCJ	Guest faculty	-	-	Nil
11	List of Senior Visiting Faculty		<ul style="list-style-type: none"> Ms. Sujatha Nair, Trainer, Institute of Communicative Studies, Thrissur Mr. Joe Challisserry, Subject Expert for Media Studies, Chethana Media Institute of Culture and Communications, Thrissur 			
12	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty					
	Year		Percentages of classes			
			UG	PG		
	2012-13		100	NA		
	2013-14		100	NA		
	2014-15		100	NA		
13	Student -Teacher Ratio (programme wise):		UG	B.A. English	24 :1	



14	Number of academic support staff (technical) and administrative staff; sanctioned and filled:					Nil
15	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG					
	Name	Qualification				
	Dr. Josepheni Joseph	M.A, Ph.D				
	Dr. Bindu Ann Philip	M.A, Ph.D, B.Ed, PGDJ				
	Jency James	M.A, B.Ed, SET, JRF				
	Preema Paul	M.A				
	Deepthy Mohan	M.A, NET				
	Pournami M.S	M.A				
	Elsa Rose Jose	M.A, B.Ed, SET				
	Meril Rose	M.A, B.Ed, SET				
	Namitha Sunny	MCJ				
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:					Nil
17	Departmental projects funded by DSTFIST; UGC, DBT, ICSSR, etc. and total grants received:	Funding agency		Grant received		
		ASAP, Govt. of Kerala		3,58000		
18	Research Centre /facility recognized by the University	Nil				
19	Publication details					
	Title	Journal	Vol	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR
	Dr. Josepheni Joseph					
	The Abnormally Normal Conformist	Conspectus	6	2012	International	ISSN 09730990
	International Data Base					Nil
	Chapters in Books					Nil
	Books Edited					Nil
	Books Authored					Nil
	Popular Articles					Nil



Resource Persons Or Sessions Chaired			
<u>Dr. Josepheni Joseph</u>			
<ul style="list-style-type: none"> • Delivered an extension lecture at Vimala College, Thrissur on 8th August 2011 • Chaired a session at International Conference on Revisiting Madhavikutty/ Kamala Das/Suraiya on 19 October, 2012 at St. Aloysius College, Elthuruth • Chaired a session at the National Seminar on 'Human Rights in a Changing World' organised by St. Aloysius College, Elthuruth on 27 November, 2010 			
Papers in Seminars/Workshops/Conferences			
No	Title of the paper	National/ International/ Regional	Year
Dr. Josepheni Joseph			
1	Human Rights in a Changing World	National	2010
2	Celebration of Hybridity in Kamala Das' Poetry	International	2012
Dr. Bindu Ann Philip			
1	Inculcation of Research Culture for Quality Enhancement	National	2010
2	The Semiotic Patterns in Communication	National	2011
3	Feeling of Alienation	National	2013
4	Fair is Foul and Foul is Fair: A Study on Shakespearean Tragedies	National	2014
Jency James			
1	Can Shakespeare Survive Globalization?	National	2013
2	From Darkness of Silence to Light of Speech	National	2013
3	Tips for Mental Health: A Reading of Bible	National	2014
Depthy Mohan			
1	Journey towards the Past: Life of Gogol Ganguly in "The Namesake"	National	2013
Keerthy Sophia Ponnachan			
1	Harvest-Tradition vs. Modernity-A Journey through the Novel : The Mayor of Caster bridge	National	2013
2	Terrorism and Global Harmony: An Expedition through the Film : My Name is Khan	National	2013
20	Areas of consultancy and income generated		
	Areas of Consultancy	Income Generated	
	Proof reading for H&C publication.	2013-2014 - Rs. 680	
	Workshop on Effective English Teaching Technique in classroom	Free Consultancy	



21	Faculty as members in				
	National committees				
	Name	Position	Committee/Activity	Year	
	Dr. Josepheni Joseph	Management Representative	Interview Board for Permanent Staff Selection for English (St. Mary's College and Vimala College)	2010	
		Presiding Officer	Election to Kerala Panchayat Raj	2010	
		Joint Secretary	ELTAI	2011	
		Member	Interview Board for ASAP	2014	
		Question Paper Setter	St. Theresa's College, Ernakulam (autonomous)	2014	
	Dr. Bindu Ann Philip	Presiding Officer	Election to Kerala Panchayat Raj	2011	
		Subject Expert	Interview board for the appointment of Higher Secondary English Teachers	2012	
	International Committees			Nil	
	Editorial Boards....			Nil	
22	Student Projects			NA	
23	Awards/ Recognitions received by faculty and students				
	Name	Faculty/ Student	Awards/ Recognition	Awarding Body	Year
	Dr. Josepheni Joseph	Faculty	<i>SADGURU</i> Award	University of Calicut	2014
	Athira Paul	Student	Union Member (UUC)	College student body	2014
	Varsha Jayan	Student	Union Member (Student Editor)	College student body	2014
24	List of eminent academicians and scientists/ visitors to the department				
	Name	Designation	Context	Year	
	Fr. Martin Kolambrath	Associate Professor, St. Thomas College, Thrissur	Association Inauguration	2012	
	Dr. Rajan Gurukkal	Soundararajan Chair Professor, Centre for Contemporary Studies, Indian Institute of Science, Bangalore	National Seminar	2013	
	Dr. Muraleedharan	HOD, Department of English, St. Aloysius College, Thrissur	National Seminar	2013	
	Dr. P V Krishnan Nair	President, Kerala Sangeetha Nataka Academi, Thrissur	Literary Seminar	2013	
	Smt. Sara Joseph	Malayalam Writer, Feminist	Seminar – <i>Pusthaka Vicharam</i>	2013	



	Dr. C R Rajagopalan	Professor, Kerala University	UGC National Seminar	2013			
	Dr. AK Nambiar	Former President, Kerala Folklore Academi, Rtd Professor, School Of Drama, Kannur University.	U G C National Seminar	2013			
	Dr. Betsy Paul	Associate Professor, St. Aloysius College, Thrissur	Association Inauguration	2013			
	Mr. A P Manoharan	State Secretary, Kidney Federation of India	Inauguration of Organ Donation Programme	2013			
	Dr. Preetha M.M	Sree Kerala Varma College, Thrissur	Extension Lecture	2014			
25	Seminars/ Conferences/Workshops organized & the source of funding						
		Program	Source of funding	Fund received			
	a)Regional	ASAP 21 Day Residential Camp	Kerala Government	358000			
		Magnum Opus	Sponsorship	35217			
	b)National	Narratology of Harvesting: A Comparative Study	UGC	150000			
	b)International			Nil			
26	Student profile programme/course wise						
	Name of the Course/ Programme	Applications received	Select ed	Enrolled	Pass percentage		
	2012-2013	U G	19	-	19	NA	
	2013-2014		Online	24	-	24	NA
	2014-2015		Online	22	-	22	NA
27	Diversity of Students						
	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad			
	2012-2013	U G	100	Nil	Nil		
	2013-2014		100	Nil	Nil		
	2014-2015		100	Nil	Nil		
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.				NA		
29	Student Progression				Nil		



30	Details of infrastructural facilities		
	Library	Books in the Department and College Library.	
	Internet facilities for Staff & Students	Free Internet and INFLIBNET facility available for staff and students.	
	Class rooms with ICT facility	1 Smart Classroom, 24 computers in the Multipurpose Computer Centre installed with language lab software	
31	Number of students receiving financial assistance from college, university, government or other agencies		
	Year	Funding Agencies	No: of students
	2013-2014	Fee concession (management)	3
	2014-2015	Fee concession (management)	4
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts		
	Year	Resource person	Program
	2012-13	Fr. Martin Kolambrath Assistant Professor, St. Thomas College, Thrissur	English Association Inauguration
	2013-14	Dr. Rajan Gurukkal Soundararajan Chair Professor, Centre for Contemporary Studies, Indian Institute of Science, Bangalore	UGC Sponsored National Seminar on Narratology of Harvesting: A Comparative Study.
		Dr. Muraleedharan HOD, Department of English, St.Aloysius College, Thrissur	
		Dr. P.V Krishnan Nair Retired Professor, Department of Hindi, Sree Kerala Varma College, Thrissur	
		Prof. C R Rajagopalan, Kerala University	
		Dr. AK Nambiar, Former President, Kerala Folklore Academi, Rtd Professor, School Of Drama, Kannur University.	
	2013-14	Smt. Sara Joseph, Malayalam Writer, Feminist	Meet The Author Programme
		Prof. John Cyriac, Retired Professor, Department of English, Christ College, Irinjalakuda, Thrissur.	



	2013-14	Mr. Joe Challissery Subject Expert for Media Studies, Chethana Media Institute of Culture and Communications, Thrissur.	Class on Media
	2013-14	Dr. Betsy Paul Associate Professor, St. Aloysius College, Thrissur	English Association Inauguration
	2014-15	Dr. Preetha M.M HOD, Department of English, Sree Kerala Varma College, Thrissur	Extension Lecture on Shashi Deshpande
33	Teaching methods adopted to improve student learning		
	<ul style="list-style-type: none">• ICT enabled teaching – learning• Audio classes• Seminars, Workshops, Extension classes and Talks• Peer Teaching• Remedial Teaching• Language Lab facility• Certificate course in Communicative English		
34	Participation in Institutional Social Responsibility (ISR) and Extension activities		
	<ul style="list-style-type: none">• As a part of community outreach programme, students of the department conducted classes on communicative skills for UP students of St. Mary's U. P School, Chiyaram• The Department initiated a community extension programme: SANTHWANA SPARSAM in collaboration with Kidney Federation of India. Mr. A P Manoharan delivered an awareness lecture on importance of organ donation• The Department organised a 21 Day Residential ASAP Training from 30-04-2014 to 20-05-2014• Three faculty of English department were master trainers for ASAP Twenty One Day Residential Camp• Students were taken to Pain and Palliative Care Centre at District Hospital, Thrissur.• In connection with the World Environment Day, the Department organised an interdisciplinary Elocution Competition on 5th June 2014• Donated blood in Blood Donation Programme conducted by the Department of Biotechnology• The Department conducted Wonder Woman Contest as a part of Gender Sensitization Programme		



35	SWOC analysis of the department and Future plans
Strength	
<ul style="list-style-type: none">• B.A English programme with career oriented complementary courses Journalism and Electronic Media• Out of 3 permanent faculty, two are Ph.D holders• ICT enabled teaching promoted through Audio classes and Power Point based Seminar presentations• Offers UGC Add On and Certificate Course in Communicative English• Conducts many interdepartmental competitions for students• Good collection of English books in the centralized library• MOU with Chethana Media Institute of Culture and Communications, Thrissur• 3 Faculty as master trainers for Additional Skill Acquisition Programme• Consultancy with H&C Publications• Life Skills Development Programmes developed for main students	
Weakness	
<ul style="list-style-type: none">• B.A English course is Self-Financing• Number of permanent teachers is less	
Opportunity	
<ul style="list-style-type: none">• Enhancement of Consultancy• Spoken English Training for teachers of other institutions	
Challenges	
<ul style="list-style-type: none">• Low level English proficiency of students at entry level test	
Future plans	
<ul style="list-style-type: none">• Start M.A English• Regularise B.A. English• Set up an Independent Language Lab• Ph.D for all permanent teachers• Introduction of Smart Class rooms• Basic English Communication Skills training for all students	



Evaluative Report of the Department of Commerce

1	Name of the Department		Commerce			
2	Year of Establishment		2012			
3	Names of Programs / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		<ul style="list-style-type: none"> • Bachelor of Commerce (B.Com) • Master of Commerce (M.Com) 			
4	Names of Interdisciplinary courses and the departments/units involved		Name		Depts. involved	
			Open Course : Human Resource Management		All Departments	
5	Annual/ semester/choice based credit system (programme wise)		B.Com and M.Com follow CCSS			
6	Participation of the department in the courses offered by other departments		Open Courses, Add-On Courses, Skill Enhancement Course, 'Financial and Management Accounting' for BCA			
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil			
8	Details of courses/programs discontinued (if any) with reasons		Nil			
9	Number of Teaching posts		Sanctioned		Filled	
			Regular		-	-
			Guest Faculty	Regular	3	3
				Self-Financed	4	4
10	Faculty Profile					
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Sherline T I	M.Com	Guest Faculty	Finance	2.2	Nil
	Sanitha B Vincent	M.Com, SET	Guest Faculty	Finance	2.1	Nil
	Vimi Anto	M.Com	Guest Faculty	Computer Application	1	Nil
	Ranjini Ramachandran K	M.Com, NET	Guest Faculty	Finance	0.11	Nil



	Renu C	M.Com, MBA	Guest Faculty	Finance	3	Nil
	Manya Sonny	M.Com	Guest Faculty	Finance	0.1	Nil
	Helna K Paul	M.Com, NET	Guest Faculty	Finance	1.7	Nil
11	List of Senior Visiting Faculty				Nil	
12	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty					
	Year		Percentages of classes			
			UG		PG	
	2010-11		NA		NA	
	2011-12		NA		NA	
	2012-13		100		NA	
	2013-14		100		100	
	2014-15		100		100	
13	Student -Teacher Ratio (programme wise):		UG	B.Com	30:1	
			PG	M.Com	10:1	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled:				Nil	
15	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG					
	Name		Qualification			
	Sherline T I		M.Com			
	Sanitha B Vincent		M.Com, SET			
	Vimi Anto		M.Com			
	Ranjini Ramachandran K		M.Com, NET			
	Renu C		M.Com, MBA			
	Manya Sonny		M.Com			
	Helna K Paul		M.Com, NET			
16	Number of faculty with ongoing projects				Nil	
17	Departmental projects funded by DSTFIST; UGC, DBT, ICSSR, etc. and total grants received:				Nil	
18	Research Centre /facility recognized by the University				Nil	



19	Publication details					
	Title	Journal	Vol	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR
Ranjini Ramachandran K						
	Women buying behavior in online shopping	Global research Review ISSN 2250-2521	II	2014	National	-
	Job satisfaction among Higher Secondary Teachers	Global research Review ISSN 2250-2521	VI	2014	National	-
	International Data Base					Nil
	Chapters in Books					Nil
	Books Edited					Nil
	Books Authored					Nil
	Popular Articles					Nil
	Resource Persons Or Sessions Chaired					Nil
Papers in Seminars/Workshops/Conferences						
No	Title	National/International/Regional			Year	
Sherline T I						
1	Financial Literacy towards financial inclusion among BPL families	National			2013	
2	Financial Inclusion	National			2014	
3	Microfinance as a financial innovation	International			2014	
Sanitha B Vincent						
1	Financial Literacy towards financial inclusion among BPL families	National			2013	
2	Financial Inclusion	National			2014	
Vimi Anto						
1	Financial Inclusion	National			2014	



Sheethal Franckline							
1	Financial Inclusion		National		2014		
Renu C							
1	Derivatives		National		2014		
20	Areas of consultancy and income generated					Nil	
21	Faculty as members in National committees, International Committees, Editorial Boards....					Nil	
22	Student projects					NA	
23	Awards/ Recognitions received by faculty and students					Nil	
24	List of eminent academicians and scientists/ visitors to the department						
	Name	Designation	Context	Year			
	Prof. C P Davis	Retired Associate Professor, St. Thomas College, Thrissur.	Talk	2012			
	Dr. C R Sivadasan	Retired Scientist, Spices Board, Kochi.	Talk	2012			
	Dr. C K Francis	Principal, ELIMS Institute of Management Studies.	Exhibition Inauguration	2013			
	Sri. V R Ramachandran	Financial Counsellor, Financial Literacy Club	Commerce Association Inauguration and FINK Club	2013			
	Capt. Dr. Suseela Menon R	Associate Professor, Sree Kerala Varma College, Thrissur	Commerce Association Inauguration and Talk	2014			
	Prof. Nagarajan T S	Former Principal of Dhanalakshmi Bank Staff Training College.	Career Mentoring	2014			
	Sri. Binesh Enamakel	Programme Co-ordinator, ICAI, Kottayam Chapter	Career Guidance in finance profession	2014			
	Smt. Parvathi K	Senior Manager, Punjab National Bank, Pookunam Branch, Thrissur	Talk	2014			
25	Seminars/ Conferences/Workshops organized & the source of funding					Nil	
26	Student Profile programme/course wise						
	Name of the Course/ programme		Applications received	Selected	Enrolled		Pass percentage
					*M	*F	
	2012-13	U G	40	40	-	40	NA
	2013-14		Online	40	-	40	NA
	2014-15		Online	40	-	40	NA
	2013-14	P G	46	14	-	14	NA
	2014-15		100	15	-	15	NA



27 Diversity of Students						
Name of the Course		% of students from the same State	% of students from other States	% of students from abroad		
2012-13	U G	100	-	-		
		2013-14	100	-	-	
		2014-15	100	-	-	
2013-14	P G	100	-	-		
		2014-15	100	-	-	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.				Nil	
29	Student Progression				Nil	
30	Details of infrastructural facilities					
Library		Books in the Department and College Library.				
Internet facilities for Staff & Students		Free Internet and INFLIBNET facility available for staff and students.				
Class rooms with ICT facility		1 Smart Classroom.				
31	Number of students receiving financial assistance from college, university, government or other agencies					
Year		Funding Agencies		No: of students		
2012-2013	Government	Post Matric Scholarship		3		
		Others		4		
	College	Freeship		2		
2013-2014	Government	Post Matric Scholarship		8		
		Others		9		
	College	Freeship		3		
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts					
Year		Resource person		Program		
2012-13		Prof. C P Davis Retired Associate Professor St. Thomas College, Thrissur		Talk on “General Awareness of Basic Accounting”		
2013-14		Dr. C K Francis, Principal, ELIMS Institute of Management Studies, Thrissur		“COMMEX”- Exhibition Inauguration		
		Sri V R Ramachandran, Financial Counsellor, Financial Literacy Club		Commerce Association Inauguration and Talk on “Indian Financial Market”		



		Sri V R Ramachandran, Financial Counsellor, Financial Literacy Club	First Interactive Session on Financial Literacy
			Second Interactive Session on Financial Literacy
			Third Interactive Session on Financial Literacy
	2014-15	Capt. Dr. Suseela Menon R, Associate Professor, Sree Kerala Varma College, Thrissur	Commerce Association Inauguration and Talk on “Media Planning and Advertising”
		Prof. Nagarajan T S, Former Principal of Dhanalakshmi Bank Staff Training College	Career Mentoring
		Mr. Binesh Enamakel, Programme Co-ordinator, ICAI, Kottayam Chapter	Career Guidance in finance profession
		Smt. Parvathi K Senior Manager, Punjab National Bank, Pookunam Branch, Thrissur	Talk on Savings Day
		Sri V R Ramachandran, Financial Counsellor, Financial Literacy Club	First Interactive Session on Financial Literacy
			Second Interactive Session on Financial Literacy
33	Teaching methods adopted to improve student learning		
	<ul style="list-style-type: none"> • Power Point Presentations by students • Group discussion • Net based learning • Peer teaching • Remedial teaching 		
34	Participation in Institutional Social Responsibility (ISR) and Extension activities		
	<ul style="list-style-type: none"> • FINK CLUB: FINK CLUB in linkage with Financial Literacy Centre, provides financial literacy counseling and interactive classes to various departments and also to administrative staff for enhancing their financial literacy • ACACIA: Awareness to students regarding green environment by taking a green oath , by making green thumb impression and also by organizing a poster making competition • EVENTIDE HOME: Visit and Contribution to Orphanage for the well-being of the poor and needy • FEMENSIONALS: Organising fairs for sale of creative items made by students to mould students as an entrepreneur • Linkage with Bank of Baroda for opening students account for all students and thus creating a savings habit.(2013-2014) 		



	<ul style="list-style-type: none">• Linkage with Punjab National Bank for providing practical knowledge of banking to the students. (2014-2015)
35	SWOC analysis of the department and Future plans
Strength	
<ul style="list-style-type: none">• Young, energetic, efficient teachers• Creative and talented students• FINK CLUB – Linkage with Financial Literacy Centre for providing financial literacy counseling and interactive classes for enhancing financial literacy• Linkage with Punjab National Bank for providing practical knowledge of banking to the students (2014-2015)• Certificate Course LEAP (Learning For Employment And Awareness) – To mould our students as “industry-ready”	
Weakness	
<ul style="list-style-type: none">• Self-Financing U G Course	
Opportunity	
<ul style="list-style-type: none">• Job oriented course• Ensure practical knowledge• Moulding students as entrepreneurs• Create more opportunities for self-development	
Challenges	
<ul style="list-style-type: none">• Low Entry Level marks	
Future plans	
<ul style="list-style-type: none">• Organize intellectual talks, Business quiz, Inter collegiate seminars, Research oriented programmes for the academic development of the students• Organize Campus recruitment programme	



Evaluative Report of the Department of Psychology

1	Name of the Department		Psychology			
2	Year of Establishment		2012			
3	Names of Programmes / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		<ul style="list-style-type: none"> • M.Sc Psychology 			
4	Names of Interdisciplinary courses and the departments/units involved					Nil
5	Annual/ semester/choice based credit system (programme wise)		M.Sc Psychology follows CCSS			
6	Participation of the department in the courses offered by other departments					Nil
7	Courses in collaboration with other universities, industries, foreign institutions, etc.					Nil
8	Details of courses/Programmes discontinued (if any) with reasons					Nil
9	Number of Teaching posts		Sanctioned		Filled	
		Regular		-	-	
		Guest Faculty	Regular	-	-	
			Self-Financed	3	3	
10	Faculty Profile					
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Meera Mohanan	M.A, M.Phil	Guest Faculty	Applied Psychology	1.3	Nil
	Linda Davis	M.Sc, NET	Guest Faculty	Clinical Psychology	0.7	Nil
	Anu Mary Kalliyath	M.Sc	Guest Faculty	Applied Psychology	0.4	Nil
11	List of Senior Visiting Faculty					Nil



12	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty					
		Year	Percentages of classes			
	PG	2012-13	100			
		2013-14	100			
		2014-15	100			
13	Student -Teacher Ratio (programme wise):		PG	M.Sc Psychology	8:1	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled:					Nil
15	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG					
	Name		Qualification			
	Meera Mohanan		M.A, M.Phil			
	Linda Davis		M.Sc, NET			
	Anu Mary Kalliyath		M.Sc			
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:					Nil
17	Departmental projects funded by DSTFIST; UGC, DBT, ICSSR, etc. and total grants received:					Nil
18	Research Centre /facility recognized by the University					Nil
19	Publication details					
	Sneha Satheesan					
	Title	Journal	Vol	Year	National/ International	Citation /Impact/h Index
	Behavioural therapy in persons with intellectual disability and OCD: An effective augmentation strategy	Australian & New Zealand Journal of Psychiatry	47	2013	International	3.293
	International Data Base					Nil
	Chapters in Books					Nil
	Books Edited					Nil
	Books Authored					Nil
	Popular Articles					Nil
	Resource Persons Or Sessions Chaired					Nil
	Papers in Seminars/Workshops/Conferences					Nil
20	Areas of consultancy and income generated					Nil



21	Faculty as members in a) National committees b) International Committees c) Editorial Boards....				Nil		
22	Student Projects						
	Percentage of students who have done in-house projects including inter departmental / programme			Year		PG	
				2013-14		100	
	Percentage of students placed for projects/internship in organizations outside the institution i.e.in Research laboratories/Industry/other agencies			2013-14		100	
23	Awards/ Recognitions received by faculty and students				Nil		
24	List of eminent academicians and scientists/ visitors to the department						
	Name	Designation		Context		Year	
	Dr. Monsy Edward	Associate Professor, Department of Psychology, Prajyothi Niketan College, Pudukkadu		Inauguration of Psychology Association		2013	
	Dr. P A Antony	Clinical Psychologist, Sneha Clinic, Thrissur		Inauguration of Psychology Association		2014	
25	Seminars/ Conferences/Workshops organized & the source of funding				Nil		
26	Student profile programme/course wise						
	Name of the Course/ Programme	Applications Received	Selected	Enrolled		Pass percentage	
				*M	*F		
	2012-13	P G	2	2	-	2	NA
	2013-14		6	5	-	5	Result awaited
2014-15	12		8	-	8	-	
27	Diversity of Students						
	Name of the Course		% of students from the same state	% of students from other States	% of students from abroad		
	2012-13	P G	100	Nil	Nil		
	2013-14		100	Nil	Nil		
	2014-15		100	Nil	Nil		
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.				- Nil		



29	Student Progression		
	Against % enrolled		
		Year	% Enrolled
	Employed		
	Other than campus recruitment	2013-14	100
30	Details of infrastructural facilities		
	Library	Books in the College Library.	
	Internet facilities for Staff & Students	Free Internet and INFLIBNET facility available for staff and students.	
	Class rooms with ICT facility	1 Smart Room	
	Laboratories/Museum	Psychology Lab	
31	Number of students receiving financial assistance from college, university, government or other agencies		
	Year	Funding Agencies	No. of students
	2013-14	Government of Kerala	1
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts		
	Year	Resource person	Programme
	2013	Dr. Monsy Edward, Associate Professor, Department of Psychology, Prajyothi Niketan College, Pudukkadu	Class on importance of psychology in current scenario
	2014	Dr. P A Antony, Clinical Psychologist, Sneha Clinic, Thrissur	Special lecture on Importance of Clinical Psychology in the current scenario
33	Teaching methods adopted to improve student learning		
	<ul style="list-style-type: none"> • Power point presentation • Online assignments • Online reference • Peer teaching 		



34	Participation in Institutional Social Responsibility (ISR) and Extension activities
	<ul style="list-style-type: none">• Academic Extension activity - IInd MSc Psychology students conducted an Intelligence and Creativity test on students of Sacred Heart L P School , Thrissur• Academic Extension activity- Students of IInd MSc Psychology conducted a Workshop on Stress Management to High school children of St Mary's H S, Ollur• The Department conducted a Career Aptitude test for III DC students.• As part of Marian Monsoon Fest the department conducted a Color Psychology Test
35	SWOC analysis of the department and Future plans
	Strength
	<ul style="list-style-type: none">• Qualified faculty• Practical expertise gained by handling counseling sessions
	Weakness
	<ul style="list-style-type: none">• Less number of UG programme in Psychology, limits the flow of students for PG programme• Lack of collaboration with other institutions
	Opportunity
	<ul style="list-style-type: none">• Create good placement record• Scope for counselling services• Training in stress management and personality development
	Challenges
	<ul style="list-style-type: none">• Limited higher education and employment opportunities
	Future plans
	<ul style="list-style-type: none">• Develop research attitude in students• Encourage students to take up projects of social relevance• Faculty and student development through research programme, paper presentations and publications• Conduct lectures or workshops by eminent personalities of the field• Initiate programmes to help needy people of the society• Introduce Career oriented personality development programmes



Evaluative Report of the Department of Social Work

1	Name of the Department		Social Work			
2	Year of Establishment		2014			
3	Names of Programs / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		<ul style="list-style-type: none"> • Bachelor of Social Work (BSW) 			
4	Names of Interdisciplinary courses and the departments/units involved					Nil
5	Annual/ semester/choice based credit system (programme wise)		BSW follows CCSS			
6	Participation of the department in the courses offered by other departments		UGC Add-On Course, Skill Enhancement Courses.			
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil			
8	Details of courses/programs discontinued (if any) with reasons		Nil			
9	Number of Teaching posts		Sanctioned		Filled	
			Regular	-	-	
			Guest Faculty (regular/self-financed)	1	1	
10	Faculty Profile					
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Simmy A M	MSW, Doing LL.B	Guest Faculty	Medical and Psychiatric Social Work	7 years	Nil
11	List of Senior Visiting Faculty					Nil



12	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty			
	UG	Year		Percentages of classes
		2014-15		100
13	Student -Teacher Ratio (programme wise):		UG	BSW
				24:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled:			Nil
15	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG			
	Name		Qualification	
	Simmy A M		MSW, Doing LL.B	
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:			Nil
17	Departmental projects funded by DSTFIST; UGC, DBT, ICSSR, etc. and total grants received:			Nil
18	Research Centre /facility recognized by the University			Nil
19	Publication details			Nil
	International Data Base			Nil
	Chapters in Books			Nil
	Books Edited			Nil
	Books Authored			Nil
	Popular Articles			Nil
	Resource Persons Or Sessions Chaired			Nil
	Papers in Seminars/Workshops/Conferences			Nil
20	Areas of consultancy and income generated			Nil
21	Faculty as members in			
	a) National Committees/Other Committees			
	Name	Position	Committee	Year
	Simmy A M	Visiting Faculty	Kerala Police Academy	2012 onwards
		Facilitator	KILA (CRC)	2013 onwards
		Member	Government Children's Home	2013 onwards
	b) International Committees			Nil
	c) Editorial Boards....			Nil
22	Student Projects			Nil
23	Awards/ Recognitions received by faculty and students			Nil



24	List of eminent academicians and scientists/ visitors to the department						
	Name	Designation	Context	Year			
	Dr. Jaya Cheriyan	HOD, Dept. of Social Work, Vimala College, Thrissur.	Talk on Relevance of Social Work	2014			
	Mr. Jomon M C	Socio-Economic Expert, Environment Engineers and Consultant, Ernakulum.	Life Skill	2014			
25	Seminars/ Conferences/Workshops organized & the source of funding				Nil		
26	Student profile programme/course wise						
	Name of the Course/ Programme	Applications Received	Selected	Enrolled		Pass percentage	
				*M	*F		
	2014-15	UG	Online	15	-	15	-
27	Diversity of Students						
	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad			
	2014-15	UG	100	Nil	Nil		
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.				Nil		
29	Student Progression				NA		
30	Details of infrastructural facilities						
	Library		Books in the College Library.				
	Internet facilities for Staff & Students		Free Internet and INFLIBNET facility available for staff and students.				
	Class rooms with ICT facility		I Smart room.				
	Laboratories/Museum		Nil				
31	Number of students receiving financial assistance from college, university, government or other agencies						
	Year	Funding Agencies	No: of students				
	2014-15	Government	1				
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts						
	Year	Resource person	Program				
	2014	Dr. Jaya Cheriyan, HOD, Dept. of Social Work, Vimala College, Thrissur.	Talk on Relevance of Social Work				



	2014	Mr. Jomon M C, Socio-Economic Expert, Environment Engineers and Consultant, Ernakulum.	Life Skill Training
33	Teaching methods adopted to improve student learning		
	<ul style="list-style-type: none"> • Group Discussion • Panel Discussion • Power Point Presentations • Peer group study • Individual attention to slow learners 		
34	Participation in Institutional Social Responsibility (ISR) and Extension activities		
	<ul style="list-style-type: none"> • ESAF –Livable Society • Children’s Home – Independence Day • Rajagiri Outreach Programme at Amala Hospital 		
35	SWOC analysis of the department and Future plans		
	Strength		
	<ul style="list-style-type: none"> • Field Work Opportunities • Exposure Visits To Various Social Work Agencies 		
	Weakness		
	<ul style="list-style-type: none"> • Self-financing Course 		
	Opportunity		
	<ul style="list-style-type: none"> • Community enrichment programmes enable students to be socially committed persons • Imparting value education provides an opportunity for the students to be morally committed • Conducting various programmes helps students to enhance leadership qualities 		
	Challenges		
	<ul style="list-style-type: none"> • Create more awareness on the discipline 		
	Future Plans		
	<ul style="list-style-type: none"> • Conduct national outreach programme • Implement e-based teaching • Block Placement opportunities in the other states 		



Evaluative Report of the Department of Management Studies

1	Name of the Department		Management Studies			
2	Year of Establishment		2014			
3	Names of Programs / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		<ul style="list-style-type: none"> • BBA 			
4	Names of Interdisciplinary courses and the departments/units involved					Nil
5	Annual/ semester/choice based credit system (programme wise)		BBA follows CCSS			
6	Participation of the department in the courses offered by other departments		UGC Add-On Course, Skill Enhancement course of other departments.			
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil			
8	Details of courses/programs discontinued (if any) with reasons		Nil			
9	Number of Teaching posts		Sanctioned		Filled	
			Regular	-	-	
			Guest Faculty (regular/self-financed)	1	1	
10	Faculty Profile					
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Merin Prakash	MBA	Guest Faculty	Finance	-	Nil
11	List of Senior Visiting Faculty					Nil



12	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty			
	Year	Percentages of classes		
		UG	PG	
	2014-15	100	NA	
13	Student -Teacher Ratio (programme wise):	UG	BBA	40:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled:			Nil
15	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG			
	Name	Qualification		
	Merin Prakash	MBA		
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:			Nil
17	Departmental projects funded by DSTFIST; UGC, DBT, ICSSR, etc. and total grants received:			Nil
18	Research Centre /facility recognized by the University			Nil
19	Publication details			Nil
	International Data Base			Nil
	Chapters in Books			Nil
	Books Edited			Nil
	Books Authored			Nil
	Popular Articles			Nil
	Resource Persons Or Sessions Chaired			Nil
	Papers in Seminars/Workshops/Conferences			Nil
20	Areas of consultancy and income generated			Nil
21	Faculty as members in a) National committees b) International Committees c) Editorial Boards....			Nil
22	Student Projects			Nil
23	Awards/ Recognitions received by faculty and students			Nil



24	List of eminent academicians and scientists/ visitors to the department						
	Name	Designation	Context	Year			
	Fr.Binoy Nareparambil	HOD of Management Studies, Sahrdaya College of Advanced Studies, Kodakara	Talk on recent trends in Management Education	2014			
	Binesh Enamakal	Programme director of ICAI , Kottayam Chapter	Career guidance class on CMA	2014			
25	Seminars/ Conferences/Workshops organized & the source of funding				Nil		
26	Student profile programme/course wise						
	Name of the Course/ Programme	Applications Received	Selected	Enrolled		Pass percentage	
				*M	*F		
	2014-15	UG	Online	33	-	33	-
27	Diversity of Students						
	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad			
	2014-15	UG	100	Nil	Nil		
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.				- Nil		
29	Student progression				- NA		
30	Details of infrastructural facilities						
	Library		Books in the Department and College Library.				
	Internet facilities for Staff & Students		Free Internet and INFLIBNET facility available for staff and students.				
	Class rooms with ICT facility		1 Smart Classroom				
	Laboratories/Museum		Nil				
31	Number of students receiving financial assistance from college, university, government or other agencies				- Nil		
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts						
	Year	Resource person		Program			
	2014	Fr.Binoy Nareparambil, HOD of Management Studies, Sahrdaya College of Advanced Studies, Kodakara		Talk on recent trends in Management Education			
	2014	Binesh Enamakal, Programme director of ICAI , Kottayam Chapter		Career guidance class on CMA			



33	Teaching methods adopted to improve student learning
	<ul style="list-style-type: none">• Group Discussions• PowerPoint presentations• Seminars• Assignments• Surprise tests
34	Participation in Institutional Social Responsibility (ISR) and Extension activities
	Participation in the L'Aria Fresca Project
35	SWOC analysis of the department and Future plans
	Strength
	Career Oriented Course
	Weakness
	Lack of Permanent Faculty
	Opportunity
	Increase Management Skills
	Challenges
	Lack of Proper Academic Background for Students
	Future plans
	More Programmes for Skill Enhancement



Evaluative Report of the Department of Vocational Studies

1	Name of the Department	Vocation Studies		
2	Year of Establishment	2014		
3	Names of Programs / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	<ul style="list-style-type: none"> • B.Voc in Software Development • B.Voc in Multimedia 		
4	Names of Interdisciplinary courses and the departments/units involved	Name	Depts. involved	
		Interdisciplinary Courses	Mathematics Psychology BBA	
5	Annual/ semester/choice based credit system (programme wise)	B.Voc programmes follow CCSS		
6	Participation of the department in the courses offered by other departments	Nil		
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	B.Voc in Software Development in collaboration with Wi3 Solutions, Thrissur B.Voc in Multimedia in collaboration with ICON – e Solutions, Thrissur		
8	Details of courses/programs discontinued (if any) with reasons	Nil		
9	Number of Teaching posts	Sanctioned	Filled	
		Regular	-	-
		Guest Faculty (regular/self-financed)	5	5



10 Faculty Profile						
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Reena A R	M.Com, MCA, PGDCA, DCFA, PDFD	Assistant Professor on Contract	Computer Science, Commerce, Tally, Fashion Designing	18 Teaching & Industrial Experience	Nil
	Jothy Das K.S	M.A, GNIIT, ORACLE DBA	Assistant Professor on Contract	Development Economics Networking & Database Administration	18 Technical Experience	Nil
	Sreejitha T.S	MCA, BCA, B.Sc Hardware & Networking	Assistant Professor on Contract	Computer Science & Hardware & Networking	6 Teaching	Nil
	Sameena Thomas	M.A, NET	Guest Lecturer (Part Time)	Green Study and Women's Writing	3	Nil
	Manitha Gabriel	M.Sc Maths, B.Ed	Guest Lecturer (Part Time)	Knot theory and its applications	-	Nil
11	List of Senior Visiting Faculty					
	<ul style="list-style-type: none"> • Mr. Gireesh M, CEO, Wi3 Solutions, Thrissur. • Mr. Sandeep Kurup, CEO, ICON – e Solutions, Thrissur. 					
12	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty					
	UG	Year		Percentages of classes		
		2014-15		100		
13	Student -Teacher Ratio (programme wise):		UG	B.Voc in Software Development	25:1	
				B.Voc in Multimedia	25:1	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled:					Nil



15	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG			
	Name		Qualification	
	Reena A R		M.Com , MCA , PGDCA, DCFA, PDFD	
	Jothy Das K S		M.A, GNIIT, ORACLE DBA	
	Sreejitha T S		MCA, BCA, B.Sc Hardware & Networking	
	Sameena Thomas		M.A, NET	
	Manitha Gabriel		M.Sc Maths, B.Ed	
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:			Nil
17	Departmental projects funded by DSTFIST; UGC, DBT, ICSSR, etc. and total grants received:			Nil
18	Research Centre /facility recognized by the University			Nil
19	Publication details			Nil
	International Data Base			Nil
	Chapters in Books			Nil
	Books Edited			Nil
	Books Authored			Nil
	Popular Articles			Nil
	Resource Persons Or Sessions Chaired			Nil
	Papers in Seminars/Workshops/Conferences			Nil
20	Areas of consultancy and income generated			Nil
21	Faculty as members in			
	a) National Committees/Other Committees			
	Name	Position	Committee	Year
	Reena A R	Member	Study/Preparation and approval of Regulation of B.Voc, University of Calicut	2014 onwards
	b) International Committees			Nil
	c) Editorial Boards....			Nil
22	Student Projects			Nil
23	Awards/ Recognitions received by faculty and students			Nil
24	List of eminent academicians and scientists/ visitors to the department			
	Name	Designation	Context	Year
	Dr. Manomohan C B	Former Registrar, Veterinary & Agricultural University	Inauguration of B.Voc Courses	2014
25	Seminars/ Conferences/Workshops organized & the source of funding			Nil



26	Student profile programme/course wise						
	Name of the Course/ Programme		Applications Received	Selected	Enrolled		Pass percentage
					*M	*F	
	2014-15	Software Development	33	33	-	33	-
	2014-15	Multimedia	22	22	-	22	-
27	Diversity of Students						
	Name of the Course		% of students from the same state	% of students from other States	% of students from abroad		
	2014-15	Software Development	100	Nil	Nil		
	2014-15	Multimedia	100	Nil	Nil		
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.						NA
29	Student progression						NA
30	Details of infrastructural facilities						
	Library			Books in the College Library.			
	Internet facilities for Staff & Students			Free Internet and INFLIBNET facility available for staff and students.			
	Class rooms with ICT facility			1 Smart room.			
	Laboratories/Museum			Common lab facilities utilized.			
31	Number of students receiving financial assistance from college, university, government or other agencies						Nil
32	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts						
	Year	Resource person			Program		
	2014	Adv. Vincent Joseph, Former Deputy Registrar, CUSAT Adv. in Kerala High Court			One day Orientation Program - Goal Setting, Self confidence		
		Mr. Alex Mathew, Trainer			One day Orientation Program - Leadership Skills, Multiple Intelligence		
		Mr. Sandeep Kumar CEO, ICON-e Solutions, Thrissur			Advanced Topics in WEB – Typography, Spacing, Domains etc		
		Mr. Gireesh M CEO, Wi3 Solutions, Thrissur			Latest Computing Technologies		



33	Teaching methods adopted to improve student learning
	<ul style="list-style-type: none">• Industrial collaborations• Project oriented training for each subject• Study circles• Practical oriented classes• Expert classes for each subject• ICT enabled teaching/learning• Remedial Teaching• Group Discussion• Student Seminars• Live Projects and Industry Internships
34	Participation in Institutional Social Responsibility (ISR) and Extension activities
	<ul style="list-style-type: none">• Participation in L'Aria Fresca Project
35	SWOC analysis of the department and Future plans
	Strength
	<ul style="list-style-type: none">• UGC funded Innovative Programme• Entry level students from different disciplines• Flexibility in minimum age and qualification for admission• Programmes designed in collaboration with industry• Expert faculty from various fields and industries.• Interactive teaching - learning
	Weakness
	<ul style="list-style-type: none">• Low academic background of some students• Poor communication skills in English
	Opportunity
	<ul style="list-style-type: none">• Live project participation in industries• Facilitate employment opportunities• Provide expertise and skill enhancement
	Challenges
	<ul style="list-style-type: none">• Students from multi stream• Lack of knowledge in basic technologies• Poor family background



Future plans

- A studio and multi facility lab for Multimedia
- FM station
- Organise more expert classes and seminars
- Tele film production
- Software development of live projects
- More placement opportunities



Evaluative Report of the Department of Physical Education

1	Name of the Department		Physical Education			
2	Year of Establishment		1949			
3	Names of Programs / Courses Offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		-			
4	Names of Interdisciplinary courses and the departments/units involved		Name		Depts. involved	
			Open Course Physical Activity Health and Wellness		All Departments	
			UGG Add On Yoga and Health Management Science		All Departments	
5	Annual/ semester/choice based credit system (programme wise)				NA	
6	Participation of the department in the courses offered by other departments				NA	
7	Number of Teaching posts		Sanctioned		Filled	
			Regular	1	1	
8	Faculty Profile					
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Lt. Anu D Alappat	M. PEd, NET	Assistant Professor	Basketball	5	Nil
9	List of senior visiting faculty					
	<ul style="list-style-type: none"> • Ms. Geetha Benedict, Retried HOD, Department of Physical Education, St. Mary's College, Thrissur 					
10	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG					
	Name		Qualification			
	Lt. Anu D Alappat		M.PEd, NET			
11	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:				Nil	
12	Departmental projects funded by DSTFIST; UGC, DBT, ICSSR, etc. and total grants received:			UGC Grant for Sports Equipments – Rs. 500000		



13	Publication details					
	Title	Journal	Vol	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR
Lt. Anu D Alappat						
	Osteoporosis	Annals of Basic & Applied Sciences	1	2011	National	-
	Yoga as a Science of Human Engineering	Explorations	4 (3)	2014	National	-
	International data base					Nil
	Chapters in book					Nil
	Books Authored					Nil
	Resource Persons Or Sessions Chaired					Nil
Papers in Seminars/Workshops/Conferences						
No	Title of the paper	National/International/Regional			Year	
Lt. Anu D Alappat						
1	Harvest Sports - An Overview	National			2013	
2	Lifestyle Disease	International			2014	
14	Areas of consultancy and income generated					Nil
15	Faculty as members in					
	Regional Committees					
	Name	Position	Committee		Year	
	Lt. Anu D Alappat	Joint Secretary	Hockey Kerala of Kerala		2014	
	National Committees					Nil
	International Committees					Nil
	Editorial Boards....					Nil
16	Awards/ Recognitions received by faculty and students					
	International					
	Name	Faculty/ Student	Awards/Recognition		Year	
	Preethi K	Student	First Prize Winner – Asian Beach Kabaddi Championship		2010-11	
	Sumitra K B	Student	First Prize Winner – Sub-Junior International Power Lifting Championship		2011-12	



	Dhilna M D	Student	Represented India in Water Polo for Asian Games	2012-13		
			No. of Student Winners			
			2010-11	2011-12	2012-13	2013-14
	National		15	14	5	16
	Inter - University		3	3	1	7
	State		20	18	11	46
17	List of eminent academicians and scientists/ visitors to the department					
	Name	Designation	Context		Year	
	Dr. Kishore G	Principal, LNCPE	UGC Sponsored National Seminar		2014	
	Dr. Arvind Malik	Professor, Department of Physical Education Kurshethra University				
	Dr. K P Manoj	Assistant Director, University of Calicut				
	Lt. Dr. G Sudheer	Associate Professor, Christian College, Kattakada				
	Dr. Suresh Kutty	Associate Professor, University of Kannur				
	Dr. Mary Antony	Associate Professor, Vimala College, Thrissur				
	Dr. Bimal C A	Medical Officer, Ramavarma District Ayurvedic Hospital, Thrissur				
	Dr. Mahesh Krishnan	Orthopedician, Elite Hospital, Thrissur				
	Ms. Preetha Balachandran	Founder Director, Hatha Vidhyalaya				
	Mr. Igni Mathew	President, District Sport Council, Thrissur				
	Mr. Johnson V	Founder, GEM Chess Foundation	Simultaneous Chess Competition	2014		
18	Seminars/ Conferences/Workshops organized & the source of funding					
		Program	Source of funding	Fund received		
	a)National	Hypo Kinetic Diseases and Wellness of College Students	UGC	112000		
	b)International			Nil		
19	Details of infrastructural facilities					
	Library		Books in the Department and College Library.			
	Internet facilities for Staff & Students		Free Internet and INFLIBNET facility available for staff and students.			
	Gymnasium		1			



20	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts				
	Year	Resource Person	Programme		
	2010-14	Mr. Radhakrishnan Nair	Kabaddi Coaching		
		Ms. P P Omana	Kabaddi Coaching		
		Mr. Dileep	Judo Coaching		
		Mr. Simon V V	Hockey Coaching		
		Mr. J C Madhukumar	Swimming Coaching		
		Mr. Kabir	Weight Lifting Coaching		
		Mr. Melvin Vincent	Power Lifting Coaching		
		Ms. Chithra Chandramohan	Weight Lifting Coaching		
		Ms. Dhanya	Yoga Coaching		
	Mr. Varghese	Athletic Coaching			
21	Number of students receiving financial assistance from college, university, government or other agencies				
	Funding Agencies	No. of students			
		2010-11	2011-12	2012-13	2013-14
	Kerala Sports Council	-	2	2	2
	Management	26	30	34	48
22	Participation in Institutional Social Responsibility (ISR) and Extension activities				
	<ul style="list-style-type: none"> Swimmers participated in the cleaning of the historic <i>Vadake Chira</i> Pond Sport students participated in No Car Day organised by Thrissur Corporation in association with NATPAK and ESAF. 				
23	SWOC analysis of the department and Future plans				
	Strength				
	<ul style="list-style-type: none"> Vibrant sports students who are ready to participate in different events International and National Level sports students Sport Hostel for Swimming and Hockey – Financial Assistance from Kerala State Sports Council Support of the College Management – Food, Accommodation, Study Materials, Sport Kit and Fee Concession Assistance from SAI Coaches 				
	Weakness				
	<ul style="list-style-type: none"> Lack of assistance in the clerical section of the department Lack of 400Mt track for the preparation of athletic team 				
	Opportunity				
	<ul style="list-style-type: none"> Job opportunity for sports students Create more International and National Level Players 				



Challenges
<ul style="list-style-type: none">• Students from Low Economic Background• Less opportunity for Higher Level Education
Future plans
<ul style="list-style-type: none">• An Indoor stadium with dormitories• Weight Lifting Sports Hostel



Evaluative Report of the Department of Statistics

1	Name of the Department		Statistics			
2	Year of Establishment		1980			
3	Names of Interdisciplinary courses and the departments/units involved		Name		Depts. involved	
			Core Courses		Economics	
			Complementary course		Mathematics Microbiology	
4	Annual/ semester/choice based credit system (programme wise)		CCSS			
5	Number of Teaching posts		Sanctioned		Filled	
			Regular	1	1	
			Guest Faculty	1	1	
			Part Time	-	1	
6	Faculty Profile					
	Name	Qualification	Designation	Specialization	Year of Experience	No. of Ph.D. Student guided
	Rakhi Chandran	M.Sc, NET	Assistant Professor	Statistics	0.1	-
	Julie Joseph	M.Sc, M.Phil	Guest Faculty	Statistics	2	-
	Shitha Francis	M.Sc, B.Ed	Guest Faculty (part time)	Statistics	2	-
7	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty					
	Year		Percentages of classes			
			UG		PG	
	2010-11		-		-	
	2011-12		-		-	
	2012-13		-		100	
	2013-14		26		100	
	2014-15		26		100	
8	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG					
	Name		Qualification			
	Rakhi Chandran		M.Sc, NET			



	Julie Joseph	M.Sc, M.Phil
	Shitha Francis	M.Sc,B.Ed

9	Teaching Methods Adopted
	<ul style="list-style-type: none">• Assignment and seminars• Peer teaching• Remedial teaching• ICT Enabled Teaching



Evaluative Report of the Department of Physics

1	Name of the Department		Physics			
2	Year of Establishment		1946			
3	Names of Programs / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		Complementary course for B.Sc Mathematics			
4	Names of Interdisciplinary courses and the departments/units involved		Name		Depts. involved	
			Complementary course		Mathematics	
5	Annual/ semester/choice based credit system (programme wise)		CCSS			
6	Participation of the department in the courses offered by other departments					Nil
7	Number of Teaching posts		Sanctioned		Filled	
			Regular	1	1	
8	Faculty Profile					
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Dr. Litty Mathew Irimpan	M.Sc, B.Ed, Ph.D, UGC-NET	Assistant Professor	Nanophotonics	5	Nil
9	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty					Nil
10	Number of academic support staff (technical) and administrative staff; sanctioned and filled		Sanctioned		Filled	
			Academic support Staff	1	1	
			Administrative Staff	-	-	
11	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG					
	Name		Qualification			
	Dr. Litty Mathew Irimpan		M.Sc, B.Ed, Ph.D, UGC-NET			
12	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:					Nil
13	Departmental projects funded by DST/FIST; UGC, DBT, ICSSR, etc. and total grants received:					Nil



14	Publication details					
	Title	Journal	Vol	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR
Dr. Litty Mathew Irimpan						
	Optical engineering by the nanocomposites of ZnO-CdS/TiO ₂	Optical Engineering	50(6), 069001	2011	International	48/0.88/0.755/0.437
	Optical limiting in ZnO nanocomposites	Science of Advanced Materials	2, 578–582	2010	International	22/2.51/1.029/0.750
	Spectral and nonlinear optical characteristics of ZnO nanocomposites	Science of Advanced Materials	2, 117-137	2010	International	13/2.51/1.029/0.750
	h – Index					13
	International data base					SCOPUS
	Chapters in book					
	Title	Chapter		Publisher	ISBN/ISSN	
	Handbook of Functional Nanomaterials	Self-Assembly in nanostructured ZnO		Nova Science Publishers, Ltd. (New York – USA)	978-1-62948-364-8	
	Encyclopedia of Semiconductor Nanotechnology	Spectral and nonlinear optical characterization of nano ZnO		American Scientific Publishers	(in press)	
	Books Authored					
	Title	Co-authors	Chapters	Publishers	ISBN/ ISSN	
	Spectral and nonlinear optical characterization of ZnO nanocomposites	-	7	LAP LAMBERT Academic Publishing, Germany	978-3-659-15434-8	
	Resource Persons Or Sessions Chaired					
	Dr. Litty Mathew Irimpan					
	Event		Venue			Year
	Chaired paper presentation session of UGC sponsored national		St, Mary's College, Thrissur			2014



	seminar on Frontiers in Green Chemistry		
	Chaired paper presentation session of UGC sponsored national seminar on Advanced Materials	Vimala College, Thrissur	2013
	Delivered talk on Techniques For Nanomaterial Evaluation	International school of Photonics, CUSAT, Cochin	2014
	Inaugurated Physics Association and delivered talk on Environment Consciousness	Vimala College, Thrissur	2014
Papers in Seminars/Workshops/Conferences			
No	Title of the paper	National/International/Regional	Year
Dr. Litty Mathew Irimpan			
1	Annealing effect on the spectroscopy of thin films of nanoZnO	National	2010
2	Nonlinear optical characteristics of ZnO-Ag nanocomposites	National	2010
15	Areas of consultancy and income generated		Nil
16	Faculty as members in		
	National committees		Nil
	International Committees		Nil
Editorial Boards....			
	Name	Position	Committee
	Dr. Litty Mathew Irimpan	Board Member	The Scientific World Journal, Hindawi Publishing Corporation
17	Student Projects		Nil
18	Awards/ Recognitions received by faculty and students		
	Name	Awards/Recognition	Awarding Body
	Dr. Litty Mathew Irimpan	Leading Scientists of the World – 2012 Award	International Biographical Centre, England
	Dr. Litty Mathew Irimpan	Best Paper Award	ISI Web of Knowledge
19	List of eminent academicians and scientists/ visitors to the department		
	Name	Designation	Context
	Prof. C Vijayan	IIT, Madras	Science Forum
	Dr. Reji Philip	Associate Professor, Raman Research Institute, Bangalore	National seminar on Nanobiotechnology
	Prof. V P N Nampoory	Emeritus Scientist, International School of	National seminar on Nanobiotechnology



		Photonics, Cochin University of Science and technology, Kochi		
	Dr. Krishnaprasad C	Assistant Professor, Amrita Center for Nanosciences, Kochi	National seminar on Nanobiotechnology	2011
	Prof. K Papputy	Director, Kerala State Encyclopedic Institute	Science Forum	2010
	Dr. Kavumbai Balakrishnan	President, Kerala Sastra Sahitya Parishad	Science Forum	2010
	Dr. Babu	Breakthrough Science Society	Science Forum	2011
	Sri. Anil Akkara	Development standing committee chairman, Thrissur Corporation	Science Forum	2011
	Artist Nandan Pillai	Author of science fiction " <i>Olivia kanda Swapnam</i> "	Science Forum	2011
	Prof. K R Jhanardhanan,	Environmentalist and Retired HOD, Department of Chemistry, N.S.S College, Nenmara.	Science Forum	2011
	Prof. Jagadish Kumar	Co-ordinator of Lalur Model Project for Solid Waste Management	Science Forum	2013
	Ms. Najima U	Co-ordinator of Thrissur Corporation waste disposal project	Science Forum	2013
20	Seminars/ Conferences/Workshops organized & the source of funding			
		Program	Source of funding	Fund received
	a)National	National seminar on Nanobiotechnology	UGC	90000
	b)International			Nil
21	Details of infrastructural facilities			
	Library	Books in the Department and College Library.		
	Internet facilities for Staff & Students	Free Internet and INFLIBNET facility available for staff and students.		
	Laboratories	1		
22	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts			
	Year	Resource Person	Programme	
	2013	Prof. C Vijayan, IIT, Madras	Talk on "Mathematical Thinking and Opportunities in IIT"	
	2013	Prof. Jagadish Kumar,	Seminar cum Discussion on Waste Management	



		Co-ordinator of Lalur Model Project	
	2013	Ms. Najima U, Co-ordinator, Thrissur Corporation Waste Disposal Project	Talk on “Different methods of Home Waste Management”
	2011	Dr. Babu, Breakthrough Science Society	Talk on “Life and Work of MADAM CURIE”
	2011	Sri Anil Akkara, Chairman Development Standing Committee, Thrissur Corporation	Seminar cum Discussion on Oxygen Crisis
		Prof. K R Jhanardhanan, Environmentalist and Retired HOD, Department of Chemistry, N.S.S College, Nenmara.	
		Artist Nandan Pillai, the Author of Science Fiction “ <i>Olivia Kanda Swapnam</i> ”	
	2010	Prof. K Papputy, Director, Kerala State Encyclopedic Institute	Talk on “Frontiers of Astronomy”
		Dr. Kavumbai Balakrishnan, President, Kerala Sastra Sahitya Parishad	
23	Teaching methods adopted to improve student learning		
	<ul style="list-style-type: none"> • Power point Seminars by students • Net based learning • Peer teaching • Remedial teaching 		
24	Participation in Institutional Social Responsibility (ISR) and Extension activities		
	<ul style="list-style-type: none"> • Through Science Forum, we organize talks, exhibitions, essay competitions and Quiz competitions based on a topic of social relevance every year • 2010-11 -Laser Fest in connection with golden Jubilee of Laser invention • 2011-12-Plastic Expo • 2012-13- Waste Management • 2013-14-Water Conservation • 2014-15-Family Farming 		



25	SWOC analysis of the department and Future plans
Strength	
<ul style="list-style-type: none">• ICT enabled Teaching and Learning• Well-equipped Laboratories• Organizing extension activities, talks, exhibitions, essay competitions and Quiz competitions based on a topic of social relevance every year• Publications• Reviewer to International Journals	
Weakness	
<ul style="list-style-type: none">• Subsidiary department	
Opportunity	
<ul style="list-style-type: none">• Opportunity to interact with the experts• Opportunity to promote environment consciousness	
Future plans	
<ul style="list-style-type: none">• Taking up Research Project• Inviting eminent scientists for interaction session with students• Programmes related with environment consciousness• Lab to School Programme- Inviting students of nearby schools to the lab and demonstrate experiments• Extension activities-Visit to technical institutions• Paper and Poster presentation competitions• Research Guideship• Extension talk	



Evaluative Report of the Department of Zoology

1	Name of the Department		Zoology			
2	Year of Establishment		1946			
3	Names of Programs / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		Complementary course B.Sc. Botany			
4	Names of Interdisciplinary courses and the departments/units involved		Name		Depts. involved	
			UGC Add On Course Fish farming (tenure completed)		All Science Departments	
			Complementary course		Botany	
5	Annual/ semester/choice based credit system (programme wise)		CCSS			
6	Number of Teaching posts		Sanctioned		Filled	
			Regular	1	1	
7	Faculty Profile					
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Dalie Dominic A	M.Sc, B.Ed, SET, NET	Assistant Professor	Fisheries	8	-
8	List of senior visiting faculty		Dr. Tessa J. Mandy Former HOD Department of Zoology Vimala College, Thrissur			
9	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty					
	Year		Percentages of classes			
	2010-11		U G		-	
	2011-12				50	
	2012-13				100	
	2013-14				50	
	2014-15				-	
10	Number of academic support staff (technical) and administrative staff; sanctioned and filled					Nil



11	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG					
	Name	Qualification				
	Dalie Dominic A.	M.Sc, B.Ed, SET, NET, (Ph.D thesis submitted)				
12	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:					Nil
13	Departmental projects funded by DSTFIST; UGC, DBT, ICSSR, etc. and total grants received:					Nil
14	Publication details					
	Title	Journal	Vol	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR
Dalie Dominic A						
	Qualitative analysis of ground water of Guruvayoor	Annals of basics and applied sciences	1(1)	2010	National	-
	Cost effective feed formulation for carps	Annals of basics and applied sciences	2(1)	2011	National	-
	Efficiency of aquatic Macrophytes as substitute for fishmeal	Plant archives	12(1)	2012	International	-
	A Survey of Kole wetlands with emphasis on Hydrogeographical parameter and fish biodiversity.	Millennium Zoology J.	13 (1)	2012	Regional	-
	Studies on Length – Length Relationship of Ornamental Fish Etroplus maculatus, from Keecheri-Puzhakkal River System, Kerala.	International Journal of Innovative Research and Studies.	2 (5)	2013	International	-



	Icthyofaunal diversity of Puzhakkal river – An evidence case study of rich biodiversity of Western Ghats	International Journal of Current Research	5 (6)	2013	International	-
	Current Trends in port-wise ornamental fish export from India	International J. of Current Research in Life sciences	2(9)	2013	International	-
	A Comparative Study of Hydrographic Parameters and Icthyofaunal Diversity of Chettuva Estuary	Science Chronicle- An International Multidisciplinary J	2 (1&2)	2013	International	-
	Study on the effect of Alternative feed formulation for carps	Science Chronicle- An International Multidisciplinary J	2 (1&2)	2013	International	-
	Conservation of Endemic freshwater fishes of Kerala	Science Chronicle- An International Multidisciplinary J	2 (1&2)	2013	International	-
	Catfish diversity of Puzhakkal river	Heartian Journal of Pure and Applied Sciences	3(1)	2014	National	-
International data base						Nil
Books Authored						
	Name	Title	Co-authors	Chapters	Publishers	ISBN/ ISSN
	Dalie Dominic A.	The smile	-	-	Self	ISBN 978-81-8465-331-1
Resource Person or Sessions Chaired						
Dalie Dominic A						
	Event			Venue		Year
	Chaired intercollegiate paper presentation and delivered talk			Little Flower College, Guruvayoor.		2013



	Chaired intercollegiate paper presentation – Innovative practices in Environmental Conservation	St. Mary's College, Thrissur.	2013		
	Talk on ornamental fishes	St Mary's Lady Victory Convent U.P School, Chiyaram.	2014		
Papers in Seminars/Workshops/Conferences					
No	Title of the paper	National/ International/ Regional	Year		
Dalie Dominic A					
1	Ichthyofaunal diversity of Kole wetlands of Kerala	National	2012		
2	Cyprinid Fish diversity of Puzhakkal river	National	2012		
3	Efficacy of Plant derivatives as alternative feeds for Koi Carps	National	2012		
4	Study on the effect of Alternative feed formulation for carps	National	2012		
5	Evaluation of Cyprinid resources of Puzhakkal river for their Economic value	National	2014		
6	Trade potential of indigenous fishes	International	2014		
7	Regional fish diversity in food security and wellbeing of future generation	International	2014		
Sheenaja K K					
1	Geometry in Climbing Perch	National	2010		
2	Spatial cognition in fish	National	2011		
3	Effect of Hatchery rearing and age on climbing perch	National	2012		
4	Influence of environmental complexity and use of land mark in spatial orientation	National	2012		
15	Areas of consultancy and income generated		Nil		
16	Faculty as members in a) National committees b) International Committees c) Editorial Boards....		Nil		
17	Student Projects		NA		
18	Awards/ Recognitions received by faculty and students				
	Name	Faculty/ Student	Awards/ Recognition	Awarding Body	Year
	Dalie Dominic A.	Faculty	III prize in paper presentation in national seminar	UGC Sponsored National Seminar organized by Department of Zoology and Botany, SN College, Alathur.	2012
19	List of eminent academicians and scientists/ visitors to the department				
	Name	Designation	Context	Year	



	Dr. Benny Jacob	HOD, Department of Botany, Mar Athanasius College, Kothamangalam.	Regional Seminar	2010
	Dr. Valsamma Joseph	Assistant Professor National Centre for Aquatic Animal Health, CUSAT.	Regional Seminar	2010
	Dr. C P Shaji	Principle Scientific Officer, Kerala State Biodiversity Board.	Regional Seminar	2010
	Prof. Annam John	Former HOD, Department of Physics & Division Councilor, Chembukkavu.	National Seminar	2011
	Mr I P Paul	Mayor, Thrissur.	National Seminar	2011
	Dr. Regi Philip	Raman Research Institute, Bangalore.	National Seminar	2011
	Dr. Bindhu Krishnan	Sree Kerala Varma College, Thrissur.	National Seminar	2011
	Dr. Krishnaprasad	Assistant Professor, Amrita Centre for Nanoscience, Amrita University, Cochin.	National Seminar	2011
	Dr. Joy P. Joseph	Associate Professor, S.H College, Thevara.	National Seminar	2011
	Dr. John Thomas K.	Associate Professor, Department of Zoology, Christ college, Irinjalakuda.	Talk	2011
	Mr. Santhosh Baby	Chief Executive, Aqualine Exports Nellore and Aquaculture Consultant (Ornamental fish) Planet Earth, Mysore, Karnataka.	Talk	2014
	Dr. Shehana	Gynecologist, ARMC Thrissur.	Workshop on Digital Epidemics	2014
	Dr. Simi Fabien	Gynecologist, ARMC Thrissur	Workshop on Digital Epidemics	2014
20	Seminars/ Conferences/Workshops organized & the source of funding			
		Program	Source of funding	Fund received
	a)National	Seminar on Nanobiotechnology	UGC	90000
	b)International			Nil
21	Details of infrastructural facilities			
	Library		Books in the Department and College Library.	
	Internet facilities for Staff & Students		Free Internet and INFLIBNET facility available for staff and students.	
	Laboratories		1 Lab with OHP	



22 Details on student enrichment programmes (special lectures / workshops / seminar) with external experts			
	Year	Resource Person	Programme
	2010	Dr. Benny Jacob, HOD, Department of Botany, Mar Athanasius College, Kothamangalam.	One Day State-Level Seminar 'Economics Of Aquatic Biodiversity'
	2010	Dr. Valsamma Joseph, Assistant Professor, National Centre for Aquatic Animal Health, CUSAT.	One Day State-Level Seminar 'Economics Of Aquatic Biodiversity'
	2010	Dr. C.P. Shaji, Principle Scientific Officer, Kerala State Biodiversity Board.	One Day State-Level Seminar 'Economics Of Aquatic Biodiversity'
	2011	Dr. John Thomas K. Associate Professor, Department of Zoology, Christ College, Irinjalakuda.	Invited Talk on" Environment protection : Challenge and Future Hope
	2014	Mr. Santhosh, Chief Executive, Aqualine Exports Nellore and Aquaculture Consultant, Planet Earth, Mysore, Karnataka.	Invited talk- Scope and potential of ornamental fish industry
	2014	Dr. Shehana, Gynecologist, ARMC Thrissur.	Workshop on Digital Epidemics
	2014	Dr. Simi Fabien, Gynecologist, ARMC Thrissur.	Workshop on Digital Epidemics
23 Teaching methods adopted to improve student learning			
			<ul style="list-style-type: none">• OHP• LCD• Seminars• Discussions• Demonstrations• Dissections
24 Participation in Institutional Social Responsibility (ISR) and Extension activities			
			<ul style="list-style-type: none">• Ornamental fish exhibition and sale• Celebration of Environment Day with planting of saplings and distribution of plant saplings to the students.• Extension class for students of St Mary's Lady Victory Convent U P School• Exhibitions• Participation in Election in 2010• Invited Talk on Environment Protection



	<ul style="list-style-type: none">• Participation in River Fish Monitoring Program conducted by Kerala State Biodiversity Board in 2011
25	SWOC analysis of the department and Future plans
Strength	
<ul style="list-style-type: none">• Fish farming unit• Shalabha- Butterfly garden• Museum• Museum Section for indigenous Ichthyofauna• ICT enabled teaching and learning• Well-equipped laboratory	
Weakness	
<ul style="list-style-type: none">• Subsidiary Department	
Opportunity	
<ul style="list-style-type: none">• Women empowerment through ornamental fish farming• Opportunity to interact with experts• Promote environmental protection	
Challenges	
<ul style="list-style-type: none">• Space Constraint	
Future plans	
<ul style="list-style-type: none">• Projects for women empowerment through ornamental fish farming• To conduct National Seminar.• To take up projects for Popularisation of Science	



Evaluative Report of the Department of Biochemistry

1	Name of the Department		Biochemistry			
2	Year of Establishment		2001			
3	Names of Programs / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		Complementary course BSc Microbiology Core Paper for BSc Biotechnology, MSc Biotechnology and MSc Microbiology			
4	Names of Interdisciplinary courses and the departments/units involved		Name		Depts. involved	
			Certificate Course Phytochemistry		Biotechnology	
			Complementary course		Microbiology	
			Core Courses		Biotechnology Microbiology	
5	Annual/ semester/choice based credit system (programme wise)		CCSS			
6	Participation of the department in the courses offered by other departments		B.Sc and, M.Sc Microbiology, B.Sc and M.Sc Biotechnology			
7	Number of Teaching posts		Sanctioned		Filled	
			Regular		1	
			Guest Faculty (regular/self-financed)		2(SF)	
8	Faculty Profile					
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Dr.Deepa G Muricken	M.Sc, JRF, Ph.D	Assistant Professor	Biochemistry	Teaching 2 ½ years Research 2 years	Nil
	Reshma Chandran	M.Sc	Guest Faculty	Biochemistry	Research 2 years	Nil



	Nisha K P	M.Sc	Guest Faculty	Biochemistry	Teaching 3 Months Clinical 1 year	Nil
9	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty					
	Year	Percentages of classes				
		UG	PG			
	2010-11	100	100			
	2011-12	100	100			
	2012-13	50	100			
	2013-14	50	100			
	2014-15	50	100			
10	Number of academic support staff (technical) and administrative staff; sanctioned and filled : Nil					
11	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG					
	Name	Qualification				
	Dr.Deepa G Muricken	M.Sc, JRF, Ph.D				
	Reshma Chandran	M.Sc				
	Nisha K P	M.Sc				
12	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	Name of the PI	Details of the grant			
			Funding agency	Grant Sanctioned		
		Dr.Deepa G Muricken	UGC (ongoing)	105000		
13	Departmental projects funded by DSTFIST; UGC, DBT, ICSSR, etc. and total grants received:	Nil				
14	Publication details					
	Title	Journal	Vol	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR
Dr. Deepa G Muriken						
	Protease Inhibitors:	Annals of Basic and	Vol 3, No.1	2012	National	-



	Kunitz and BBI –A review	Applied Sciences				
	Molecular engineering of a small trypsin inhibitor based on the binding loop of horsegram seed Bowman-Birk inhibitor	Journal of Enzyme Inhibition and Medicinal Chemistry	1–8	2011	International	Citation 3, Impact factor 1.6
	Functional expression of horsegram (<i>Dolichosbiflorus</i>) Bowman–Birk inhibitor and its self-association	Biochimica et Biophysica Acta	1804 1413–1423	2010	International	Citation 12, Impact factor 3.28
	h - Index					2
	International data base					Nil
Papers in Seminars/Workshops/Conferences						
No	Title of the paper				National/ International/ Regional	Year
Dr. Deepa G. Muricken						
1	Phytochemicals analysis of <i>Eupatorium odoratum</i> and the detection of lipase activity using a simple and modified method				National	2013
2	Phytochemical analysis and the role of <i>Eupatorium odoratum</i> in biowaste degradation				National	2014
3	Partial purification of lipase from <i>Eupatorium odoratum</i> leaf extract				National	2014
4	Antibacterial, larvicidal, insecticidal and phytochemical analysis of <i>Eupatorium odoratum</i> leaf extract				National	2014
5	The study detecting the presence of phytochemicals, antibacterial, larvicidal and insecticidal activity of <i>Eupatorium odoratum</i> flower extracts				National	2014
7	The study revealing the presence, detection and partial purification of polyphenol oxidase from <i>Eupatorium odoratum</i> flower extracts				National	2014



Reshma Chandran P			
1	Phytochemical and antimicrobial activities of <i>Curcuma longa</i> , <i>Curcuma aromatica</i> and <i>Coscinium fenestratum</i> .	National	2014
15	Areas of consultancy and income generated		Nil
16	Faculty as members in a) National committees b) International Committees c) Editorial Boards		Nil
17	Student Projects		
	Percentage of students who have done in-house projects including inter departmental / programme	Year	UG
		2012-13	28
		2013-14	40
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies 2010-11 to 2014-15		Nil
18	Awards/ Recognitions received by faculty and students		
	Name	Awards/Recognition	Awarding Body
	Dr Deepa G Muricken	Ph.D	University of Mysore
19	List of eminent academicians and scientists/ visitors to the department		
	Name	Designation	Context
	Dr. Denoj Sebastian	Asst Prof. Department of Microbiology, University of Calicut	Talk on Bioremediation
	Dr. Lola	Gynocologist , Jubilee Medical Mission Hospital	Ask to Doctor
	Dr Sheela Karlam	Oushadhi, Thrissur	Talk on Microbiology in Ayurveda
	Dr. Joshy C. L	Asso. Professor, St. Thomas College Thrissur	Association Inauguration
	Dr. C. K. K. Nair	PIMS, Thiruvalla	National Seminar on Emerging trends in Biopharmaceuticals
	Dr. K.S. Nandakumar	Himalaya Drug Company, Banglore,	National Seminar on Emerging trends in Biopharmaceuticals
	Dr. Hari Kumar Madhavan	BARC	National Science day Celebration
	Dr. Joby Thomas K,	Asso. Professor, St. Thomas College Thrissur	National Science day Celebration
	Dr. Joby Thomas K,	Asso. Professor, St. Thomas College Thrissur	Association Inauguration



	Dr. Santhosh Paul	Assi. Professor, S H College, Chalakkudy	To Take class	2012
	Dr. T. V. Sajeev	Scientist, KFRI	National Science Day Celebration	2013
	Dr. Manoj Mathew,	Assi. Professor, St. Joseph College Calicut	National Science Day Celebration	2013
	Mr. Gopinathan C	Asso. Prof. Department of Biotechnology, University of Calicut	National Seminar on Microbes for Green Environment	2014
	Dr Binod Parameswaram	Scientist, Division of Biotechnology, NIIST (CSIR) Trivandrum	National Seminar on Microbes for Green Environment	2014
20	Seminars/ Conferences/Workshops organised & the source of funding			
		Program	Source of funding	Fund received
	a)National	Seminar on Microbes For Green Environment in collaboration with Department of Microbiology	UGC	120000
	b)International			Nil
21	Details of infrastructural facilities			
	Library	Department library was established in the year 2012-13. Books in the Department and College Library.		
	Internet facilities for Staff & Students	Free Internet and INFLIBNET facility available for staff and students.		
22	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts			
	Year	Resource person	Programme	
	2012	Dr. Lola, Gynecologist , Jubilee Medical Mission Hospital	Ask to Doctor	
	2013	Dr. Balakrishnan K, Infertility specialist West fort Hospital Thrissur	Ask to Doctor	
	2013	Dr. Vidya Ramaswamy ,Director and Founder, INCITE, Trivandrum	Research motivation talk - Research Forum	
	2014	Dr. Jayanth P Mathew, Nephrologist, Amala Medical College and Research Centre	Ask to Doctor	
23	Teaching methods adopted to improve student learning			
	<ul style="list-style-type: none"> • Adopted practical oriented teaching for theory classes • ICT enabled teaching • Avoided the use of kits in practicals • Peer teaching • Started Department library 			



24	Participation in Institutional Social Responsibility (ISR) and Extension activities
<p>Many of our students are members of the following cells,</p> <ul style="list-style-type: none">• Conducted an awareness talk on solid waste segregation and installed separate waste bins for the same on 06-06-2013• Provided medicines for the needy people in the locality on 24-07-2014• Conducted free blood checkup and an awareness talk on kidney diseases on 08-08-2014• Conducted interactive sessions with doctors and students regarding their queries on gynecology related problems 06-12-2012• Interactive sessions with doctors regarding need of vitamins in daily life 10-01-2013• Demonstrations on first aid measures 13-12-2012• Conducted visits to neighboring houses to provide awareness regarding solid waste management on 31-10-2014• Treated sewage in the locality on 31-10-2014	
25	SWOC analysis of the department and Future plans
Strength	
<ul style="list-style-type: none">• Teachers and students with good research aptitude• Good support of Management• Minor Project• Efficient and highly qualified staff.• Student Feedback Evaluation	
Weakness	
<ul style="list-style-type: none">• Lack of Biochemistry Academic Programs• Lack of independent Laboratory	
Opportunity	
<ul style="list-style-type: none">• Opportunity for consultancy services	
Challenges	
<ul style="list-style-type: none">• Space Constraint	
Future plans	
<ul style="list-style-type: none">• To set up a laboratory for consultancy services• To offer short term courses for students• Apply for guideship• Apply for major project	



Evaluative Report of the Department of Sociology

1	Name of the Department		Sociology			
2	Year of Establishment		1946			
3	Names of Interdisciplinary courses and the departments/units involved		Name		Depts. involved	
			Complementary course		History, Economics	
4	Annual/ semester/choice based credit system (programme wise)		CCSS			
5	Number of Teaching posts		Sanctioned		Filled	
			Regular	1	1	
6	Faculty Profile					
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D Student guided
	Dr Binu K	M.A, M.Phil, PGDRD, Ph.D	Assistant Professor	Science & Society Social Research, Social Theories	Teaching 12years Research 3 years	-
7	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG					
	Name		Qualification			
	Dr Binu K		M.A, M.Phil, PGDRD, Ph.D, M.A Psychology (doing)			
8	Publication details					
	Title	Journal	Vol	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR
	Dr. Binu K					
	Roots, International Journal of Multidisciplinary Research	Post Modernism and Post Structuralism -special focus on the contribution of Fredric	Vol 1	2014	International	-



	Jameson and Jean Baudrillard				
Sociology and Environment- a theoretical overview with special reference to Eco Marxism	International Journal of Scientific and Engendering Research	Vol 4	2013	International	2.1
Gender Development and Technology – Focusing on Internet Usages in Women scientific community in kerala	Shanlax International Journal Of Arts Science And Humanities	Vol 1	2013	International	-
Information technology opportunities and challenges in Scientific productivity in Kerala.	South East Asian Journal of Socio Political Studies	Vol 2	2010	International	3.4
International data base					Nil
Chapters in Books					Nil
Books Edited					Nil
Books Authored					Nil
Popular Articles					
	Title	Journal	Vol	Year	
	<i>Manavika Vizhayagale Avagenikkaruthu</i>	<i>Malayala Manorama Daily</i>	June 29	2013	
	<i>Manavika Vizhayagale Avagenikkaruthu</i>	<i>Mathrubhumi Daily</i>	June 28	2013	
	<i>Balapeedanathinte Samuhika Sastram</i>		November 3	2013	
	Cyber Crime Truth and Realities		November 26	2013	
	Internet and Personality Development		June 11	2014	
	Philosophy of Ragging		September 19	2014	
Resource Persons, Sessions Chaired, Thesis Guided for P G Students					
Dr. Binu K					
	Event	Venue		Year	
	Chaired a session in U G C Sponsored National Seminar	Carmel College, Mala		2014	



	Chaired a session in State Level Workshop for Circle Inspectors	Kerala Police Academy, Thrissur	2014
	Chaired a session in State Level Workshop for Deputy Superintendent of Police	Kerala Police Academy, Thrissur	2014
	Chaired a session in State Level Workshop on Maoism – A Growing Challenge in Kerala	Kerala Police Academy, Thrissur	2014
	Government Higher Secondary Cluster Meeting	Government Model Boys, Kunnamakulam	2014
	Government Higher Secondary Cluster Meeting	Mar Basil H S S, Kothamagalam	2014
	Government Higher Secondary Cluster Meeting	Government H S S, Chittoor	2013
	6 MSW Students	Annamalai University	2009 onwards
Papers in Seminars/Workshops/Conferences			
No	Title of the paper	National/International/Regional	Year
Dr. Binu K			
	Participation of People in Jagrtah Samithi – A Case Study Conducted in Thrissur	National	2010
	Research Society and Educational Development in Kerala	National	2010
	Women, Culture And Media – A Sociological Analysis Of Modern Feminist Theories	National	2011
	Technology and Scientific Development - A New Challenge in Kerala	National	2011
	Techno feminism – A New Perspective of Women Empowerment	National	2011
	Information Technology and Changing Education Paradigm in Modernity	National	2012
	Education and Privatisation in Emerging Kerala - A Sociological Analysis	National	2012
	Information Technology for Higher Education for New Innovative Practices	National	2012
	Sociology and Environment Special Focus on Eco-Marxism	National	2013



	Is Internet a Reagent for Capacity Building among Women Scientific Communities in Kerala		International	2013	
	Sociology and Environment - A Theoretical Overview Special Reference to Eco Marxism		International	2013	
	Knowledge Construction in Indian Perspective		International	2014	
	Post Modernism and Post Structuralism - Special Focus on the Contribution of Fredric Jameson and Jean Baudrillard		National	2014	
	Theory and Research in Undergraduate Sociology Coursers		National	2014	
	Environmentalism versus Sustainability		National	2014	
	McDonaldisation and Changing Philosophy of Health in Modern Society		National	2014	
	Education and Regionalism – A Sociological Analysis in the Globalized Context of Kerala		National	2014	
Faculty as members in					
National/Other Committees					
	Name	Position	Committee	Year	
	Dr. Binu K	Life Member	Kerala Sociological Society	2006 onwards	
International Committees					
	Dr. Binu K	Research Participant	Globalisation of Science Project U S A	2007-2011	
Editorial Boards....					
	Dr. Binu K	Member	Roots International Multidisciplinary Journal	2014	
9	Student Projects			NA	
10	Awards/ Recognitions received by faculty and students				
	Name	Faculty/ Student	Awards/ Recognition	Awarding Body	Year
	Dr. Binu K	Faculty	Best Paper Published in South East Asian Journal of Socio Political Studies	Dhyaan Books, New Delhi	2010
	Dr. Binu K	Faculty	Best Rated Faculty Award	Kerala Police Academy, Thrissur	2013
11	Seminars/ Conferences/Workshops organized & the source of funding				
	a) National				



	Program	Source of Funding	Fund Received
	Thrissur – A Kaleidoscopic View	Management	22000
	a) International		Nil
12	Details of Infrastructural Facilities		
	Library	Books in the Department and College Library.	
	Internet facilities for Staff & Students	Free Internet and INFLIBNET facility available for staff and students.	
13	Teaching methods adopted to improve student learning		
	<ul style="list-style-type: none">• ICT Oriented• Group Discussions• Seminars• Newspaper Analysis and Current Affairs		
14	Participation in Institutional Social Responsibility (ISR) and Extension activities		
	<ul style="list-style-type: none">• <i>Lakshya</i>-Career Guidance & Empowerment Programme for Rural Youth in neighbouring communities• Extension Talk in Kerala Police Academy, KILA, Nursing Colleges, IGNOU Counselor, Extension Training Centre, Medical Colleges, ICDS Resource Pearson and other institution• Students Help Group		



Evaluative Report of the Department of Malayalam

1	Name of the Department		Malayalam			
2	Year of Establishment		1946			
3	Names of Programs / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		Common Course U G			
4	Names of Interdisciplinary courses and the departments/units involved		Name		Depts. involved	
			Common Course		All Departments	
5	Annual/ semester/choice based credit system (programme wise)		CCSS			
6			Sanctioned		Filled	
			Regular	1	1	
			Guest Faculty (regular/self-financed)	1(SF)	1SF)	
7	Faculty Profile					
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	DR Hemamalini M	M. A ,BEd, PhD, UGC NET	Assistant Professor	Criticism	16	-
	Vincy T V	M. A ,B.Ed	Guest Faculty	Criticism	1	-
8	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty					
	Year		Percentages of classes			
			UG		PG	
	2010-11		50		-	
	2011-12		50		-	
	2012-13		50		-	
	2013-14		50		-	
	2014-15		50		-	



9	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG					
	Name	Qualification				
	Dr. Hemamalini M	M. A ,B.Ed, Ph.D, NET				
	Vincy T V	M. A ,B.Ed				
10	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	Name of the PI	Details of the grant			
			Funding agency	Grant Sanctioned		
		Dr. Hemamalini M	UGC (ongoing)	50000		
11	Publication details					
	Title	Journal	Vol	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR
Dr. Hemamalini M						
	<i>Padayaniyumkadam anittakavithayum</i>	<i>Keli</i>	October	2012	National	-
	<i>MalayalathanimayuteThiruvaathira</i>	<i>Keli</i>	Issue No. 4 September	2010	National	-
	<i>Verukaludevyaghyanangal</i>	<i>Grandhalokam</i>	September	2010	National	-
Jaisy David						
	<i>Madhya vargha sangarsham Kudiyozhikkalil</i>	<i>Sahityalokam</i>	Vol. – 37 Issue – 4,5	2010	National	-
	<i>Kalpanikathayile PASTHAAYA SPARSAM</i>	<i>Vinjana Kairali</i>	Vol. – 41 Issue – 1	2010	National	-
International Data Base						Nil
Chapters in book						
	Title	Chapter	Publisher	ISBN/ISSN		
	<i>Madhavikkutty kadhakal –Oru penvayana</i>	<i>Thanuppu</i>	Olive Calicut	ISBN:978-81-921718-4		
	<i>Ottakavithapadanagal</i>	<i>Ujwalamuhurtham</i>	<i>Vallathole Vidya Peedam</i>	ISBN:111-1-07201		
	<i>Penrathrikal</i>	<i>Ethu Dukkavum Alakkam</i>	Olive Calicut	ISBN: 978938293490-5		
	<i>Vagatha Prathipathi</i>	<i>Malayal nitupanathinte</i>	DC Books	(in print)		



		<i>Lavanya darsanangal</i>		
Books Edited				
	Dr Hemamalini M	Co Editor <i>Vagatha Prathipathi</i> (in print), D C Books, Kottayam.		
Book Authored				
	Title		Publisher	ISBN/ISNN
	<i>Kanmashi Kondu Suyyane Varakkumpol</i>		Prabhath Books,2014	(in print)
Popular Articles				
	Title	Journal	Vol	Year
	Book reviews	<i>Pusthaka Kazha</i>	December September December June September January	2013 2012 2011 2011 2010 2010
	Salt & Pepper	<i>Sanghaditha</i>	Vol.3	2012
	<i>Sradha shesham-Ormakalute Kaleidoscope</i>	<i>Upadhwani ,Nava Katha pathippu</i>	May	2010
	<i>NizhalukalileVelicham</i>	<i>Deshabhimani Sthree Supplement</i>	January	2010
	<i>Sasthrasahithyam Malayalathil,</i>	<i>Deshabhimani Weekly</i>	September	2010
	<i>Thirinjunatappu</i>	<i>Madyamam Varshika Pathipe</i>	-	2010
Resource Persons Or Sessions Chaired				
	Name	Title	Venue	
	Dr Hemamalini M	Desi Inter National Seminar 2013,2014	Kerala Sahithya Academy, Thrissur	
		U G C National Seminar	MES Asmabi College, Kodungallur	
		<i>Paristhithika Sthreevadathinte Paramparya Vazhikal</i>	MES Asmabi College, Kodungallur	
Papers in Seminars/Workshops/Conferences				
No	Title of the paper			National/ International/ Regional
Dr. Hemamalini M				
1	<i>Valsalayute Novalukalile Paristhithi Padangal,</i>			International 2013
2	Anthropomorphism In Myth & Literature			International 2013
3	In A Different Voice			International 2012



4	<i>Ecofeminisathinte Paramparya Vazhikal</i>		National	2014
5	<i>Lejendukalute punarnirmithi sahithyathil</i>		National	2014
6	<i>Sahithyathile sthree swathwa parinaamangal</i>		National	2013
7	<i>Idikkaluri panampattadiyum Nava Bhavukathwavum</i>		National	2013
8	<i>Aithiyamalayidevicharithangalute Charithrapadangal</i>		National	2012
9	<i>Madhyama samskarathinte Abhiruchikal</i>		National	2012
10	<i>Padayaniyum Kadamanitta kavithayum</i>		National	2012
11	<i>Bahishkritha jeevithaghyangalile vyathirikthathakal</i>		National	2012
12	<i>Rathiyute Athmaaghyanam-Ente Kathayil</i>		National	2011
13	Voices From the Margin		National	2011
12	Areas of consultancy and income generated			Nil
13	Faculty as members in			
	National committees			Nil
	International Committees			Nil
	Editorial Boards....			Nil
	Board of Studies			
	Name	Position	Committee	Year
	Hemamalini M	Member	Department of Malayalam, St Thomas College (Autonomous) , Thrissur	2014
14	Awards/ Recognitions received by faculty and students			Nil
15	List of eminent academicians and scientists/ visitors to the department			
	Name	Designation	Context	Year
	Dr. P V Krishnan Nair	President Kerala Sangeetha Nataka Academi	Literary Seminar	2013
	Smt. Sara Joseph	Malayalam Writer ,Feminist	Seminar – Pusthaka Vicharam	2013
	Dr. Khadeeja Mumthas	Malayalam Novelist	Literary Seminar	2013
	Prof. K P Sankaran	Malayalam Critic	Translation Workshop	2014
	Smt. Rema Menon	Translator	Translation Workshop	2014
	Dr. Thomas Mathew	Malayalam Critic	Literary Seminar	2013
	Dr. C K Thomas	Director Dooradarsan Kendra, Thrissur	Literary Seminar	2013
	Prof. Kamala Devi	Professor Mysore University & Translator	Translation Workshop	2014
	Dr. C R Rajagopalan	Professor, Kerala University	UGC National Seminar	2013



	Dr. AK Nambiar	Former President Kerala Folklore Academi,Rtd Professor, School Of Drama, Kannur University.	U G C National Seminar	2013
16	Seminars/ Conferences/Workshops organized & the source of funding			
	a)National	Program	Source of funding	Fund received
		Narratology of Harvesting	UGC	150000
		Thrissur – A Kaleidoscopic View	Management	22000
		Workshop on Translation	Management	10000
	b)International			Nil
17	Teaching methods adopted to improve student learning			
	<ul style="list-style-type: none">• Dramatisation of texts• Wall Magazines• Seminars• Debates• Discussions			



Evaluative Report of the Department of Hindi

1	Name of the Department		Hindi			
2	Year of Establishment		1947			
3	Names of Programs / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		Common Course UG			
4	Names of Interdisciplinary courses and the departments/units involved		Name		Depts. involved	
			Common Course		All Departments	
5	Annual/ semester/choice based credit system (programme wise)		CCSS			
6	Number of Teaching posts		Sanctioned		Filled	
			Regular	1	1	
			Guest Faculty (regular/self-financed)	1 (part time)	1 (part time)	
7	Faculty Profile					
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Dr. May Flower K A (on maternity leave)	M.A, M.Phil, Ph.D, PG Diploma in Translation, SET	Assistant Professor	Fiction	2.9	-
	Sunitha P (on leave vacancy)	M.A , M.Phil	Guest Faculty	Criticism	1.5	-
	Sweetey Paul	M.A	Guest Faculty (part time)	Criticism	1	-
8	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty					
		Percentages of classes				
	Year	2010-11	2011-12	2012-13	2013-14	2014-15
	UG	100	100	25	25	75



9	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG					
	Name			Qualification		
	Dr. May Flower K A (on maternity leave)			M A ,B.Ed, Ph.D, NET		
	Sunitha P (on leave vacancy)			M.A , M.Phil		
	Sweety Paul			M.A		
10	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:					Nil
11	Publication details					
	Title	Journal	Vol	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR
Dr. May Flower K A						
	Thrissur Pooram	<i>Navanikash, keralvisheshank</i>	Vol. 7 Issue 4	2011	National	-
	<i>Kadasadisar ka marmig Prasang</i>	<i>Navanikash</i>	Vol 8 Issue 5	2012	National	-
	International Data Base					Nil
	Chapters in book					Nil
	Book Edited					Nil
	Resource Persons Or Sessions Chaired					Nil
	Popular Articles					Nil
	Book Authored					
	Title		Publisher		ISBN/ISNN	
	<i>Upanyaskar Chandrakantha Ka Rachana Sansar</i>		Jawahar Publications		978-81-811-146-3	
	Impacts of Terrorism and Communalism in Hindi Novels (post 1970)		Jawahar Publications		978-81-811-210-1	
	Kashmiri Kathakal (Translated Story Kashmiri Story)		Lipi Publications, Calicut		81-8801-627-6	
	Papers in Seminars/Workshops/Conferences					
No	Title of the paper				National/ International/ Regional	Year
Dr. May Flower K A						
1	The Havocs of Terrorism as depicted in <i>Kadha Sadeesar</i>				National	2012



2	The impacts of globalization on Higher Education in Hindi Literature Scenario		National	2013
3	The impacts of Terrorism on Child Characters in Hindi Literature		National	2013
4	Harvest festivals in Kerala		National	2014
5	Environmental Deterioration in context of <i>Kamayani</i>		International	2014
12	Areas of consultancy and income generated			Nil
13	Faculty as members in			
	National committees			Nil
	International Committees			Nil
	Editorial Boards....			Nil
14	Awards/ Recognitions received by faculty and students			Nil
15	List of eminent academicians and scientists/ visitors to the department			Nil
16	Seminars/ Conferences/Workshops organized & the source of funding			
	a)National	Program	Source of funding	Fund received
		Narratology of Harvesting	UGC	150000
		Thrissur – A Kaleidoscopic View	Management	22000
		Workshop on Translation	Management	10000
	b)International			Nil
17	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts			
	Year	Resource person	Program	
	2013	Dr. Arsu Retired, HOD of Hindi, University of Calicut , Guest Faculty, Central University of Kerala, Kasaragode	Regional seminar on Premchand's literature : On the touch-stone of 21st century	
	2014	Prof. K.P Sankaran Rtd. Prof., Regional College of Education, Mysore	One - Day National Workshop on Translation	
	2014	Dr. Arsu Retired, HOD of Hindi, University of Calicut , Guest Faculty, Central University of Kerala, Kasaragode	One - Day National Workshop on Translation	
18	Teaching methods adopted to improve student learning			
	<ul style="list-style-type: none"> • Dramatisation of texts • Seminars • Debates • Discussions 			



Evaluative Report of the Department of Sanskrit

1	Name of the Department		Sanskrit			
2	Year of Establishment		1946			
3	Names of Programs / Courses offered (UG, PG, M Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		Common Course U G			
4	Names of Interdisciplinary courses and the departments/units involved		Name		Depts. involved	
			Common Course		All Departments	
5	Annual/ semester/choice based credit system (programme wise)		CCSS			
6	Number of Teaching posts		Sanctioned		Filled	
			Regular	1	1	
			Guest Faculty (regular/self-financed)	-	-	
7	Faculty Profile					
	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Student guided
	Dr. K I Treesa	M.A, B.Ed, Ph.D	Assistant Professor	Sanskrit Sahithya	8yrs	-
8	Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil/PG					
	Name		Qualification			
	Dr. Treesa K I		M.A, B.Ed, Ph.D			
9	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:		Name of the PI	Details of the grant		
			Dr. Treesa K I	Funding agency	Grant Sanctioned	
				UGC (ongoing)	100000	



10	Publication details					
	Title	Journal	Vol	Year	National or International	Citation Index/ Impact Factor/ SNIP/ SJR
Dr. Treesa K I						
	<i>Vedanta Darshanathinte Kalika Prasakthi</i>	<i>VinjanaKair ali</i>	Vol 42 Issue-5	2011	National	-
	International Data Base					Nil
	Chapters in book					
	Title	Chapter	Publisher	ISBN/ISNN		
	New Horizons Of Indological Research	Methodology of Mural Painting	Bharathiya Book Corporation, Delhi	ISBN: 978-81-8315-188-7 978-81-8315-188-4		
	Bhagavad Gita – A Re-Thinking in the Modern Context	Essence of Vedantha - It's relation with Literature	Department of Vedantha, Government Sanskrit College	ISBN : 978-81-921825-0-6		
	Books Edited					Nil
	Book Authored					Nil
	Popular Articles					Nil
	Resource Persons Or Sessions Chaired					
	Name	Title	Venue			
	Dr. Treesa K I	Desi International Seminar 2013,2014	Kerala Sahithya Academy, Thrissur			
	Papers in Seminars/Workshops/Conferences					
No	Title of the paper				National/ International/ Regional	Year
Dr. Treesa K I						
1	Bhagavad Gita's Essence Vedanta – It's relation with Literature				National	2011
2	Practical Relevance of Vedanta Philosophy				National	2011
3	Vedantic Influence				International	2012
4	Rasa Theory				National	2013
5	<i>Krishi Parasara a study</i>				National	2013
6	Philosophical interpretation of rasa theory				National	2014
7	<i>Chuvar Chithrangalile Sangethikatha</i>				International	2014



8	Relevance of yoga in modern scenario		National	2014
9	Mural Painting Tradition in Kerala		National	2014
10	Rasa in <i>Natyasastra</i>		National	2014
11	Areas of consultancy and income generated			Nil
12	Faculty as members in			
	National committees			Nil
	International Committees			Nil
	Editorial Boards....			Nil
	Board of Studies			
	Name	Position	Committee	Year
	Dr. Treesa K I	Question Paper Setter	Department of Sanskrit, St Thomas College (Autonomous), Thrissur	2014
13	Awards/ Recognitions received by faculty and students			Nil
14	List of eminent academicians and scientists/ visitors to the department			
	Name	Designation	Context	Year
	Dr. Muraleedharan	Associated Professor, Sri. Shankara Sanskrit University, Kalady.	National Workshop on Translation	2014
15	Seminars/ Conferences/Workshops organized & the source of funding			
		Program	Source of funding	Fund received
	a)National	National Seminar on Narratology of Harvesting – A Comparative Study	UGC	Rs 150000
		National Workshop on Translation	Management	Rs 10000
		National Seminar on Thrissur - A Kaleidoscopic View	Management	Rs 22000
	b)International			Nil
16	Teaching methods adopted to improve student learning			
	<ul style="list-style-type: none"> • Dramatisation of texts • Seminars • Debates • Discussions 			



Post Accreditation Initiatives



Post Accreditation Initiatives

Criterion I

- Introduction of 4 UG and 5 PG Programmes
- Introduction of Ph.D Programme in Mathematics
- Introduction of 5 UGC Add Ons, 8 Certificate Courses and 8 Skill Enhancement Courses
- UG Programme in Polymer Chemistry restructured to UG Programme in Chemistry
- Regularisation of UG in Microbiology, Chemistry and PG History
- Introduction of M.Com as a regular Programme
- Introduction of 2 innovative B.Voc Programmes
- College working time rescheduled to provide additional 45 minutes to offer Add Ons and Certificate Courses to all students

Criterion II

- Initiation of Project work in UG Programmes
- Introduction of Scholar Support Programme (SSP) and Walk With Scholar (WWS)
- Student Centred Learning through increased student power point seminar presentations
- ICT enabled teaching – learning introduced in all departments
- Online correction of assignments, projects etc.
- Management policy of recruiting faculty with Ph.D or doing research to improve teacher - quality
- 13 National Seminars organised including 8 UGC Sponsored and a NAAC Sponsored Seminar
- 21 Day Residential Additional Skill Acquisition Programme (ASAP) organised
- Introduction of Internship and industry-collaboration in selected programmes
- Full automated library with INFLIBNET facility
- 92% of the faculty attended external Workshops/Seminars/Conferences
- 40% of the faculty presented papers in Workshops/Seminars/Conferences

Criterion III

- Introduction of Research Centre for Mathematics and recognition of 2 faculty as Research Guides
- Recognition of a faculty of Botany as research guide under Bharathiar University
- 50% increase in permanent faculty with Ph.D



- 9 faculty awarded Ph.D
- ISSN number for Research Journal “Annals of Basic and Applied Sciences”
- 52 Research Oriented Talks organised
- 15 UGC Minor projects undertaken
- Constitution of Consultancy Cell and enhancement of Consultancy
- 4 International and 5 other Research Awards to faculty
- MOUs with 2 industries for the introduction of 2 B.Voc Programmes
- Education Sponsorship Programme “CASP” restructured into St. Mary’s Square Outreach Sponsorship Programme
- Initiation of Out Reach activities like Vatsalyam, Computer literacy to various communities and Santwana Sparsham
- Introduction of KSCSTE Project for Popularisation of Science
- Collaboration with Oushadi for maintenance and popularisation of medicinal plants
- 20% of the salary of the Sister staff donated for social service
- Introduction of additional NSS unit
- Constitution of Bhoomitrasena Club
- Marian Monsoon Fest with participation of all Stakeholders to set up a Student Welfare Fun
- Dr. Binu K of Department of Sociology recognised by Kerala Police Academy, Thrissur as the Best External Faculty

Criterion IV

Physical facilities added

- New Hostel Block
- Old Hostel renovated to provide 36 classrooms
- 1.76 acres of land bought for sports ground
- 5 Seminar Halls with audio – video teaching aids
 - 3 AC Seminar Hall in New Block
 - 1 Non – AC Seminar Hall in St. Joseph’s Block
 - 1 AC Seminar Hall in St. Joseph’s Block
- Multipurpose Computer Centre with 50 computers of which 24 systems have language lab software
- New Browsing Centre in St. Joseph Block with 24 computers and 1 printer
- A Research Centre for Mathematics
- Two New Exam halls
- M.Sc Biotechnology and M.Sc Microbiology labs renovated for better facilities
- Tissue Culture Lab, Psychology Lab and Project Room for Microbiology
- 6 New Departments
- Renovated Toilet Block providing 30 toilets
- Health Hub
- 4 Rain water Harvesting Units
- 4 Biogas Plants



- 1 Solar Water Heater
- 1 NSS room
- 24 CCTV Cameras installed in the hostel

Library facilities added

- Renovation of infrastructure
- Upgradation of Libsoft
- Separate Library Website
- Upgradation of Register software
- 2080 books, 525 Reference books 359 Journals

Criterion V

- Constitution of Skill Enhancement Cell
- Enhanced Career Guidance Activities
- Freshships by the College, Management and SMART
- Individual Career Counselling
- Special Support to Advanced and Slow Learners
- New Clubs and Forums
- Coaching for competitive exams like NET, SET, PSC
- Spiritual enrichment programmes for students
- Medical Camps and other programmes

Criterion VI

- Marian Trust constituted
- Salary increment for guest staff
- Court cases filed to fix staff pattern for the appointment of Teaching Staff
- TQM feedback from all stakeholders
- IQAC Executive Committee reconstituted to include PTA representative, Industrialist, Student representative and Alumnae
- A NAAC sponsored National Seminar and a Management sponsored National Seminar organised by IQAC
- A National Workshop on Digital Age Pedagogy : Perspectives and Prospects organised by IQAC
- Institution of an Endowment Fund of Rs. 100000/- for conducting an Endowment Lecture and a National Paper Presentation Competition for PG students
- One student from each class assigned as Student Advisors



Criterion VII

New Best Practices

- GEM of St. Mary's Contest organised annually by Alumnae
- St. Mary's Square Outreach Sponsorship Project
- Vatsalyam – for the Poor and Needy
- Exhibitions
- RET and Herbal Gardens
- National Science Day Celebration
- NET and PSC coaching
- Teacher's Diary
- Communicative English Courses

Innovative Practices Introduced

- Computer training for different sections of society
- Adoption of Child Friendly Village
- *Santwana Sparsham* – Organ Donation Awareness Programme
- Wonder Woman Contest
- Prizes for Best NSS volunteer and NCC Cadets
- Sr. Dr. Rani George Endowment Lecture and National Level Paper Presentation Competition
- An environment related and gender related activity every year by all Departments



Epilogue

The post re-accreditation period was one of intense activity and change triggered by the Peer Team Report submitted to the College during the second cycle of accreditation. The Peer Team recommendations as well as other quality enhancement initiatives were implemented following the re-accreditation of the College with an A Grade in 2010. The four years were very productive and saw far reaching changes in all aspects of the institution. It is time now for the 3rd cycle of accreditation. The decision to submit the College for the next accreditation was taken in March 2014 and a Steering Committee was constituted to coordinate the whole process. An exhaustive Self Study of the institution was undertaken for the preparation of an honest and all - inclusive report. This comprehensive Self Study Report is the product of months of laborious data collection and compilation. The IQAC Coordinators were ably assisted by the IQAC Committee, Steering Committee and Criterion Committees in accomplishing this daunting task.

IQAC Committee 2014-15

Chariman and Principal	Sr. Dr. Jacintha C C
Vice Principal	Sr. Mary K P
Co-ordinator	Dr. Josepheni Joseph
Joint Co-ordinator	Dr. Julie P Lazar
Office Superintendent	Sr. Lissy P V
PTA Representative	Mr. Suresh Kumar K
Alumnae Representatives	Ms. Soja K K Ms. Vijayalakshmi K
Local Community Representative	Prof. John Cyriac Prof. Annam John
Industry Representatives	Ms. Priya Chackola
Student Representative (Chair Person)	Ms. Aiswarya M

Steering Committee

Dr. Josepheni Joseph	Dr. Julie P Lazar	Sr. Dr. Magie Jose
Dr. Hemamalini M	Dr. Litty Mathew Irimpan	Dr. Geetha T



Criterion Committees

Criterion I - Curricular Aspects	Ms. Jency James Ms. Mimi K M
Criterion II - Teaching, Learning and Evaluation	Dr. Geetha T Dr. Dhanya K C Dr. Meera C R
Criterion III - Research, Consultancy and Extension Irimpan	Dr. Litty Mathew Ms. Dalie Dominic Ms. Simmy A M
Criterion IV - Infrastructure and Learning Resource	Ms. Betsy Chacko Ms. Sherline T I
Criterion V - Student support and Progression	Dr. Julie P Lazar Dr. Regi Raphael
Criterion VI - Organization and Management	Sr. Dr. Magie Jose Ms. Meera Mohanan Ms. Merin Prakash
Criterion VII – Innovations and Best Practices	Dr. Hemamalini M Ms. Neethu R Ms. Reena A R

Compilation and Technical Assistance

Jyothis Das K S, Shitha Francis, Libin P Anto, Freddy Chacko



*The Principal,
St. Mary's College
Thrissur-680 020*

Established in 1946



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E-mail : smctsr@gmail.com
website : www.stmaryscollegethrissur.edu.in

Re-accredited at 'A' Grade in 2010 by the NAAC

Certificate of Compliance

(Affiliated /Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that St Mary's College, Thrissur-680020, Kerala State, fulfils all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council /Body (such as U/GC, NCTE, AICTE, MCI, DCI, BCI, etc.) and
3. The affiliation and recognition (if applicable) is valid as on date.

In case the affiliation /recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the College website.

Date: 18/12/2014

Place: Thrissur

Jacintha C C
Dr. Sr. Jacintha C C

PRINCIPAL,
ST. MARY'S COLLEGE
THRISSUR - 20





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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.

This 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.

Place: Thrissur

Date: 18/12/2014

Paccitka
Signature of the Head of the Institution
PRINCIPAL,
ST. MARY'S COLLEGE
THRISSUR - 20

