



St. Thomas College
Kozhencherry, Kerala

(Affiliated to Mahatma Gandhi University and
Re-accredited by NAAC, B++, 2007)



SELF STUDY REPORT

**THIRD CYCLE RE-ACCREDITATION
2014**

Submitted to

**NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL
BANGALORE 560072**



St. Thomas College

KOZHENCHERRY, KERALA STATE- 689 641

Phone: 0468-2214 566 Fax: 0468-2215 543

Website: www.stthomascollege.info ● E-mail: stthomaskozhy@gmail.com



(Affiliated to Mahatma Gandhi University)

Re-accredited by NAAC with B++ (2007)

SELF STUDY REPORT

Submitted to

National Assessment and Accreditation Council

Bangalore -560 072, India



St. Thomas College

KOZHENCHERRY
KERALA STATE- 689 641

Re-accredited by NAAC with B++

Phone: 0468-2214 566

Fax: 0468-2215 543

www.stthomascollege.info

stthomaskozhy@gmail.com

No. STC/NAAC/Re-Accrd/SSR/2014

Date: 02/09/2014

The Director

National Assessment and Accreditation Council

P.O.Box No. 1075

Bangalore -560 072

Sir,

Sub: *Self Study Report for Third Cycle Re-Accreditation 2014*

In accordance with the LOI requirement, we hereby submit the Self Study Report in respect of the Third Cycle of Accreditation for the period 2008 – 2014.

We are glad that the preparation and submission of the report has offered us an opportunity for the total involvement of the entire stakeholders which has added vigour and strength for quality sustenance of the institution.

We are looking forward to your co-operation and guidance for Peer Team inspection and evaluation.

Yours faithfully

Principal/ Head of the Institution



PROF. ROYS P DAVID
PRINCIPAL
ST. THOMAS COLLEGE KOZHENCHERRY
KERALA STATE - 689 641

PREFACE

The Malankara Mar Thoma Syrian Church, a staunch ally of an epoch-making social movement of the nineteenth century, was led forward by the lamp of Reformation popularly known as 'Naveekarana Prasthanam'. Mar Thoma Church, part of the great tradition of the Malankara Syrian Church which had been formulated by St. Thomas, one of the twelve apostles of Jesus Christ, wielded education during the progressive period of Reformation in Kerala, as a mighty weapon for the liberation of the downtrodden masses from their stigmatized ignorance and backwardness.

The establishment of St. Thomas College at Kozhencherry in 1953, as part of the altruistic missionary zeal of the church during Reformation, was the second educational venture under the auspices of Mar Thoma Church. The founding fathers, late Most Rev. Dr. Juhanon Mar Thoma Metropolitan and late Rev. K.T. Thomas Kurumthottickal, envisaged the college as an instrument for the realization of a bold vision that aimed at providing quality education to the people of the remote hilly regions of Eastern Kerala. The last six decades of the momentous historical span of the college has borne witness to the successful fulfilment of the vision of the founding fathers. The college has gone further into newer dimensions, innovations and endeavours which are impactful and relevant to the shaping of the lives of contemporary and future generations of youngsters.

Ever since its inception, the institution holds aloft, at every step forth, the noble mission of imparting sound Christian liberal education, and producing intellectually well trained, morally upright, socially committed and spiritually inspired young men and women. Various courses of studies, augmenting the creative and proactive faculties of the younger generation, were introduced from time to time. Re-accredited by the National Assessment and Accreditation Council, an autonomous agency of the UGC, with B++ grade, the college was first affiliated to the Travancore University and later to the University of Kerala. Since 1983, it has been affiliated to the Mahatma Gandhi University, Kottayam. The erstwhile Travancore Royal Family honoured the institution with the 'Rajamudra' (a prestigious memento with the official 'conch' insignia) in 2013, an award of recognition unprecedented, for the valuable contributions of the college towards the enhancement of the holistic life-standards of varied communities inhabiting the far-flung eastern hilly regions of the State of Kerala. The National Commission for Minority Educational Institutions of the Government of India has declared the college as Minority Educational Institution, covered under Section 2g of the NCM EI Act 2004, in 2013. The college, set in a rustic serene locale, as part of its seminal strides onward, deems it important to embrace state-of-the-art academic facilities for researchers and students..

Prof. Capt. Dr. Roys P. David
(Principal)

CONTENTS

	Page
A Executive Summary and SWOC Analysis	9
B Profile of the Institution	21
C Criteriawise Analytical Report	
I. Curricular Aspects	37
II. Teaching, Learning and Evaluation	51
III. Research, Consultancy and Extension	77
IV. Infrastructure and Learning Resources	139
V. Student Support and Progression	153
VI. Governance, Leadership and Management	187
VII. Innovations and Best Practices	215
D Post Accreditation Initiatives	221
E Evaluative Report of the Departments	225
F Declaration of the Head of the Institution	
G Undertaking by the Head of the Institution	
H Annexures (Attached Copies of the following)	
• Documents Showing Minority Status	
• Certificate of 2(f) and 12(b) of UGC Act	
• Accreditation Certificate	
• Peer Team Reports	

A. EXECUTIVE SUMMARY

The establishment of St. Thomas College, Kozhencherry in 1953 was the realization of a vision that aimed at providing quality education to the people of the hilly regions of central Travancore. The founding fathers envisaged the college as an instrument for enlightening, ennobling, and enriching the community by fostering academic excellence, moral integrity and social commitment in young men and women. The last 60 years have borne witness to the fulfillment of this dream by transforming the agrarian community into bustling centres of activity with all modern amenities and sophistication of the global economy. Curriculum, teaching learning process, research consultancy and extension, infrastructure and learning resources, student support and progression, governance, leadership and management and innovative practices in the institution have all been focused on the achievement of this vision.

Curricular Aspects

The college addresses the need of the beneficiaries by introducing modernized courses, vocational programmes, value-added courses, value education and programmes aimed at academic excellence of the students. Three new courses (Two graduate and one post graduate) and two research centres have been introduced in the college in the post accreditation period. Four UGC aided add-on courses, five value addition short term courses and five enrichment courses were also introduced in the institution. The college follows the syllabi and curriculum formulated by the Mahatma Gandhi (MG) University. The institution has undertaken various programmes for curriculum development and implementation. There has been active involvement of the faculty in various seminars, workshops and discussions for curriculum development, organized by professional bodies and Board of Studies of different disciplines. Two HoDs and five members of the faculty were Chairpersons and Members on their respective Undergraduate Board of Studies, while five teachers of the different disciplines were members on the PG Board of Studies which restructured the PG curriculum. All the Departments of the college conducted training programmes on the functioning of the newly introduced Choice Based Credit and Semester System (CBCSS) for the teachers, students and parents. The college has opted Open Courses which are most sought after by students and which would enable them to face the challenges of the global scenario as part of CBCSS UG programme. Various enrichment programmes aimed at value education and awareness in social citizenship roles are provided to the students through different associations, clubs and forums. The institution offers ten value addition courses befitting their employability. Short term certificate courses designed by the institution are aimed at developing the

diversified skills of students. Certificate courses in Communicative English and Basic Computer Awareness Programme are offered to all students. These enable the students to respond to regional and global job opportunities and research.

Teaching Learning and Evaluation

Admission procedure is made transparent to streamline procedures more systematically and to increase access to higher education for socially and economically deprived sections of students. Centralized Allotment Process is followed in colleges affiliated to Mahatma Gandhi University for the UG and PG courses from 2009-2010 onwards. Students are free to opt the course and college of their choice from the website of Mahatma Gandhi University to which the college is affiliated. Of the total capacity, 50% is reserved for merit. Out of the total merit seats available, 3% of the merit is reserved for physically challenged (blind, deaf and orthopaedically challenged), two seats in each programme are reserved for candidates with outstanding records in sports and games and one seat in each programme is reserved for candidates with outstanding records in cultural activities. 20% of the seats are reserved for SC/ST on the basis of merit. 10% of the seats is reserved for community on the basis of merit. 20% is reserved as Management quota. Orientation classes are arranged by each department at the very beginning so as to enable the students to cope with the programme. The aims and objectives of the programme will be clearly explained to the students. Class teachers, mentors and tutors identify slow learners and provide them necessary remedial and bridge courses. IQAC discusses different aspects of teaching learning process periodically to ensure teachers to implement student centric methods of teaching learning giving emphasis on ICT and participatory teaching and learning process. Seminars, Poster display, Quizzing etc. are organized in the College. Modern learning aids like smart board, white board, LCD projectors, Internet access etc. facilitate student centric learning. Learning methods like group work, role plays, case study, debates, mind mapping, co-operative learning, Group investigation model, Case study model etc. supplement class room teaching. Teachers are given training for ICT enabled teaching technologies and workshops are arranged to engage in modern learning techniques. Training on group discussions, methodologies of collaborative and participatory learning are provided to teachers. Conventional lecture method modified with the use of charts, diagrams, illustrations using working models, demonstration in theory and practicals, group discussions, field studies, outreach programmes, discovery learning, surveys etc. have been followed as part of collaborative learning practice. Along with the Departments, Common Computer Facility Service Centre enables students and teachers to access Internet. NMEICT project of the Government of India (Ministry of Human Resources) along with the financial support of PTA provide unlimited internet facility to all departments, administrative office and computer centre.

INFLIBNET is introduced at the Common Computer Facility centre, which provides access to a number of national and international e- journals to both teaching staff and students. National seminars are organized periodically to enhance the advanced level of knowledge. Invited lectures by eminent scholars in various fields are a regular practice of the institution. The college library is centralized and plays a pivotal role in the effective teaching-learning process. The library remains open from 8.30 a.m. to 4.30 p.m. on week days and from 8.30 a.m to 2.00 p.m. on Saturdays. The library has a comprehensive collection of about 55,000 books which include general books, academic books, academic journals, research journals, periodicals of national and international importance etc. The college follows a transparent, impartial, judicious process for the selection of teaching faculty. The policies of the Management are such that candidates with excellent academic background, professional qualifications and managerial capacity are selected. About 50% of the teachers are Ph.D. holders and 12 teachers are pursuing research leading to Ph.D. Many teachers are invited as resource persons in Workshops/Seminars/Conferences organized by external professional agencies, participate in external Workshops/Seminars/Conferences recognized by national/international professional bodies and present papers in Workshops/Seminars/Conferences conducted or recognized by professional agencies. The institution monitors and communicates the progress and performance of students throughout the course/programme through internal assessment: the marks are displayed on the Department notice boards and grievance, if any, is addressed. PTA meetings are organized after every internal examination and parents are informed of the grades obtained by their wards. The academic committee ensures that the academic activities are on par with the aims and objectives of the institution. It reviews the performance of the institution with respect to the curricular, extracurricular and research activities.

Research, Consultancy and Extension

Six departments are recognized as Research Centres by the University. The institution has a Research Committee which monitors the activities of the Multidisciplinary Research Centre and addresses the issues of research. The committee consists of 15 members. Teachers have carried out three Major and 31 Minor Research Projects under the financial assistance of the UGC during the post accreditation period. A peer reviewed REYONOjournal of interdisciplinary studies is published by the college with ISSN No. 2277-7652. It seeks to promote, coordinate and disseminate intellectual deliberations among academia. Published biannually in January and July, the journal features original research papers of interdisciplinary nature pertaining to Science, Humanities and Social Sciences. All the Science Departments of the institution are supported by DST-FIST Scheme worth Rs. 80,00,000/-. 21 teachers of the college are Research Guides approved by Mahatma Gandhi

University. 11 National level programs were conducted by the institution with focus on capacity building in terms of research and imbining research culture among the staff and students. The prioritized research areas of the institution are: Machine Learning and Artificial Intelligence, Theoretical Cosmology, Foundations of Quantum Mechanics, Thin film studies in Physics, Inorganic Chemistry, Algal Ecology, Mycology, Aerobiology/ Palynology in Botany, Neurophysiology and Toxicology, Reproductive Physiology, Taxonomy, Wild life Biology and Fresh Water Ecology in Zoology, Finance, Investment and Portfolio Management, Banking in the Department of Commerce. Department of English has Feminism, Indian Writing in English and Postcolonial literature as priority areas of research. Fiction and Functional Hindi, Narrative Techniques, Craft of Novel, Manuscript Documentation are the preferred areas for the Departments of Hindi and Malayalam. Collaborative research facilities are utilized by research departments with ISRO (Development of machine learning tools for research in Astronomy, ISRO RESPOND laboratory), Algological Society of India, Chennai, and Cluster computing facility in collaboration with IUCAA, Pune. Our faculty have published more than 100 papers in peer reviewed journals (national/international), authored books, contributed chapters in books of national and international repute, and edited books. One research scholar in the Department of Physics is doing Post-doctoral fellowship in South Africa. Incentives were given to faculty by the College Management as recognition of their achievement. The following are the major consultancy services provided by the institution: Setting up parallel computing systems, as Co-PIs in Virtual Observatory India project and VO-South African Large Telescope Project, Mushroom growing, Tissue culture, Pollution analysis, Machine learning, Computer aided resource management and Electronic instrumentation. The vision statement and one of the mission statements of the college focus on community related studies and extension programmes beneficial to the community. The NCC, NSS and various associations and clubs groom students into disciplined and patriotic citizens and give them special training in personality development and human resource development, inculcating in them comradeship, leadership, secular outlook, spirit of adventure and ideals of selfless service. Periodic orientation given to students ensuring their involvement in co-curricular and extension activities enable their holistic development. The Noon Meal Programme has set an example to students and has made them aware of social responsibilities. PSC Coaching, NET Coaching etc. provide opportunities to a large number of students, especially the underprivileged, to appear for the competitive examination. NSS Unit of the institution is awarded with third position in the Mahatma Gandhi University. Erstwhile Maharaja of Travancore (Royal family) has awarded RAJAMUDRA to our institution as a mark of respect to the institution for its social commitment. The industry-institution-community interactions have resulted in the establishment of i) Computer Science Neural Network in collaboration with IUCAA, ii) Mushroom cultivation in collaboration with Kozhencherry Grama Panchayat, and (iii) Tissue Culture

in collaboration with Krishi Vijyan Kendra, Thelliyoor. A Public Facility Laboratory accredited as 'Type B' has been set up in consultancy with Kerala State Pollution Control Board for pollution analysis.

Infrastructure and Learning Resources

The institution has a transparent mechanism for improving infrastructure and learning resources implemented through the Governing Council, IQAC, Planning Board and Staff Council, each with sufficient representation of teaching faculty. The institution utilizes maximum funds from agencies like the UGC, DST, FIST, SCSTE, Alumni, PTA, and from the Staff for the infrastructural development. During the post accreditation period, in tune with the recommendations of the NAAC peer team, the college has witnessed a sea change in its infrastructure facilities. The college has 60 well-furnished classrooms and 17 laboratories. Computers with internet facility and LCD projectors etc. are provided to all Departments for ICT enabled learning. The multipurpose Dhyanakendram and the modernised A/C conference hall (Dr. Juhanon Mar Thoma Hall) are used as seminar halls. The tutorial activity is being conducted very effectively and regularly in the college since 1995. The Language Lab in the Department of English provides Communicative English Courses and the Common Computer Lab is the IT hub of the college. A Public Facility Lab, accredited as Type B Lab by the Kerala State Pollution Control Board, is available for soil and water quality tests. Along with the existing botanical garden consisting of 150 plant species, a medicinal plant garden with about 100 species of medicinal plants is nurtured on the campus by the Department of Botany. Under the UGC-NRC Scheme, the UGC has approved the college as a Network Resource Centre and provided funds for the procurement of computers and multimedia materials. The NME-ICT (National Mission on Education through ICT) funded by the Government of India is a project whereby all the institutions of higher education are mutually connected and seamlessly integrated with the National Knowledge Network. Departments of Mathematics, Physics and Zoology have academic tie-up with Kerala Mathematical Association, IUCAA, Pune, Tropical Institute of Ecological Science, Kottayam, School of Environmental Science, MG University and Inland Fisheries Research Centre, Pannivelichira respectively. A spacious auditorium for conducting cultural activities, seminar halls in the Departments, Health Centre, Counselling Centre, modernized Conference Hall, Career Guidance and Placement Centre, Office rooms for NSS, NCC, Centre for Women's Studies are available on the campus. A Health and Fitness Centre has been installed in the college premises. Yoga is practised in the fitness centre. The college campus encompasses a stadium, basketball court, volleyball court, football court and an indoor badminton court with necessary infrastructure. The major developments include: New Women's Hostel with plinth area of 893.3 sq. mts, a project provisioned for in the special scheme of the eleventh plan of the UGC; Health and Fitness Centre with the support of the UGC, SAI, the Management and the contribution of the

family of a late alumnus; Dhyanakendram; Biogas plants; Solar photovoltaic systems; modernized A/C seminar hall; renovation of Administrative Block; Rainwater Harvesting Unit; English Language Lab; Common Computer Lab; Public Facility Lab for soil and water quality tests; toilets for boys and girls; renovation of Ladies' Waiting Room; Model medicinal garden; and renovation of old buildings. Women's hostels provide accommodation for about 100 students. Recreational facilities for hostellers are available on the campus. Accident Insurance Scheme has been provided for all students. Health awareness and blood donation camps, cancer detection camps and classes on cancer and other illnesses were carried out by the Women's Cell, Women's Studies and the NSS. Provisions have been made available for safe drinking water.

The total area of the library is 14,400 sq. ft. The library is well equipped with all modern amenities required for the collection and collation of information and knowledge bases required at student level to research level. The details of all books in the library are fed into a digital library management system using the software SOUL developed by UGC- INFLIBNET. The ICT and other tools deployed to provide maximum access to the library collection are: OPAC, Online Public Access Catalogue and SOUL, Software purchased at concessional rate from INFLIBNET centre, Ahmedabad through MG University, Kottayam. Students, especially at the PG and research level, make use of IT facilities to make presentations and conduct seminars. The Santhom Computer facility under the Department of Physics is a collaborative effort of the teachers and students.

Student Support and Progression

The Institution publishes its updated prospectus and academic handbook every year. It also provides the vision and mission statement of the institution. The college handbook imparts information regarding the history and governance of the institution, details regarding Choice Based Credit and Semester System, Rules and regulations of the University, Courses offered, Approved Research Centres of the College, Research guides, Short-term courses, Add-on courses, Attendance and leave application, Rules of admission, Fee structure, Fee concession, Instructions regarding payment of fees, General rules of discipline, Library rules, Approved residence for students, Rules of the hostel, etc. The institution provides financial assistance to students on the basis of merit and means in the form of scholarships and endowments. 20% of admission through Management Quota is set apart for socially and economically weaker sections of the society. Student support activities such as Counselling, Orientation programmes, and Leadership programmes are organized by the college. The various competitions held by the College Union, different forums like NSS, Women's Cell, Department Associations, Inter-Departmental Cultural and Sports competitions, and the training programmes

organised by the college encourage and equip students to participate in competitions at the intercollegiate, university, state and national levels. Slow learners of the Undergraduate courses are given remedial coaching by all the Departments. The Career Guidance Centre and Counselling Centre equip students to hone their natural skills and acquire competence to fare well in competitive examinations and interviews. Coaching classes for NET are conducted by experts and professionals from the institution and outside under the aegis of the UGC/NET Coaching Centre. Students Redressal Committee comprising of the Principal as Chairman, three teachers (of which one is a lady) nominated by the Staff Council, and two student representatives is functioning in the college. A Cell to Combat Sexual Harassment has been constituted in the college as per UGC guidelines. An Anti-ragging Committee is functioning on the campus against any attempt of ragging. 21 welfare schemes are available in the college for the benefit of students. The Alumni Association has instituted awards to the best outgoing students of various departments. A global alumni meet was organized in the institution during the diamond jubilee celebrations of the college with the support of all alumni chapters around the globe. 16 co-curricular facilities are available in the institution for students. The College has a Students Union consisting of elected student members as per Mahatma Gandhi University rules which promotes, coordinates and organizes activities targeting the holistic development of the students.

Governance, Leadership and Management

The vision and mission of the college reveals the quality policy of the institution. The mission statement defines the distinctive characters of the institution in societal, traditional and value orientation perspective. Management started the institution with a missionary zeal by imparting liberal education to the rural poor in the 1950s. The institution is endeavouring for changes in its mode of functioning to meet the challenges in the global scenario. Special consideration for the economically weak and marginalized students from the eastern part of the central Travancore is given in the admission process through well-defined norms. Appointment of the faculty is on the basis of merit. Democratic and transparent governance and grievances redressal mechanism for teaching and non-teaching staff are special features of the administrative set up. The Governing Council is the management body of the institution. The Manager is the President and Principal is the secretary of the council consisting of 12 members. An elected representative from the faculty and the Principal of a sister institution of the Mar Thoma Church are also included in the 12-member body. The Principal is the academic and administrative head of the institution and facilitates the overall development of the students and the faculty. He co-ordinates and supervises the curricular and co-curricular activities of the institution with the support of the faculty and staff council. Staff Council, IQAC, Department Council and college staff meeting of teachers take a very significant role in the design and implementation of the quality policy of the institution. IQAC takes the

initiatives for quality sustenance and enhancement. In order to increase the employability of students, the institution is providing vocational courses and enrichment programmes along with the traditional courses. The Management of the institution sanctions necessary leave to the faculty for their academic improvement like research leading to Ph.D, provides space, and encourages those who are supervising research students in our centres and elsewhere. The faculty of the institution are supervising fourteen scholars registered in the college research centres and sixteen of our teachers are research guides in and outside the campus. Leadership training programmes for students are conducted every year for grooming the students. The Management of the institution is very particular in assigning at least one task in academic, cocurricular and extension activities to the faculty members. The institution promotes democratic decentralized participatory governance at all levels with the use of vertical and horizontal communication. Meetings of teachers at the college level, department level and sub committees of IQAC discuss on various areas of concern and bring suggestions and proposals for implementation. The Department has the autonomy to assign teaching work, conduct add-on courses, convene subject association meetings, convene meetings of parents and alumni, conduct tutorial and mentoring, and responsibility of internal assessment. The institution arranges orientation programmes, seminars, workshops and invited talks for faculty members. The college has an Employee's Co-operative Society and a Co-operative Store run by the staff. Major source of funding for the institution is from the UGC. At the time of admissions Parent Teacher Association request parents for financial support for the conduct of the Department associations and potential services of PTA in the day to day activities of the institution. Teachers and non-teaching staff contribute for the infrastructural facilities which are not supported by the grant-in aid programme of UGC and in cases of insufficiency of the grants. The IQAC is constituted as per the NAAC norms for academic planning, monitoring and evaluation, and for necessary corrections with respect to quality assurance. Students are actively involved in the quality assurance activities through IQAC as members of the committee. Academic audit is conducted by the department council at the end every academic year and results are analysed for better imparting of the curriculum to the students where ever necessary.

Innovations and Best Practices

In tune with the growing global awareness of ecological issues, the college has set up a major initiative in making the campus green and eco-friendly. Innovations during the post accreditation years have created a positive impact on the functioning of the college. The college has now a partnership initiative with Tropical Institute of Ecological Sciences, Kottayam, a non-governmental organisation which is a pioneer in the field of social and ecological studies and community extension and development projects in Kerala. The initiatives

SWOC ANALYSIS OF THE COLLEGE

Strengths

- The vision and mission of the institution is accomplished by the activities of the institution.
- Special grade College under Mahatma Gandhi University with Six Research centres, Nine PG Courses, Fifteen UG courses, Four UGC aided Add-on courses.
- The faculty members, in the board of studies of the Mahatma Gandhi University to which the college is affiliated, are actively involved in the curriculum design and restructuring of the PG and UG programmes.
- The diversity of student community admitted on community merit and management quota have transparent norms developed by the College Governing Council.
- The college utilises ICT in teaching-learning at a wider scale enabling student-centered learning more effective.
- Competence of faculty as indicated by the number of Ph.D holders and those who are pursuing research, authored and edited books, research publications and participation in exchange programmes with foreign universities is commendable.
- The institution publishes a peer reviewed accredited interdisciplinary research journal REYONO with ISSN No.2277-7652
- The participation of faculty in faculty development programmes like refresher /orientation/short-term courses, invited talks, in house training programmes, seminars, conferences and workshops is an indication of the policy of the institution in empowering and supporting faculty enrichment.
- The research output of the faculty members are comparable to that of the departments in universities.
- Extension activities through NSS, Women's Cell and NCC are well accepted by the community at large.
- Adoption of a village school by the Department of English, a settlement colony by NSS, Home for the Homeless by the college community as part of Diamond Jubilee celebrations.
- Feedback mechanism to improve the quality of teaching learning process.
- The student support mechanism like noon meal scheme, regular PTA meetings, scholarships etc. has reduced the drop-out rate to very low.
- Cordial relationships between and among students, teachers, non-teaching staff, members of PTA, Alumni etc.

- Library with more than 14,000 Sq. ft area with SOUL Package, internet, INFLIBNET, reprographic and online reading facilities.
- Adequate infrastructure in terms of furniture, computers and laboratory equipments.
- Facilities like Post Office, Co-operative Society, Co-operative store, Canteen, Hostels, Seminar Halls etc., are available.
- The Kerala State Pollution Control accredited Public Facility Laboratory managed by the Department of Zoology, ISRO Funded project run by Department of Physics, District Medicinal Plants Demonstration Garden protected by fencing and species name boards managed by Botany Department.
- Dhyanakendram, modernised A/C seminar hall, gymnasium and new ladies hostel block.
- Global Alumni meet held in the college as part of Diamond Jubilee Celebrations of the college.
- Introduction of Carbon sequestration programmes like solar photovoltaic system, solid waste management, rain water harvesting, energy audit etc.
- All science departments funded by DST under FIST scheme.
- Rajamudra, a symbol of the recognition to the institution by the Travancore Royal Family, erstwhile rulers of Travancore.
- Short-term Course in Communicative English, Basic Computer course, Ornamental fish culture, Mushroom culture, Electronic workshop; Language Laboratory, Common Computer facility etc. help students for value addition.
- Campus without student strikes.
- Student Insurance under United India Insurance Company.
- College Anthem developed by the college community.

Weaknesses

- Lack of autonomy and dependence on university for curriculum design has constrained the development of new courses.
- The government's discretionary power decides the sanctioning of new programmes and new courses, appointment of staff etc.
- Lack of hostel facilities for boys is a major constraint in attracting talented students.
- Inadequacy of drinking water through Panchayath water supply scheme.
- Inconsistent electric power supply.

taken by the college to make the campus eco-friendly include beautification and plantations on the campus, energy saving activities, carbon sequestration programmes, rain water harvesting, biogas plants, renovation of dugout wells for drinking water supply, medicinal plants demonstration plots, water testing facility, documentary preparation, eco-awareness classes etc. Internet connectivity to all the departments, introduction of INFLIBNET and N-List for e-resources in the research departments, computer literacy drive, language laboratory, accredited research journal, ICT enabled teaching facilities, mediation centre, fitness centre etc. are the major innovations. In the curriculum transaction, innovations like co-operative learning, Group investigation model, Case study model, Film based learning, Mind mapping, Experiential learning are practised in selected classes in a trial manner. Starting from the admission procedure, the college community, especially the Management and Parent-Teacher Association, gives special consideration to Dalit and socially and economically backward students. This is a unique act of compassion shown to the weaker sections of society in imparting higher education to them which is the vision of the institution. The college community generously contributes to support distressed employees or students, by taking part in fund mobilization campaigns. Water harvesting is a major thrust in the institution. Water tank with a capacity of 5 lakhs litres, constructed forty years ago, was renovated investing more than 5 lakhs rupees, and is used to harvest rain water for use on the campus and the women's hostel. The Public Facility Laboratory run by the Department of Zoology is used by the college and the public in and around Kozhencherry to check the quality of the water they consume as part of the water quality management practice of the institution.



Opportunities

- Introduction of more academic programmes in future.
- Dissect the land area for other activities like agriculture, community education facilities etc.
- Construction of hostels and quarters for students and staff respectively.
- Scope for a separate Bio-diversity research centre.
- Extension of photovoltaic system.
- Green campus.
- Vocational training and counselling for students and parents.
- Improvement of Sports through development of synthetic track, indoor stadium, sports hostel etc.
- Nodal Centre for research and development in various disciplines
- Upgradation of existing UG departments to PG departments and PG to research departments.
- Separate block for self- financing courses.
- Developing the institution as a College with Potential for Excellence

Challenges

- Financial limitations and delay in completing construction projects.
- Poor socio-economic profile of students and inadequate command area of the institution.
- Over dependence on universities for curriculum, syllabus and timely examination and publication of results.

Looking Ahead

As the institution surges onwards, we nurture dreams and aspirations to excel in all spheres. Academic excellence is the premier leitmotif of the institution. We hope to upgrade existing UG Departments to PG and PG to Research Departments, introduce new postgraduate programmes in Business Administration and Social Work, and promote the institution as Nodal Centre for research and development. The construction of a Social Science Complex is another dream project. To reach out to the global academia, we aim at elevating REYONO journal of interdisciplinary studies, published by the institution, to an international journal. Academic autonomy is another major goal for ensuring quality enhancement. The institution is confident that it will remain a beacon of hope, sustaining and improving its services to the students and the community at large.



B. PROFILE OF ST. THOMAS COLLEGE

1. Name and address of the college:

Name	ST.THOMAS COLLEGE
Address	KOZHENCHERRY P.O. PATHANAMTHITTA (DIST.) KERALA STATE PIN 689 641
Website	www.stthomascollege.info

2. For Communication:

Designation	Contact Details: Phone/Email/Fax
Dr. Roys P. David (Principal)	Off: 0468-2214566 Res: 0468-2335600 Fax: 0468-2215543 Mob: 9048295600 E-mail: roysmallassery@gmail.com
Dr. Philip Varughese Porattoor (Steering Committee Co-ordinator)	Off: 0468-2214566 Res: 0468-2214854 Fax: 0468-2215543 Mob: 9447078298 E-mail: philvar54@gmail.com

3. Status of the Institution

- Affiliated College
Constituent College
Any other (specify)

✓

4. Type of Institution:**a. By Gender**

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

b. By shift

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

5. Is it a recognized minority institution?

Yes	<input checked="" type="checkbox"/>
No	<input type="checkbox"/>

If yes specify the minority status
(Religious/linguistic/ any other)
and provide documentary evidence.:
(Copy of Certificate is attached):

See Annexure-1

Section 2 (g) of the NCMEI Act
2004 in 2013
as per No. F. No386 of 2013

6. Source of funding:

Government	<input checked="" type="checkbox"/>
Grant-in-aid	<input checked="" type="checkbox"/>
Self-financing	<input checked="" type="checkbox"/>
Any other (Management)	<input checked="" type="checkbox"/>

7. a. Date of establishment of the college:

25 June 1953

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

Mahatma Gandhi University, Kottayam

c. Details of UGC recognition:

Under Section	Date, Month & Year	Remarks (If any)
i. 2 (f)	30-06-1996	Certificate attached
ii. 12 (B)	30-06-1996	Certificate attached

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

See Annexure-II

d. Details of recognition/approval by statutory/regulatory bodies other than UGC(AICTE, NCTE, MCI, DCI, PCI, RCI etc.) :

N.A.

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

Yes

No

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

Yes

No

9. Is the college recognized

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

Yes

No

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

Yes

No

b. for its performance by any other governmental agency?

Yes

No

If yes, Name of the agency.....**N.A.**..... and

Date of recognition:**N.A.**..... (dd/mm/yyyy)

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

Location :	Rural
Campus area in sq. mts.	88,941 sq. mts.
Built up area in sq. mts.	17914.2 sq. mts

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
- **Sports facilities**
 - * playground
 - * swimming pool
 - * gymnasium
- **Hostel**
 - * **Boys' hostel**
 - i. Number of hostels-
(Sports hostel for men)
 - ii. Number of inmates –
 - iii. Facilities (mention available facilities): **The hostel is well furnished and has all necessary requirements such as electricity and continuous water supply.**
 - * **Girls' hostel**
 - i. Number of hostels-
 - ii. Number of inmates -

iii. Facilities (mention available facilities): The hostel is well furnished and has all necessary requirements such as electricity and continuous water supply.

- * **Working women's hostel-**
 - i. Number of inmates
 - ii. Facilities (mention available facilities)
- **Residential facilities for teaching and non-teaching staff** (give numbers available -- cadre wise)-**One room is available.**
- **Cafeteria --**
- **Health centre –**
- First aid, Inpatient, Outpatient, Ambulance Health centre staff – Emergency care facility,

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

We have a permanent medical assistance from Poyanil Hospital, Kozhencherry and a health care centre for first aid treatment within the campus. Annual special health care training programs are arranged for the studentes with Poyanil Hospital at Kozhencherry

Other Available Facilities:

- banking
- post office
- book shops
- Transport facilities to cater to the needs of students and staff
- Animal house
- Biological waste disposal
- Generator or other facility for management/regulation of electricity and voltage

- Solid waste management facility
- Waste water management
- Water harvesting

✓
✓
✓

12 Details of programmes offered by the college (Give data for current academic year) a) Under Graduate b) Post Graduate

a) Under Graduate

Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted		
					I	II	III
Programme Level: Under-Graduate							
BSc. Mathematics	3 yrs	Higher Secondary	English	60	52	43	41
BSc. Physics	3 yrs	Higher Secondary	English	40	34	29	26
BSc. Chemistry	3 yrs	Higher Secondary	English	40	33	30	26
BSc. Botany	3 yrs	Higher Secondary	English	32	28	28	25
BSc. Zoology	3 yrs	Higher Secondary	English	32	30	25	19
BA English	3 yrs	Higher Secondary	English	30	29	29	25
BA Malayalam	3 yrs	Higher Secondary	Malayalam	40	39	38	32
BA Hindi	3yrs	Higher Secondary	Hindi	24	18	19	16
BA History	3 yrs	Higher Secondary	English	40	40	37	32
B.A Economics	3 yrs	Higher Secondary	English	60	61	56	58
B. Com-Vocational	3yrs	Higher Secondary	English	30	30	27	38
B.Com Computer Applications	3yrs	Higher Secondary	English	60	60	59	59
BSc Computer Science (SelfFinancing)	3yrs	Higher Secondary	English	60	46	59	58

B. Com Computer Applications (SelfFinancing)	3yrs	Higher Secondary	English	32	32		
B.B.A (Self financing)	3yrs	Higher Secondary	English	32	29		

b) Post Graduate							
					I	II	
M.Sc Mathematics	2 yrs	Degree	English	15	15	15	
M.Sc Physics	2 yrs	Degree	English	10	12	10	
M.Sc Chemistry	2 yrs	Degree	English	10	10	10	
M.Sc Botany	2 yrs	Degree	English	12	12	12	
M.Sc Zoology	2 yrs	Degree	English	10	10	10	
M.A English	2 yrs	Degree	English	18	14	17	
M.A Economics	2 yrs	Degree	English	15	15	14	
M.Com (Finance)	2 yrs	Degree	English	15	18	15	
M.A Malayalam*	2 years	Degree	Malayalam	15			
*Course sanctioned. Students will be admitted during 2014-15							
Integrated Programmes:	Nil						

Ph.D.Programme					
Physics	Minimum-3yrs	PG	English	6	
Botany	Minimum-3yrs	PG	English	1	
Zoology	Minimum-3yrs	PG	English	3	
Commerce	Minimum-3years	PG	English	8	
Chemistry	Minimum-3years	PG	English	1	
English	Minimum-3years	PG	English	4	

UGC Add-on Certificate Courses						
Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	No. of students admitted		
				I	II	
Add on Course in Communicative English	1 year	Higher Secondary	English	30	30	
Add on course in Journalism	2 year	Higher secondary	Malayal am	40	29	
Add on course in Computer assembling and maintenance		Higher secondary	Physics	20	22	
Certificate Course in MLT	1year	Higher Secondary	English	40	35	
UG Diploma Courses						
Diploma in Communicative English	2 yrs	Higher Secondary	English	30	30	
Diploma in MLT	2 yrs	Higher Secondary	English	40	18	
Advanced Diploma in MLT	3yrs	Higher Secondary	English	40		
Basic computer skills	20 hrs	Higher Secondary	English		463 (DC 1 stude nts)	

Any Other(specify and provide details)					
Web Designing	20 hrs	Higher Secondary	English		40
Communicative English	20 hrs	Higher Secondary	English		463 (DC 1 students)
Mushroom culture	30 hrs	Higher Secondary	English	30	55 (2 batches)
Ornamental fish culture and aquarium management	20 hrs	Higher Secondary	English	25	45 (2 batches)

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	5
-----	-------------------------------------	----	--------------------------	--------	---

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	Name of Department	UG	PG	Research
Science	Mathematics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Physics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Chemistry	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Botany	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Zoology	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Computer Science	<input checked="" type="checkbox"/>		
Arts	English	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

	Malayalam	✓	✓	
	Hindi	✓		
	Economics	✓	✓	
	History	✓		
Commerce	Commerce	✓	✓	✓
Any Other	Business Administration	✓		

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

a. annual system	<input type="text" value="Nil"/>
b. semester system	<input type="text" value="24"/>
c. trimester system	<input type="text" value="Nil"/>

17 Number of Programmes with

a) Choice Based Credit System- UG	<input type="text" value="15"/>
b) Inter/Muti-disciplinary Approach	<input type="text" value="-"/>
c) Any Other (Credit and Semester System- PG)	<input type="text" value="9"/>

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

Yes No

19 Does the college offer UG and/or PG programmes in Physical Education?

Yes No

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

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government Recruited	0	0	23	23	15	29	15	2	13	2
Yet to recruit									2	
	Teaching Faculty						Non-Teaching Staff			
Sanctioned by the Management Recruited			1		5	12	8	5		
Yet to recruit									2	

*M-Male *F-Female

21 Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	M	F	M	F	M	F	
Permanent teachers							
D.Sc./D.Litt.	M	F	M	F	M	F	-----
Ph.D.	-----	-----	17	11	3	10	41
M.Phil.	-----	-----	6	10	7	2	25
PG	-----	-----	-	3	5	16	24
Temporary teachers							
	M	F	M	F	M	F	
Ph.D.							
M.Phil.							
PG			1		4	15	20

Part-time teachers							
	M	F	M	F	M	F	Total
Ph.D.							
M.Phil.							
PG				2			2

22. Number of Visiting Faculty engaged with the College.

15

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

Categories	Year 1		Year 2		Year 3		Year 4	
	M	F	M	F	M	F	M	F
SC	76	127	76	137	79	121	77	141
ST	2	1	1	3	2	2	2	4
OBC	75	236	47	159	45	120	55	168
General	39	468	367	554	459	622	471	695
Others (OEC)	2	47	39	35	33	51	39	60

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

Type of students	UG	PG	M. Phil.	Ph.D	Total
Students from the same state where the college is located	1502	209	0	-	1711
Students from other states of India	1	0	0	0	1
NRI Students	0	0	0	0	0
Foreign Students	0	0	0	0	0
Total	1503	209			1712

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

UG	0.92
----	------

PG	NIL
----	-----

26. Unit Cost of Education

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

a. including the salary component

Rs. 87870.24

b. excluding the salary component

Rs. 20592.40

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

Yes

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

	Under Graduate			Post Graduate	
1	B.A. English	1:26	16	M.A. English	1:7
2	B.A. Malayalam	1:29	17	M.A.Economics	1:8
3	B.A.Hindi	1:20	18	M.Sc. Mathematics	1:6
4	B.A. Economics	1:60	19	M.Sc. Physics	1:5
5	B.A.History	1:30	20	M.Sc.Chemestry	1:4
6	B.Sc.Mathematics	1:36	21	M.Sc.Botany	1:6
7	B.Sc. Physics	1:22	22	M.Sc.Zoology	1:5
8	B.Sc, Chemestry	1: 21	23	M.Com. Commerce	1:6
9	B.Sc.Botany	1: 20			
10	B.Sc.Zoology	1:19			
11	B.Sc.Computer Science	1:26			
12	B.Com. Model 1	1:36			
13	B.Com Model 2	1: 18			
14	B.Com Self- finance	1:30			
15	B.B.A.	1:24			

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: 07-02-2000 Accreditation Outcome/Result: Four Star
Cycle 2: 10-02-2007 Accreditation Outcome/Result...B++

For copy of Accreditation certificates: See Annexure-III

For peer team reports : See Annexure- IV

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

162

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

158

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

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

IQAC	25-06-1999
-------------	-------------------

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

AQAR (i) 08-12-2011	AQAR(iv) 29-09-2012
AQAR(ii) 08-12-2011	AQAR(v) 26-09-2013
AQAR(iii) 08-12-2011	

35. Any other relevant data the college would like to include:

Socio- Economic Profile Of Students												
Occupation of Guardian (in %)												
Govt. Service	Pvt. service	Fishing	Daily wages	Self employed	Ex- service/ pensioner	Un employed	Total					
10	20	03	34	21	05	07	100					
Annual Income of Guardian (in %)												
Below 10,000		10,000 – 50,000			50,000 – 200,000			Above 200,000				
17		59			18			6				
Proficiency in Language (in %)												
Malayalam			Hindi			English			Others			
Read	Write	Speak	Read	Write	Speak	Read	Write	Speak	Read	Write	Speak	
100	99	100	88	81	48	100	98	78	6	5	8	
Student Level proficiencies (in %)												
Distinction (Above 80%)			First Class (Above 60% - 80%)			Second class (Above 50% - 60%)			Third Class (Above 35% - 50%)			
21			48			22			9			



CRITERION I

CURRICULAR ASPECTS

1. Curriculum Planning and Implementation

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

Vision

To foster academic excellence, moral integrity and social commitment to young men and women.

Mission

To mould intellectually well trained young men and women by providing conducive academic environment.

To equip the faculty and students to meet the challenges of modern trends in the educational field by encouraging research and development.

To provide quality higher education to the rural population in the eastern region of Central Travancore in Kerala.

To impart sound Christian liberal education and to promote holistic development of individuals.

To undertake community related research studies and extension programmes beneficial to the community and the nation.

Objectives

To impart sound Christian liberal education to young men and women.

To produce intellectually well trained, morally upright, socially committed and spiritually inspired young men and women.

To provide higher education to the population in the Eastern region of Central Travancore in Kerala stretching to the remote highlands of Pathanamthitta District.

The aims and objectives of the college are effectively disseminated through various means like the College academic handbook, Prospectus, Newsletter, College Magazine and Newspapers. They are also communicated through the meetings of students, teachers and non-teaching staff, orientation programmes for the students at the beginning of each academic year, special meetings with dignitaries, alumni and PTA meetings and through various forums.

A display board installed in front of the administrative office states the vision and mission of the college. Moreover, advertisements are made in Malankara Sabha Tharaka, websites and various visual media.

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 college follows the syllabi and curriculum formulated by the Mahatma Gandhi (MG) University. The process of curriculum design by the Boards of Studies of the University is through the participation of Member Colleges and professional bodies. The institution has undertaken various programmes for curriculum development and implementation. There has been active involvement of the faculty in various seminars, workshops and discussions for curriculum development, organized by professional bodies and Board of Studies of different disciplines. Even before the University implemented the CBCSS, the institution took the initiative to conduct a one-day workshop on “Restructuring Undergraduate Courses in Kerala”. The Vice Chairman and Member Secretary of the Kerala State Higher Education Council led the discussions. Participants included teachers from the neighbouring colleges affiliated to Kerala University and Mahatma Gandhi University and student representatives. On 10 August 2009 the institution hosted a one-day workshop organized by the University for the effective implementation of semesterisation, credit and grading system. The Hon. Pro-Vice Chancellor inaugurated the programme. Members of the Syndicate and other resource persons led the programme.

The role played by the faculty in the restructuring of the curriculum (2008-2009) of the University is worth mentioning. Two HoDs and five members of the faculty were Chairpersons and Members on the Undergraduate Board of Studies respectively while five teachers of the different disciplines were members on the PG Board of Studies which restructured the PG curriculum during the year 2011-2012.

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

University level

MG University conducted a regional training programme on “Semesterisation, Credit and Grading System” on 10th August 2009 in the college. Teachers from various colleges in Pathanamthitta and nearby districts participated in the training programme. Two resource persons of Higher Education Council presented papers on Grading and Credit Systems respectively.

The University and the Kerala State Higher Education Council jointly organized a Regional Workshop programme on “Open Course” in the college on 15th March 2011. The Vice-Chancellor and Pro-Vice Chancellor of MG University and Member Secretary of the Kerala State Higher Education Council presented the theme of the programme. Teachers from nearby colleges also participated in the programme.

Fifty members of the faculty received direct impact and experience by participating in various workshops and seminars organized by the Board of Studies.

College level

The IQAC of the college organized a one day preparatory workshop to create awareness among the staff and students about the possibilities of the new Choice Based Credit and Semester System (CBCSS). The Vice Chairman of the Kerala State Higher Education Council inaugurated the workshop and delivered the keynote address. He presented the new policies and stressed upon the need for changes in Higher Education. The Member Secretary of the Kerala State Higher Education Council presented the topic for discussion. Members of the teaching faculty from neighboring colleges also participated in the workshop and they were given opportunities to air their views on the new system.

With the intention of widening the scope of learning at the Undergraduate level, the college has opted Open Courses which are most sought after by students and which would enable them to face the challenges of the global scenario.

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.

- All the Departments of the college conducted training programmes on the functioning of the newly introduced Choice Based Credit and Semester System (CBCSS) for the students and teachers. Each Department received a financial assistance of Rs. 5000/- from the Kerala State Higher Education Council for conducting the workshop on the CBCSS.
- A workshop on “CBCSS” was conducted for the faculty in collaboration with the Kerala State Higher Education Council. A resource person from U.C College, Aluva led the session.
- A seminar on “Quality Assessment and Management” was jointly organized by IQAC and Mar Thoma Higher Education Commission. The Chairman of the Higher Education Commission inaugurated the session.
- A 2-day workshop on ‘Challenges in the higher education scenario in Kerala’ at Charal Mount Organised by Marthoma Higher Education Commission under the auspices of St. Thomas college, Kozhencherry.
- The College organized a common orientation programme for parents and students about the various aspects of Centralized Allotment Process (CAP) for admission to UG Programme.
- Orientation Programme for Teachers on 2nd December, 2013 on mentoring.
- Every year an orientation programme for students and parents is organized on commencement of the first year classes of UG and PG classes.

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 college addresses the need of the beneficiaries by introducing modernized courses, vocational programmes, value added courses, value education and programmes aimed at academic excellence and innovative teaching-learning techniques.

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.?)

The contributions of the faculty from the various disciplines towards the curriculum design and development at the university level are remarkable. The feedback received by the faculty from various sources such as the inputs received from participation in seminars and workshops organised by professional bodies and institutions, the rich experiences imbibed by the faculty from past experiences in teaching and research, interaction with eminent scholars in the emerging areas of the various disciplines; the feedback

received from alumni, students, parents and public through their forums have helped significantly for active involvement of our faculty in the curriculum development process of the University.

The Heads of the Departments of Commerce and Botany were the Chairmen of the Board of Studies for Commerce and Botany respectively, which restructured the UG curriculum into the CBCSS pattern. One faculty each from the Department of Botany, History and Hindi are also members in their respective Board of Studies. The former Principal of the college was the Chairman of the PG Board of Studies in Mathematics and Heads of the Departments of Economics and English and one faculty each from the Departments of Chemistry and Zoology were members on the PG Board of Studies which restructured the PG curriculum into grading system in 2011, in continuation of the restructuring of the UG curriculum.

One faculty each from the Departments of Malayalam, Physics, Botany and Commerce were members in the UG Board of Studies during 2006-'09 and one faculty each from the Departments of Hindi, Physics and English were members in the PG Board of Studies during 2006-'09.

One faculty each from the Departments of Hindi, English and Malayalam were members in the Editorial Board of the University for the UG curriculum text book.

One faculty member from the Department of Zoology is the author of three syllabus based text books at the UG level. One faculty each from the Departments of Commerce and Hindi are also authors of syllabus based text books at the UG level.

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 institution offers the following valued added courses for which curriculum have been developed:

Basic computer applications	Common Computer Centre
Web designing	Common Computer Centre
Short term course in Communicative English	Department of English
Tally Graduate course	Department of Commerce

Enrichment programmes by various Departments:

- Foundation Course for UG students.
- Personality development programme by Equal Opportunity Centre.
- Seminars and other programmes by Centre for Women Studies.
- Counselling, career and orientation programmes for all students.

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

The Department Council meets at the beginning of each semester and formulates the mode of operation of transaction of syllabus and curriculum within the stipulated time. The Council also reviews the effective implementation by each member faculty.

The institution organizes two internal examinations in the university pattern for each semester at the UG level. Test papers are also conducted at the class level. The results of the internal and external examinations are evaluated at departmental level and this is monitored by the IQAC, Staff Council and Governing Council and suggestions for improvements are given by these bodies.

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.

Subjects such as Communicative English and Computer Applications are included in the curriculum of most of the courses for developing the communication skill and the ability of the students. In addition to this, various programmes aimed at practical experiences are also included as value added components under the initiative of various departments. Short term certificate courses designed by the institution are aimed at developing the diversified skills of students. Research projects and dissertations executed by the students help in developing their research and analytical skill. Certificate courses in Communicative English with the help of Language laboratory and Basic computer awareness programme are offered to all students.

The institution offers the following certificate /skill development programmes:

UGC aided Career oriented Add-on Course

Medical lab technology (Advanced Diploma)	: Department of Zoology
---	-------------------------

Journalism (Diploma)	: Department of Malayalam
-----------------------	---------------------------

Communicative English (Diploma)	: Department of English
Computer assembling and maintenance	: Department of Physics
Certificate Course	
Tally Graduate course	: Dept. of Commerce
Web designing	: Common Computer Centre
Basic Computer Applications	: Common Computer Centre
Course in Communicative English (20hrs)	: College Language lab, Dept .of English
Enrichment Courses	
Counselling, and Career Orientation Programmes for All Sstudents	
LATEX Programming Course	- Department of Mathematics
Ornamental fish culture	- Department of Zoology
Mushroom Culture	- Department of Botany
Foundation course for UG students run by Career Guidance and Counselling Centre.	
Personality development programme by Equal Opportunity Centre.	
Seminars and other programmes by Centre for Women Studies, Women's Cell	

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

The institution does not provide any programme that facilitates/ 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

- Range of Core /Elective options offered by the University and those opted by the college
- Choice Based Credit System and range of subject options
- Courses offered in modular form
- Credit transfer and accumulation facility
- Lateral and vertical mobility within and across programmes and courses.
- Enrichment courses
- Skill enhancement programmes like Communicative English, Entry into service etc.

Core and Elective options are provided by the University for all courses both at the UG and PG level. Elective options are provided to all disciplines during the 5th and 6th semesters for UG Courses and during the 3rd and 4th Semesters for PG Courses in some programmes.

The institution follows the Choice Based Credit and Semester System offered by the University. The students in various disciplines can choose one Open Course out of twelve courses offered by the institution during the 5th Semester at the UG level.

Transcripts are issued to students for the continuation of their studies outside the state and also for international academic programmes.

Various enrichment programmes aimed at value education and awareness in social citizenship roles are provided to the students through counselling classes, Women's Cell, NSS, NCC, Subject Associations, Brains Trust, Equal Opportunity Centre, EU, ICPF, SCM and Department prayer groups. Legal literacy classes, women empowerment programmes, community-living through camps conducted by various organizations and associations, study tours etc. are the various enrichment programmes aiming to promote value education.

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 institution offers the following self -financing programmes.

Degree course in B.Sc Computer Science, B.Com with Computer Applications and BBA The admission to this programme is based as per the university norms (50% merit and 50% management quota.The fees to be paid is the same for all students. The curriculum is as prescribed by the University. The salary to teachers is paid by the Management.

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 provides additional skill oriented programmes to suit the regional and global employment market. All the programmes run in the college are academically and professionally oriented. This enables the students to respond

to regional and global job opportunities and research. The restructured CBCSS curriculum at the UG level and restructured curriculum at the PG level have a judicious blend of pure sciences, arts and humanities in both functional and vocational streams. Interdisciplinary subjects like B.Com with Computer Application and B.Com with Marketing, B.Sc Mathematics with Computer Application and Statistics, B.Sc Physics with Mathematics and Chemistry, Botany with Chemistry and Zoology etc are available to the students. Communicative English and Communicative Hindi are in the language content of the UG Courses. At the PG level various interdisciplinary subjects are included as optional papers like Mathematical Economics with M.Sc Mathematics, Biotechnology with Botany, Management Studies with Economics, Quantitative Techniques and Operations Research and taxation with M.Com.

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?

The University does not provide the flexibility of combining the conventional face- to- face and Distance mode of education for students

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 implemented various activities to integrate the academic programmes and to fulfil its goals and objectives. The major concerns addressed by the goals and objectives are academic excellence, knowledge generation and application to social and global needs and accessibility of higher education to rural and marginalized sections. All these educational objectives are translated in a just, transparent and compassionate way such that the broader goal of integrity and morality are built into the system of curriculum design, teaching learning, research, extension and student support. Institutional goals are integrated with academic programmes and are translated into action through programmes/ courses in different disciplines, introduction of career –oriented courses, restructured courses, value education programmes like personal counselling, mentoring, tutorial, academic counselling, career guidance and personality development programmes aimed to satisfy the vision of the institution. Research projects, publication of research journal and presentations of papers in seminars by faculty, leadership of the faculty in academic and professional bodies of different disciplines, consultancy service by the faculty for academic bodies etc are oriented towards this direction.

1.3.2. What are the efforts made by the institution to modify, enrich and organize the curriculum to explicitly reflect the experiences of the students and cater to needs of the dynamic employment market?

The contribution of the institution to modify, enrich and organise the curriculum is remarkable. The curriculum has been restructured as per the CBCSS pattern including new course content like vocational and skill development subjects along with the core subjects. Communicative English has been introduced in the course content of English Language Learning; Computer Application is included in almost all disciplines, etc. There is continuous evaluation of these through internal assessment and external examination. Board of Studies of the respective subjects ensure the currency and relevance of the curriculum on the basis of peer evaluation by faculty, suggestions from experts, visiting professors, employers, outcome from the workshops and seminars organized by professional bodies and Board of Studies.

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?

The curriculum and syllabus adopted in the college for most of the courses give due weightage to gender education, climate change, environmental education, human rights, national development and national integration. Students are provided the bases to mould a strong character, enabling them to pursue diversified fields of studies in nation building. The topics of the research projects of students cover diversified issues on climate change, environment, human rights, national development and integration etc. The academic and extension programmes and activities conducted by Subject Associations, National Service Scheme, National Cadet Corps, Women's Cell, Academic and Literary Forums are oriented towards the attainment of these objectives. Fundamentals of Computer Application are a part of the curriculum of most of the disciplines. Short term Computer learning programme and internet facility is provided in the college. Students take seminars and present their projects using OHP, Powerpoint, LCD etc. Computer laboratories have been set up in most of the Departments. Audio-visual aids and educational CDs are provided to the students for learning. There have been significant additions in the use of ICT enabled teaching-learning during recent years. The addition of LCD, computer, scanner and educational CDs and Videos, use of modern laboratory equipments have empowered the Departments in imparting modern techniques in science and IT in a suitable ambience to the students. The Department of English has set up a modern Language Lab with necessary software for guidance in correct English pronunciation and intonation studies.

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

- Moral and ethical values.
- Employability and life skills.
- Better career options.
- Community orientation.

The college offers the following value added /enrichment courses for the students

Coaching for PSC examinations	<i>Career Guidance Centre.</i>
Certificate Course in Communicative English	<i>Department of English.</i>
Basic Computer Application and Web designing	<i>Common Computer Centre</i>
Tally Graduate Course	<i>Department of Commerce</i>
Medical Lab Technology	<i>Department of Zoology</i>
Journalism	<i>Department of Malayalam</i>
Orientation for beginners	
Tutorials and mentoring	
Counseling Programmes	

Enrichment programmes by various Departments, personality development programme by Equal Opportunity Centre, counseling classes for students by the college Counseling Centre, community oriented classes, programmes and camps conducted regularly by NSS, NSC, Women's Cell and Subject Associations are intended to enrich the students.

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

The institution has taken a lead role in this region for curriculum development. The IQAC of the College organized a one-day preparatory workshop well in advance to prepare the staff and students on content curriculum and pedagogy. Dr K N Panicker, Vice Chairman of the Kerala State Higher Education Council delivered the keynote address. Papers were presented by faculty, based on the feedback received from stakeholders. Feedback and discussion took place and that resulted in shaping the basis for the new curriculum introduced in the later years. This was the first attempt of its kind in the history of Kerala.

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

The quality of the enrichment programmes are continuously evaluated by feedback from students.

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?

The contributions of the institution towards the design and development of the curriculum prepared by the University are commendable. Several members on the faculty hold positions on the Board of Studies of the University which formulated and implemented the restructured syllabus and curriculum for the newly introduced Choice Based Credit and Semester System in 2009 at the UG level and in 2012 at the PG level. Many faculty members led the syllabus restructuring process.

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 institution gathers feedback from students through a proforma prepared for collecting their opinions on syllabus and internal assessment programme. The ideas evolved at Alumni Association meetings and the suggestions of individual alumni at reputed positions have definitely influenced the restructuring of syllabus. The institution receives feedback from the community at departmental and at general Parent-Teachers Association meetings, at the time of admissions, and other functions, which equip the faculty in presenting the same through various academic and professional bodies at University level. The institution conducts seminars and workshops on academic matters, colloquiums etc. in collaboration with academic bodies and the University. The feedback collected through these sources--students, Alumni, PTA, community, academic peers and the industry are condensed and conveyed by the concerned faculty to the representative bodies at the University level like the Board of Studies, Workshops for syllabus restructuring, professional bodies etc.

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?

The college addresses the needs of the society by introducing modernized courses, vocational programmes, value added courses, value education, life skills education, career orientation classes and other programmes aimed at academic excellence and innovative teaching-learning techniques.

New courses started with affiliation to Mahatma Gandhi University are

Programme	Department
BBA,	Business Administration (Self Financing)
B.Com with Computer Applications,	Commerce (Self Financing)
M.A in Malayalam.	Malayalam
Coaching for PSC examinations	Career Guidance Centre
Diploma Course in Communicative English	Department of English
Basic Computer Application and Web Designing	Common Computer Centre
Tally Graduate Course	Department of Commerce
Advanced Diploma in Medical Lab Technology	Department of Zoology
Diploma in Journalism	Department of Malayalam

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

Retreat for teachers regarding the curricular transaction, mentoring of students, student counselling are conducted.



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 procedure is made transparent to win the trust of the community, to streamline procedures more systematically and to increase access to higher education for socially and economically deprived sections of students.

- Information regarding admission to the various courses offered by the college is given in Newspapers, College website, University Newsletter, Academic handbook and Prospectus.
- Information regarding courses offered is given in Sabha Tharaka the official publication of Malankara Mar Thoma Church.
- College Alumni is informed about the scope and demand of the courses, job opportunities etc. in order to create awareness among the public.
- Outgoing students are trained to convey the scope and utility of each course.
- Rank lists are prepared by each department and are duly published in the notice boards, as per the norms of Mahatma Gandhi University, to which the college is affiliated.
- Interview cards are sent under certificate of posting.
- Rules of admission are provided in the college calendar.
- Admission procedure is provided in the college website. Number of applications received in each course and the entire admission process is reviewed by the admission committee.
- Centralized Allotment Process is followed in colleges affiliated to M G university for the UG courses and PG courses from 2010-2011 onwards. Students are free to opt the course and college of their choice from the website of Mahatma Gandhi University to which the college is affiliated

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

Fifty percent of the seats are reserved for merit. Out of the total merit seats available, 3% of the merit is reserved for physically challenged (blind, deaf and orthopedically challenged), two seats in each programme shall be reserved for

candidates with outstanding records in sports and games and one seat in each programme shall be reserved for candidates with outstanding records in cultural activities. 20% of the seats is reserved for SC/ST on the basis of merit. 10% of the seats is reserved for community on the basis of merit. 20% is reserved as management quota. The criterion for admission to management quota is as follows:

- 50% is reserved for Marthoma candidates on the basis of merit
- 10% for Christian converts (Marthoma) on the basis of merit
- 5% for socially and economically backward students belonging to Mar Thoma Church.
- 35% at the discretion of the governing council as follows:
 - a. Children and direct brothers and sisters of the staff of the college, clergy, evangelists and other church workers.
 - b. Children of the staff of the local public officers and institutions.
 - c. Local public

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?

Yes, there is a mechanism in the institution to review the admission process and student profiles annually by the admission committee consisting of three teachers selected from the staff council of the college.

- Student profile is reviewed by department staff council and measures are taken for holistic improvement of the students by encouraging their participation through orientation, remedial coaching and other co-curricular activities.
- The admission process is reviewed by the staff council. Admissions have been done over the years according to the norms decided by the Government and Mahatma Gandhi University.

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?

The institution is a minority college started with the missionary zeal. Hence utmost concern is given to ensure the inclusion of SC/ ST and other socially backward classes.

SC/ST – 20% of the total seats are reserved for the SC/ST category of students. The seats of SC/ST are kept vacant as per the government norms and they are assisted in getting their scholarships in time. Coaching classes for these students helps them in their employability through equal opportunity centre of the college.

- OBC students are provided with scholarships as per governments norms.
- Women - The management encourages admission of women candidates and provide hostel facilities for about 100 students in two hostels. Students are assisted in applying for Scholarship for single girl child as per government rules. Womens cell and women studies centre help in capacity building of girl students.
- Differently abled - Their classrooms are kept on the ground floor for their convenience. Ramp is provided for their use. Wheel chair facilities are provided.
- Economically weaker sections – scholarships are provided by the management for those who cannot afford higher education
- Minority community : Scholarships are provided to the minority students as per government norms. Coaching classes for minority students helps them in their employability.
- To encourage the best students who are financially backward , the faculty generously contribute to the semester fees of those students

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

Year	2009-10	2010-11	2011-12	2012-13	2013-14
UG	1242	1251	1323	1363	1503
PG	187	190	202	208	209
Total	1429	1441	1525	1571	1712

The College offers fifteen degree courses (three being self-financing) in various arts and science subjects. An increasing trend had been noticed in the enrolment of students in both UG and PG programmes. The restructured CBCSS curriculum and the centralized admission process along with the reputation of the institution contributed to the increasing trend in admission.

2.2. Catering to Diverse Needs of Students

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

- The institution strictly adheres to the reservation policy on admission to differently-abled students.
- Necessary guidance and support is provided to such students through counseling.
- The institution provides facility for their mobility in the campus through ramp and wheel chair.
- Financial assistance is also provided as per the norms of Mahatma Gandhi University.

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.*

- At the time of interview, the concerned department verifies marks of each student.
- The department council conducts the assessment of students.
- Students are recommended to join various clubs in the institution based on their knowledge and skill.
- Questionnaires are distributed to the students in the tutorial classes to assess their socio-economic background, skills, goals etc.
- At the beginning of every academic year the institution organizes Orientation Programme for the freshers of undergraduate and postgraduate programmes.

1. In this programme generally on the first day, the Principal imparts detailed information to the students about the facilities available in the college.
2. They are informed about the rules and regulations of the college. General information regarding the structure and evaluation of their programme is also given.
3. In addition, information is provided regarding scholarships, concessions, endowments, loans and other financial assistance.
4. The Principal briefs them about various clubs and forums functioning in the college and encourages students to enroll themselves in any three among them.
5. Motivation classes are conducted in various departments to motivate the 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.

Orientation classes are arranged by each department at the very beginning so as to enable the students to cope up with the programme. The aims and objectives of the programme will be clearly explained to the students. Class Teachers, Mentors and Tutors identify slow learners and provide them necessary remedial and bridge courses. UGC funded Add on courses and enrichment courses are also arranged for students. 20 hour Short term courses are provided to update and enhance computer knowledge and communicative English of all students of first year degree classes.

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

Motivation programmes organized by the institutions for staffs periodically, providing facilities for them to attend various seminars and workshops organized by academic and professional bodies, residential sensitization awareness workshop under UGC scheme on “Capacity Building of Women Managers in Higher Education”, social gatherings of teaching and non-teaching staff, Alumni, PTA etc. create an academic environment ensuring gender equity and accessibility and inclusion of under privileged sections of the society. The activities of Centre for Women Studies, Women cell, Equal Opportunity Centre, NSS, NCC, Brains Trust, Nature Club and Subject Associations sensitize students about their rights, duties, concern for social responsibilities, peace, justice and equity and protection of environment for the creation of a healthy society. This is reflected in the vision statement of the college. . Students are encouraged to take up projects which focus on gender equity, environmental issues and social inclusion. Various seminars, Poster Display, Camps and debates are arranged on various issues on gender discrimination and empowerment, Legal Awareness and Environment are also organized in the College.

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

- Class teachers, Tutors and Mentors identify advanced learners.
- Regular seminars, invited lectures, Quizzing, Debates, Group and Panel Discussions are conducted by Subject Associations, Women’s Cell, Brains Trust and Alumni Forum of the college.
- Students are encouraged to participate in various intercollegiate competitions.
- Projects are encouraged and good projects are selected and prizes are given. Selected projects are presented in the intercollegiate competitions and in National Seminars.

- Cash awards are provided to best performers in academics and university ranks holders are honoured by the college community.
- Coaching classes are arranged for UGC JRF/NET and entry into service.
- Career counseling is provided.
- Students are encouraged to visit institutions of national excellence.
- UGC sponsored add on courses are provided for advanced learners.

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

- Class teachers collect the bio-data from the students at the beginning of the year. Based on the data provided by students and through interaction, the students are identified at various levels like socio-economic status, family background, parents' educational level, etc. by each Department.
- An Equal Opportunity Centre is functioning in the college caters to additional needs and effectively implements policies and programmes for disadvantaged students such as SC/ST and minorities.
- Regular test papers are conducted by teachers and slow learners are identified.
- Regular Counseling and remedial classes are conducted to help the slow learners.
- Noon meals and financial assistance by the teachers are provided to economically weak students.
- The students are constantly mentored.
- Motivation and Leadership Training Programmes are conducted.

2.3. Teaching-Learning Process

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

- Teaching, learning and evaluation system of the college is based on the norms, rules and regulations and syllabi for various courses as prescribed by M.G University which is given in the handbook published at the beginning of the academic year.
- Staff council meet at the beginning of the academic year and prepare schedule for the year and each department plans the division of syllabus well ahead of the academic year and chalks out the route to complete the

modules as per the syllabus. The department council periodically monitors the progress of teaching plan prepared by faculty members.

- Teaching plans for each semester are prepared modulewise and timewise by HoD and are closely monitored.
- Each teacher is free to choose definite strategies to complete the assigned syllabus within the stipulated time.
- Internal assessment and end-semester (External) examination are conducted effectively to evaluate the performance of the students.

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

IQAC discusses different aspects of teaching learning process periodically to ensure teachers to implement student centric methods of teaching learning giving emphasis on ICT and participatory teaching and learning process. IQAC takes initiative in collecting feedback from students, parents and alumni on quality-related institutional teaching learning process. An Academic audit is carried out once in a year. IQAC has distributed questionnaires like self-evaluation for teachers, evaluation of teacher by the students, evaluation of students by the teachers etc. to improve the quality of teaching-learning process. Self evaluation of teachers allows self-introspection for teachers and provides scope of improvement. Feedback from students is instrumental in enhancing teacher quality.

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?

The institution has been practising student-centric teaching-learning in the post accreditation period. Modern learning aids like smart board, white board, LCD projectors, lap-tops etc. facilitate student centric learning. Teachers are given training for ICT enabled teaching technologies, workshops are arranged to engage in modern learning techniques. Training on Group discussions, methodologies of collaborative and participatory learning have been provided to teachers held at academic staff colleges, LBSNAA, Mussoorie, IUCAA, Pune, Marthoma Higher Education Commission etc. Visits to prestigious institutions in India and abroad has provided hands-on experience to teachers on the functioning of the institution.

Several student-centric learning activities like seminars, assignments, group discussions, project preparations, project presentations etc. have been practised to facilitate interactive learning.

Conventional lecture method modified with the use of charts, diagrams, illustrations using working models, demonstration in both theory and practicals, group discussions, field studies, outreach programmes, discovery learning, surveys etc. have been followed as part of collaborative learning practice.

Information and Communication Technologies (ICT) or e-learning has been introduced mainly for Post graduate students. Since all departments have internet facility, access to e- journals and e- books has increased their independent learning facility.

- Common Computer Facility Service Centre enables students and teachers to undergo certificate course in both basic and advanced computer training. Internet is made available for students and staff.
- The language laboratory helps the students to develop communication skills and also to teach different groups of students simultaneously according to their abilities.
- NMEICT project of the Government of India (Ministry of Human Resources) introduced with the financial support of PTA provide unlimited internet facility to all departments, administrative office and computer centre.
- INFLIBNET is introduced at the Common Computer Facility centre, which provides access to a number of national and international e-journals.
- Peer study groups consisting of strong and weak students are formed in which better performers help slow learners in their studies. This peer learning method benefits students much better than conventional teaching.

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?

Organizations like Quiz Club, Best Arts, Brains Trust, Women's cell, Women's Study Centre, Nature Club etc. arrange programmes which instill creative and critical thinking in students. These include talks by eminent personalities, debates, quizz, performance arts etc. All the subject associations arrange programmes to enhance scientific temper among students. These include conducting science exhibition for local schools, workshops, regional and national seminars in different subjects. Post graduate students attend seminars held in nearby colleges which kindle their research aptitude through interaction. Students are given opportunities to visit research institutions like ISRO, IISER, ICSSR, NIO, CMFRI, TBGRI, CPCRI, KVK etc.

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.

- NME-ICT project of the Government of India (Ministry of Human Resources) provide unlimited internet facility to all departments,

administrative office and computer centre. A separate place in the common computer facility laboratory is provided for UGC network resource centre. All the departments are provided with internet facility for all staff and students.

- INFLIBNET- All the staff and students are enrolled to have Inflibnet facility which is accessible from common computer facility laboratory and computer networks at all departments.
- Virtual laboratory experiments are performed using software in the department of Chemistry and Zoology.
- Chem sketch, Math Lab programs are used for dissertation work.
- Department of Physics provides assistance for observation of astronomical aspects for both students and staff.

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

National seminars are arranged periodically to enhance the advanced level of knowledge.

Teachers and students are encouraged to participate in seminars and workshops arranged elsewhere. The library subscribes the relevant journals and periodicals and the same are issued among the students and faculty to get information about the recent developments in their respective fields of study. Invited lectures by eminent scholars in various fields are a regular practice of the institution. Language laboratory in English department, Web Designing course in CCF, Journalism, Life Skill Development programme through Career Guidance and Counseling Centre, Brains Trust, Center for Women Studies, Training in Soft Skills etc. contribute to modern areas of advanced level of knowledge and skills for students.

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

Effective tutorial system, Mentoring programme leading to better discipline on campus and respectful relationship between teachers and students, Personal counseling, Batchwise motivation classes to all students, special courses and meetings provided to socially and educationally backward students, camps for advanced learners and listeners camp for students who are reluctant to attend the classes are arranged as a psycho social support helping the students to lead an upright life in a world of discrimination with tolerance, cross-cultural outlook, and social awareness. Life skill development programme through career guidance and counseling Centre, Brains Trust, Center for Women Studies, Soft Skills Training along with Entry into Service and JRF/NET Coaching etc. contribute to modern areas of advanced level of knowledge and

skills for students. At the beginning of every academic year, eminent counsellors are invited to impart counseling programme for the Freshers.

Name of club/centre	Title of Programme	Year convened	No. of students benefitted
Equal opportunity centre	2 day residential camp on personality development.	2011, 2012	52
Centre for women studies (CWS)	Necessity of women empowerment in the modern world and the role to be played by the CWS	2008, 2012, 2013	200
	Women Health Awareness Programme	2009, 2012	100
	Sensitization on domestic violence and cyber crime	2009	200
	Two day self motivation camp	2010, 2012	50
	Legal awareness	2011	100
	research orientation programme for post graduate students	2012	150
	Sensitisation on violence against women and children	2012	600
Brains trust	Face to face	2011, 2012, 2013	100
	2 day camp for better tomorrow	2012, 2013	60
	Interface with IAS topper	2012, 2013	100
	Future 2 day camp	2012	60
Entry into service	20 sessions	2012	40
NET coaching		2009 - 10	28
		2011 - 12	36
Tutorials	22 sessions	2009-10	All students
	20	2010-11	All
	16	2011-12	All
	20	2012-13	All
	25	2013-14	All

Mentoring	18 sessions	2011 - 12	Economics
	16	2012 - 13	All students
	15	2013-14	All students
Career Guidance and Counselling	15	2011-12, 2012-13, 2013-14	Students of UG classes

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?

The college has made continuous and sustained efforts to bring some innovation in teaching-learning methodology. The institution has changed from teacher-centered pedagogy to student-centered pedagogy by introducing projects, paper presentations, field trips etc. Other learning methods like group work, role plays, case study, debates, mind mapping etc. supplement class room teaching. Modern tools of teaching through information technology are utilized by the college to enhance the teaching-learning process. Internet facilities are made use of by students.

Focusing on class room, teaching and learning process is imparted with interactive methods and experiential learning. To supplement teaching-learning process the websites of new learning resources are sorted and are experienced in the computer laboratory.

To encourage the faculty on innovative and new practices, experts were invited for the demonstration of the e-learning equipments like smart board, LCD projectors, visualizer, micro photographic units, reprographic equipments, digital visuals aids etc. These equipments are provided to the departments for regular use in the class rooms.

Adoption of new technologies have created more interest in the students towards learning process and dissemination of knowledge is made faster to the students which leads to better results in the qualifying examination. Introduction of LCD projectors in all departments has created an enthusiasm in students as they feel the classes livelier. This has enabled students to keep pace with the modern technology. They are trained to prepare powerpoint presentation for seminars and project presentation.

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

The college library is centralized and plays a pivotal role in the effective teaching-learning process. The library remains open from 8.30 a.m. to 4.30 p.m. on week days and from 8.30 a.m to 2.00 p.m. on Saturdays.

- The library has a comprehensive collection of about 50,000 books which include general books, academic books, academic journals, research journals, periodicals of national and international importance etc.
- Students utilise reference books for preparation of assignments and seminars in the curriculum. Teachers help students to familiarise with journals and magazines in the beginning of the curriculum.
- INFLIBNET facilities available in the library and departments enable the students and staff access to about 3000 e-journals and e-books free of cost. Access to archives of the journals is also available through this facility.
- Some departments maintain department library by borrowing books from the main library. Students can avail of library books under book-banking.

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

- Increased number of internal and external examinations due to semesterisation.
- Unexpected student strikes, hartals and bandhs called for by political parties on regional and national issues.

To overcome the challenges of losing working days by student strikes, the Management of the institution approached the Honorable High Court of Kerala seeking protection of the institution to ensure effective functioning in the institution and the prayer was allowed.

Most of the teachers arrange extra classes during morning hours (8.30 to 9.30AM), evening (3.30 p.m. to 4.30 p.m.) and on Saturdays to complete the portions for each semester.

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

- The academic performance of the student is monitored by the teacher-in-charge of different classes, department council and staff council.
- The quality of the academic process is evaluated through regular test papers, seminar presentations and assignments and the progress of the same is reported to the parents.
- The academic progress of the student is monitored by systematic recording of the marks/grade secured by him/her in the department.
- Assignments are valued on the basis of content, relevance of the topic, references cited and the overall outlook while in the case of seminars, the content of the script, style of presentation of the student, capacity to defend the topic as well as the overall performance are counted.
- Evaluations of teacher performance by student, self-evaluation by teacher, self evaluation by student, and student-evaluation by teacher are regularly conducted. IQAC provides the UGC format to both UG and PG students for

evaluation of teachers. Feedback is kept confidential to prevent any sort of prejudice towards any student.

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

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc/D.Lit							
Ph.D			17	11	3	10	41
M.Phil			6	10	7	1	24
PG				3	5	14	22
PG (MBA)					1		1
LSG (M.Phil)							1
Lect UGC (PG)							1
Temporary teachers							
Ph.D							
M.Phil							
PG			1		4	15	20
Part-time teachers							
Ph.D							
M.Phil							
PG				2			2

Junior Lecturer							
M.Phil						2	2
M.Sc/M.A B.Ed.						3	3
Guest					1	2	3

About 50% of teachers are Ph.D holders and 12 teachers are pursuing research leading to Ph.D.

The college follows a transparent, impartial, judicious process for the selection of teaching faculty. The policies of the Management are such that candidates with excellent academic background, professional qualifications and managerial capacity are selected.

- Teachers are recruited according to UGC norms of qualification and State government rules and regulations. A 1:1 ratio of open and community quota is maintained.
- Vacancies are identified and advertised in the national dailies as well as University Newsletter.
- From the list of applicants, eligible candidates are called for an interview.
- The interview board comprises of Manager, Government nominee (a civil service officer not below the rank of deputy secretary), Principal, subject expert, and any representative nominated by Manager.
- A ranklist is prepared on the basis of their performance in the interview plus academic merit. P.G with 55% of marks along with NET/ Ph.D is the minimum qualification but due weightage is given for marks at the PG level and M.Phil /Ph.D/ PDF and research publications.
- Appointment is done in the order of ranks in the list.

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.

Bio physics, Bio chemistry, Bio statistics and computer applications, Bio technology, Bioinformatics, Nanotechnology, C⁺⁺, Recent economic crisis, Neo liberal economic policy, e-commerce, Management information system etc. are a few emerging areas of study offered by different departments as part of curriculum revision.

- Teachers are provided opportunities to attend workshops, seminars and conferences in the respective areas.

- MG University, Kerala State Higher Education Council and Academic staff colleges provide necessary training for teaching new programmes.

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

Faculty is motivated by circulating information regarding various quality enhancement programmes received from the agencies who conduct the programmes. Submitted applications are scrutinised by a selection committee comprising of the members of the staff council. Seniority of the applicants and availability of teachers for smooth conduct of the departmental activities are the criteria for selection. Permission has been granted to all incumbent applicants to undergo training.

Departments	Academic Staff Development Programmes					
	No. of Faculty Nominated					
	Refresher courses	HRD programmes	Orientation programmes	Staff training conducted by the University	Staff training conducted by other institutions	Summer/winter schools, workshops, Seminar, etc.
English	3	1	3			9
Malayalam	4		6			2
Hindi						6
Mathematics			2			10
Physics						1
Chemistry						2
Botany					1	8
Zoology	5		3			2
Economics	1		2			2

History	1		1			
Commerce	1		1		1	3

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

Teaching Learning Methods/Approaches

Training classes for smart board practice as well as LCD projector display

Handling New Curriculum

Orientation programme and workshop arranged for revised curriculum (Choice

Based Credit Semester System CBCSS) at the college level.

Orientation programme for CBCSS for teachers and students at department level.

Training programmes at university level for new practical curriculum.

Content/Knowledge Management

Orientation programme and leadership training for teachers by HRD trainers.

National and regional seminars, workshops, colloquium etc. in different subjects.

Selection, development and use of enrichment materials

Experts in different subjects are invited for talks to enhance the interest and involvement of teachers. With the introduction of ICT, study and research materials have been downloaded extensively.

Assessment

- Self-appraisal forms as prescribed by UGC are being used for self-assessment by teachers.
- IQAC provides forms for self-evaluation for teachers.
- Evaluation of teacher by the student is carried out during the course.

Audio Visual Aids/multimedia

Workshops are conducted to familiarise with methods of Information and Communication Technology and modern teaching practices using smart board.

Teaching learning material development, selection and use

Prescribed texts by Mahatma Gandhi University are supplied through the B Cooperative store. Students are encouraged to make use of library books too.

Learning material is also provided by teachers mainly in UG classes

c) Percentage of faculty

Item /Year	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
As resource persons in Workshops / Seminars / Conferences organized by external professional agencies	5		7	8	22	16
Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies.	6		18	45	26	16
Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies	16	9	16	21	13	20

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.)

As part of the recharging of teachers, the Management has given authority to the Principal to grant leave for attending seminars, conferences, workshops, and training programmes inside India for short durations. For travel outside the country, the proposal is placed in the college Governing Council and the Manager gives consent for the travel as well as leave for the same. Under this policy, teachers are encouraged to attend regional, national and international academic seminars and conferences, refresher courses, orientation programmes, workshops etc. The institution encourages its teachers to avail of Faculty Improvement Programme of UGC. The Management supports the teaching departments in arranging national seminars, workshops, science exhibitions etc.

	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
National seminar	1			5		3
Workshops	2		2		1	
Training	1					1

The institution is associated with IUCCA(Inter University Consultative Committee on Astrophysics) Pune and teachers are allowed to work with them for longer period.

FIP awarded

	2008	2009	2010	2011	2012	2013
M.Phil/Ph.D				2		

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.

Name of Teacher	Awards/recognition	Year of honour
Jasy Thomas	Second Place at the district level in connection with broad outlook teacher instituted by Air India	2008
Sheena Eapen	Award for Best Research work instituted by Kerala Hindi Sahitya Academy & State Bank of Travancore	2010
Shaji Varghese	Mar Philexenos Khasero award for Best College Teachers award instituted by the Malankara Syrian Orthodox church.	2011
Antony George. P	Best Business academic of the Year by Indian commerce Association	2011
Alexander K. Samuel	Chaiman, P.G. Board of studies, M.G. University	2010
Varghese	Chaiman, U.G. Board of studies, M.G.	2010

Panicker. T	University	
Danielkutty. K	Chaiman, U.G. Board of studies, M.G. University	2010
Elizabeth Thomas	Member senate, M.G. University	2011

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

Yes. Teachers are given confidential feedback about their teaching effectiveness on the basis of an institutionalized mechanism of evaluating them.

Every teacher is evaluated by students based on punctuality, teaching methods, interest,

in teaching, ability to teach both theory and practical, upgradation of knowledge, response to student problems, participation in organizing co-curricular and extra-curricular activities etc. The teacher becomes aware of his/her strengths and weaknesses through the feedback of students. The feedback is analysed by the Principal, HoD and the concerned teacher and is kept confidential. The feedback of evaluation has been used for improving the quality of teaching by initiating appropriate correctivemeasures.

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?

- IQAC advises faculty members on the mode of evaluation to be followed prior to the commencement of the academic programme.
- At the beginning of the academic year, students are given orientation about the curriculum, especially the syllabus, marks/grade for each course, internal and external assessment etc.
- Shortly after the commencement of first semester, students are made aware of the internal evaluation components. Students are informed of the probable time of examinations at the college and University level.

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?

- Choice Based Credit Semester System was introduced by the Mahatma Gandhi University for undergraduate programs from 2008-2009 onwards, for the renovation and rejuvenation in the field of higher education.
- The evaluation of each course consists of two parts – In-semester or Internal assessment and End-semester or External assessment.

- The Internal : External assessment ratio shall be 1:3.
- The college has introduced two centralized internal examinations for each semester.
- The Internal and External examination shall be evaluated using Direct Grading System based on 5 point scale with letter grading from A to E.
- The overall grade for a programme for certification shall be based on Cumulative Grade Point Average (CGPA) with a 7 point scale from A⁺ to D.
- A separate minimum of D grade for internal and external are required for a pass of the course.
- For a pass in a programme a separate minimum Grade D is required for all the courses and must score a minimum CGPA of 2.00 or an overall grade of C⁺ and above.
- The institution has taken necessary steps for the proper conduct of Internal assessment at the college level. Periodic test papers are conducted.

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

- Internal evaluation is done by continuous assessments on the components like Theory, Attendance, Assignments, Seminar/Viva and Class tests.
- The evaluation of all components is published on the department notice board.
- All documents of internal assessment are to be kept in the college for 2 years and shall be made available for verification by the university.
- The responsibility of evaluating the internal assessment is vested on the teacher(s) who teach the course.
- The internal assessment shall not be used as a tool for personal or other type of vengeance.
- A student has all right to know how the teacher arrived at the grade. In order to address the grievance of students, a Grievance Redressal mechanism is envisaged.

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

- The formative evaluation approach involves the Internal Assessment done at the College level.
- The summative approach is through External Assessment at the University level.
- Internal Assessment is detailed under 2.5.2

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

The institution continuously monitors the progress of students through systematic internal assessment which gives due weightage to tests, attendance, assignments and seminar participation as per University rules. The teacher in charge of the class keeps a record of the academic performance and attendance of each student in the class. At the end of each semester, A-forms, as given by the University, are prepared and displayed on the Department notice boards. Grievances if any are addressed. A consolidated B-form countersigned by the HOD of the respective and the Principal is uploaded on the Examination Portal of the university.

PTA meetings are organized after every internal examination and parents are informed of the grades obtained by their ward. Remedial measures are devised and adopted for improvement.

2.5.6 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.

- Transparency is maintained by returning the valued answer scripts of internal test papers and discussing the answers in classes. This improved the rapport between teachers and students. Such transparency facilitates effective teacher-student interaction.
- The internal assessment grades are exhibited on the notice board in the respective departments.
- Necessary corrections are done by the teacher-in-charge. Further changes, if any, are met by the grievance cell.
- Due weightage is given for behavioral aspects in the laboratory work under lab involvement.
- Communication skills are assessed through seminar presentations.

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

Yes.

- Advanced learners are allowed to do presentation in certain topics under the supervision of the teacher-in-charge.
- Remedial classes are arranged for weak students.
- Re-tests are conducted for absentees.
- Extra-classes are arranged.
- Counseling classes are conducted in each department.

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

- Grievance of students is addressed properly to protect and enhance the social image of the institution.
- Grievance redressal committee is met when any complaint or grievance is received. The case is heard from the concerned student and suitable measures are evolved to redress the grievance and establish justice.
- In order to address the grievance of students, a Three Level Grievance Redressal mechanism is envisaged - Department level, College level and University level.
- A student can go to the upper level only if the grievance is not addressed by the lower level.
- Level 1 : Dept. level The department cell chaired by the Head
- Level 2 : College level : College level committee with the Principal as Chairman, Coordinator, HoD and a senior teacher nominated by the College council as members.
- Level 3 : University level : Committee constituted by the Vice-Chancellor

2.6 Student performance and Learning Outcomes

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

Yes

The college has accountability to the stake holders and has clearly stated learning outcomes as per the vision and mission statements of the institution. Some of the important outcomes are

- Mould Intellectually well trained young generation
- Employability and value education
- Strategic skill development through Soft Skills and Life Skills development to meet the challenges of modern times
- The specific learning outcomes of each programme are mentioned in the curriculum and are made known to students through orientation, faculty mentors.

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

- The teaching-learning approaches have been modified in the post accreditation period to make teaching more effective.
- With the introduction of new curriculum by the MG University, it is inevitable that teaching be altered to the diverse needs of students.
- Teaching is made more interactive and student-centered to create genuine interest in the subject.
- Students improve their presentation skills through seminar while their creative skill is enhanced through assignments.
- Interactive method of teaching has generated interest in the students.
- Projects are made part of the curriculum to create research aptitude.
- Individualized learning through tutorials has been successfully carried out.
- Mentoring has enhanced self-confidence in students.

2.6.3. What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (quality Jobs, entrepreneurship, innovation and research aptitude) of the courses offered?

The Career Guidance Centre of the college provides reliable and comprehensive career information source for students. Students are trained to realize their career potential by improving their self-confidence, communication skills and goal-setting.

Proper career guidance and career planning activities are given to bring out the hidden and inherent talents in students through the activities of Equal opportunity centre, Women studies centre, Career guidance and counseling centre.

- Case studies related to environmental pollution are done .
- A few research projects related to social aspects have been carried out.
- Most of the open courses opted by the college in the CBCSS are job-oriented.

2.6.4. How does the institution collect and analyse data on student learning outcomes and use it for planning and overcoming barriers of learning?

The progress of the student is assessed through continuous evaluation process. On the basis of result analysis, the slow learners are identified. These students are given special training through Remedial Coaching Programme. Also Student appraisal is done through a questionnaire. Feedback from the outgoing students, Observations of the PTA are also used for the purpose. The feedbacks have been used for improving the quality of teaching by taking appropriate corrective measures.

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

The academic committee ensures that the academic activities are on par with the aim and objectives of the institution. It reviews the performance of the institution with respect to the curricular, extracurricular and research activities.

- The academic activities like academic performance, administration, learning resources, appointment, Faculty Improvement Programme of teaching staff, infrastructural requirements are reviewed by the college Governing council (Management body).
- Principal reviews the academic and research activities, maintenance of discipline etc. with the assistance of Staff council.
- The academic activities of each department like performance of students, internal assessment, tutorial classes, seminars, projects and academic discipline are reviewed by the department committee.
- The curricular and co-curricular activities and the general discipline of the college are evaluated and reviewed by the co-ordination committee comprising of both teachers and students.

2.6.6 What are the graduates attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students? Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

- The college aims at producing intellectually well trained, morally upright, socially committed and spiritually inspired young men and women.
- Over the years the institution has produced eminent personalities in civil services, educational, medical, legal, visual media, political, governmental, semi-governmental and non-governmental organizations, public and private sectors etc. It is a great achievement since the institution accommodates students hailing from the remote regions of the district.
- Students have built up their career solely based on the vision and mission of this institution which includes the commitment and dedication of teaching faculty.

Education of the right type and quality is essential to refine and humanize individuals and communities. Leadership needs of the society can be met through the proper moulding of the young generation. The quality of education and excellence of an institution are directly linked to the quality of output of its graduates in different spheres. To enhance performance of students, output of teachers and involvement of the community, the college addresses its needs in three different categories. It comprises the needs of the community, students and teachers. Propagation of quality education and implementation of modern educational practices help the students to contribute to the holistic development of the community. Student requirements include the availability of quality education, personality development, skill

upgradation and competence development. Development of professional competency is the main need of the teaching community. Internal institutionalization of arrangements is made to ensure quality academic performance, all-round student development and community service. Strategies and services are institutionalized in order to make them more formal, organized and systematic.



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 institution has six research centers affiliated to Mahatma Gandhi University, Kottayam, Kerala. Departments recognized as research centers by the university are Physics, Chemistry, Botany, Zoology, Commerce and English.

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 institution has a research committee which monitors the activities of the multidisciplinary research center and addresses the issues of research. The committee consists of 15 members of which twelve teachers as representatives of departments. Two teachers are nominated by the Principal. Principal is the Chairman of the committee. A few recommendations of the committee are:

- (i) to promote research activities by taking research projects, both major and minor, with financial assistance from UGC and SCSTE and other governmental or non-governmental funding agencies.
- (ii) to conduct research oriented seminars facilitating faculty to interact with scientists and research personalities in the field of Science and Technology, Literature, Economics and Commerce.
- (iii) to start publishing an accredited research journal.
- (iv) to publish details of research publications and projects undertaken by the faculty in the college newsletter and to display the latest research publications in the college notice board.
- (v) to motivate the faculty to avail of M.Phil and Ph.D under the FIP scheme of UGC

Following are the impact of recommendations

- (i) Teachers availed of Major and Minor Research Projects under the financial assistance of UGC/ISRO/DST/IUSSTF during the post accreditation period Major research projects-6, Minor projects- 31
- (ii) Research centers and other departments of the institution conducted National and regional seminars related to the research area during the post accreditation period. These research oriented seminars provided opportunities to the faculty and students to interact with scientists and

research personalities of Science and Technology, Literature, Economics and Commerce.

Name of the Department	No. of Seminars	Year
Dept of English	2	2013, 2011
Dept of Commerce	1	2014
Dept of Mathematics	1	2011
Dept of Economics	1	2011
Dept of Botany	1	2012
Dept of Zoology	2	2008, 2011
Dept of Chemistry	1	2011
Dept of Hindi	1	2011

- (iii) A peer reviewed interdisciplinary research journal *Reyonois* published by the college with ISSN No. 2277-7652. The editorial committee invites research articles and are published subject to the review and recommendation by experts in the relevant fields.
- (iv) A considerable number of research (national /international) papers were published during the years 2008-14. The list of publications was updated through the college newsletter. The faculty who contribute to research are also honoured in public functions like the College Commemoration Day. These activities on behalf of the institution has motivated and created a healthy competition among the faculty to avail of more research projects and publications in national and International journals.

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 institution offers full autonomy to the Principal Investigator in the implementation of research projects and schemes. The PI has the freedom to purchase books and equipments, to attend seminars and conferences, to use the infrastructure facilities of the institution for the purpose of research activities.

Timely availability or release of resources

The institution releases the sanctioned amount by the UGC or any other funding agency to the Principal Investigator through their bank account without any delay. The Finance section of Principal's office is entrusted to release the amount.

Adequate infrastructure and human resources

The institution has adequate infrastructure facilities for promoting research. Recognized research centers attached to the Departments of Physics, Chemistry, Botany, Zoology, English and Commerce have necessary infrastructure facilities for research comprising of departmental libraries with adequate number of books and research journals. The General Library contains books in the disciplines of Science, Social Sciences, Commerce, Literature and Humanities.

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

The institution gives all privileges to faculty involved in research as per university and government rules. The institution grants special leave to PIs for attending national and international seminars for presenting their research papers.

Support in terms of technology and information needs

The institution has a Common Computer Center with Internet facility. Each department has internet access from a common server under the NME-ICT scheme with computers for the use of teachers and students.

The General Library stacks books of different disciplines and these books are purchased with the financial support of UGC, DST etc.

The institution has sophisticated research instruments purchased during the last five years. All the science departments of the institution including Botany, Chemistry, Zoology, Physics and Mathematics are supported by DST-FIST scheme worth Rs.80,00,000/-. The institution has purchased instruments and set up a computer laboratory under the FIST Scheme. The institution also provides facilities to the faculty and students for utilizing the inter departmental infrastructure and learning resources for the promotion of research

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

The institution insists on the timely auditing and submission of utilization certificate to the funding authorities. The PIs submit the progress report, audited accounts and utilization certificate to the funding agencies on time.

Any other

UGC network resource center, NME-ICT project and INFLIBNET facility provide scholars, students and teachers access to 3000 e-journals and 75000 e-books.

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

Following are the various steps taken by the institution for developing scientific temper and research culture and aptitude among students:

- (i) Post graduate students undertake various research projects under the guidance of faculty as a part of curriculum. These students are sent to various research institutions, inside and outside the state for doing research projects. They are granted leave for this purpose.
- (ii) Eminent personalities in the field of science, literature and social science are invited for delivering talks in regional and national seminars organized by the institution. The institution thus provides ample opportunities to students to interact with these eminent personalities.
- (iii) The institution promotes research culture among students by elevating six PG departments as recognized research centers of the Mahatma Gandhi University.
- (iv) Well-furnished general library hoards 55000 books in different disciplines and research department libraries have many new arrivals of books and research journals.
- (v) Multi-disciplinary refereed journal *Reyonois* published by the institution.
- (vi) Internet facility
- (vii) Access to INFLIBNET.

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.)

Name of Supervising Teacher	Department	Research Scholar
Dr. Ninan Sajith Philip	Physics	Arun Kumar A. Blessen George Deepthi R. Seeniamma C.C. Sheelu Abraham Savithri H. Ezhikkode
Dr. Moncy V. John	Physics	Kiran Mathew

Dr. Shaji Varghese	Physics	K.C. Zachariah
Dr. M.T Simon	Physics	Retired from active service
Dr. Varghese Philip	Chemistry	Janey Mary Mathew
Dr. Varghese Oommen	Chemistry	Retired from active service
Dr. Danielkutty K.	Botany	Jacob George
Dr. Thomas John	Botany	K. Mary Varghese (Ph.D awarded)
Dr. Jasy Thomas	Botany	Gopakumar
Dr. Joseph John K	Zoology	Vimala K. John (Ph.D awarded)
Dr. Nelson P. Abraham	Zoology	Girijakumary.S (Ph.D awarded) Mathew Plamoottil Ninu Thomas
Dr. Roy George K.	Zoology	Malini N.K
Dr. Asha Susan Jacob	English	Elizabeth John Sandhya Srinivasan Sneha Elsy Jacob Rose Thomas
Dr. Shena Eapen	Hindi	Sreelatha P.V. Jino P. Varghese Prof. K. Geetha
Dr. Benson Kunjukunju	Commerce	Sreela Krishnan Sinumon T.G Jeethu Raichel Mathew Abdul Rahman Nithin Venugopal
Dr. Philip Varghese Porattoor	Commerce	George Thomas P. (Ph.D awarded) Sanish Kumar Renji Abraham.

Leading Research Projects

(Major Project)

Dr. NinanSajith Philip, Department of Physics.

Minor Research Projects:

Dr. Annie J. Mathew, Dr. Mary Varghese, Dr. Shirly Annie Oommen, Dr. Jinsu varghese, Smt. Shinimol A.K, Dr. Reena Pappachan George, Dr. Anne Susan Koshy, Dr. Oommen Zachariah, Sri. Pious Joseph, Smt. Jollyamma George, Smt. Merry Zachariah, Mr. Thomas George, Mr. Shaju K. John, Mr. Rony Thomas Rajan, Mr. Prasad Cherian, Mrs. Ligi George, Dr. Anthony George , Dr. R. S. Sindhu, Dr. Saramma Vargese, Dr. Moncy V. John, Dr. Danielkutty, K, Dr. Jasy Thomas, Dr. Nelson P. Abraham, Dr. Roy George, K, Dr. Asha Susan Jacob, Dr. Benson Kunjukunju, Dr. Philip Varghese Porattoor and Dr. Sheena Eapen.

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.

Sl.No	Title of event	Date of commencement	Sponsoring Agency
1	‘ Women and stress in the 21 st century’	11 th and 12 th March 2014	UGC
2	Capacity Building for Women Mnagers in Higher Education: Sensitivity-Awareness-Motivation Wprkshop	Feb 25 – 1 March 2013	UGC
3	Biodiversity of Fungi, with special reference to mushrooms	October 28th - 30th , 2009	Department of Botany UGC
4	Workshop on Astronomy and Astrophysics	Oct 5-7 , 2012	Dept. of Physics

5	National Workshop on Taxonomy, Culture and Industrial application of algae	October 10-12, 2007	Department of Botany
6	Regional Workshop on Biodiversity of Bryophytes and pteredophytes	January 21 - 22, 2008	Department of Botany
7	Workshop in Group Theory	19-01-2012	Department of Mathematics
8	Workshop for PG students – Modernism, Narratology and Literary Theories	8, 9, 10 and 16 August 2012	Department of English
9	Capacity Building for Women Mnagers in Higher Education: Sensitivity-Awareness-Motivation Wprkshop	Nov17 – 21 2008	UGC

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

The prioritized research areas of the institution are;

Department of Physics

Machine Learning and Artificial Intelligence, Theoretical Cosmology, Foundations of Quantum Mechanics.

Department of Chemistry

Inorganic Chemistry

Department of Botany

Algal Ecology, Microbiology & Biotechnology, Environmental Science, Reproductive Biology, Cytogenetics, Mycology, Aerobiology/Palynology. Expertise available :Mushroom cultivation

Department of Zoology

Neurophysiology and Toxicology, Reproductive physiology, Taxonomy, Wildlife Biology & Fresh Water Ecology

Department of Commerce

Priority area of Research: Finance, Investment and portfolio management, banking, Marketing, Entrepreneurship.

Department of English

Feminism, Indian Writing in English, Comparative literature, Postcolonialism.

Department of Hindi

Priority area of Research: Fiction & Functional Hindi

Department of Malayalam

Narrative techniques, Craft of Novel, Manuscript Documents,

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

(i). The institution attracts researchers of eminence by conducting national and regional seminars. Scientists and research scholars of other eminent institutions are invited for lectures and paper presentations. In the post accreditation period the following eminent research personalities visited the college for interaction.

Name of Department	Eminent Scientist Visited with designation	Title of Institution	Date of Function
Physics	Prof. G. Madhavan Nair	Chairman, VSSC	2009
	Dr. Gangan Prasad	V.C., CUSAT	2009
	Dr. Thomas Varghese	NASA, USA	2009
	Dr. Ajit Kambave	IUCAA, Pune	2013
Mathematics	Dr. T. Thrivikraman	CUSAT, Cochin,	2012
	Dr. A. Vijayakumar	CUSAT, Cochin	2012
	Dr. P. Veeramony	IIT, Madras	2011

	Dr. P. Veeramony	IIT, Madras	2011
	Dr. K. Viswanath, Exe. Director	TCS Innovation lab for Business systems	2011
	Dr. Baldev Banarjee, Department of Mathematics	Dibrugarh University, Assam	2011
	Dr. Rajkumar Dare, Department of Mathematics	Madras Christian College, Chennai	2011
	Dr. V. Swaminathan, Director.	Ramanujan Centre for Mathematics, Madurai	2011
	Dr. Vinod Kumar P.B.	Rajagiri college of Engineering, Cochin	2010, 2012
	Dr. Ramkumar P.V	Rajagiri college of Engineering, Cochin	2012
	Dr. Parvathy. R.	Vellalar College For Women, Erode	2011
	Dr. Muralikrishnan K.	NIT, Calicut	2011
History	Dr. Venugopal. B. Menon.	Cochin College	2008
	Prof. Balakrishnan	NSS College, Chenganacherry	2009
	Dr. Varghese George, Chairman	Plantation Corprn., Govt. of Kerala	2010
	Dr. P.F. Gopakumar	University College TVM	2011
	Prof. Karthikeyan Nair	Department of History, University of Kerala	2012
	Dr. Sebastian Joseph	UC College, Alwaye	2012

Economics	Shri. T.P. Sreenivasan	Higher Education Commission, Kerala	2012
	Dr.B. Jayasankar, Sr. Economist	Electricity egulatory Commission, Kerala	2012
	Dr. B. A. Prakash, Professor and Head	Department of Economics, University of Kerala.	2012
	Dr. V.K.Vijayakumar, Chief Economic Strategist	Geojith BNP Paribas	2010
	Dr. Francis, Cherunilam, Professor	CUSAT, cochin	2009
	Dr. George Samuel	Nuclear Scientist	2010
	Dr. C.P. John, Member	State Planning Board	2011
	Shri. Manu J. Vettickan,	Planning Commission New Delhi, Economist RBI.	2009
	Dr. Thomas Issac MLA	Kerala Legislative Assembly	2013
	Dr. S. Iyyampillai, Prof. and Head	Dept of Economics, Bharadidasan University, Trichy	2013
	P. Syriac Mathews, Former Deputy Director	Collegiate Education, Govt. of Kerala	2013
	Dr. John Joseph Associate Professor	Dept. Rural Development Science, AA College, Madurai	2012

	Dr. V. Ramankutty	Achutha Menon Centre for Health Science Studies, TVM	2011
	Dr. Jebamalai Vinanchiarachi	Director General UNIDO	2014
Zoology	Dr. B. Iqbal, Former Vice Chancellor.	University of Kerala	2008
	Prof. P.P. Sood, Emiretus Professor	Sourastra University	2010
	Dr. Sreekumar. B, Scientist.	RGCB, Thiruvananthapuram	2011
	Dr. A.P.Thomas, Director.	A.C.E.S.S.D, Mahatma Gandhi University, Ktm	2010
	Dr. ReghuK.G.	NCR Thiruvananthapuram	2011
	Dr. Thomas Varghese Oncologist.	Lake shore hospital, Cochin	2012
	Shri. Thomas Mathew , Chief Coconut Development Officer,	Coconut development Board, Government of India	2011
	Dr. Sunil Aggrawal, Cardiac Surgeon	MGM Cardiac Centre, Parumala, Kerala	2011
	Dr. Sabareeswaran,	SCIMT, Thiruvanthapuram	2011
	Dr. Hari.S. School of Biosciences,	M.G. University	2011
	Dr. Subash Peter, HoD	University of Kerala	2008

Chemistry	Dr. Sabu Thomas, Professor, School of Chemical Sciences	M.G. University, Kottayam	2009
	Dr. Siby B. Varghese, Scientist, Rubber technology Division	Rubber Research Institute, Kottayam	2008
	Dr. S. Ramakrishnan, Professor	IISC, Bangalore	2008
	Dr. Jacob Mathew, School of Pedagogical Sciences	MG University, Kottayam	2009
	Dr. M.R. Pratapa Chandra Kurup, Professor in Inorganic Chemistry	CUSAT, Cochin	2010
	Dr. K.G. Varghese, Havelment University	Burgan, Norway	2012
English	Dr. Pramod K. Nayar	University of Hyderabad	2013
	Dr. Rita Kothari, Associate Professor	Bhupen and Smriti Shah Chair, IIT, Gandhinagar, Ahmedabad, Gujarat	2013
	Dr. K.M. Krishnan, Associate	School of Letters, MG University,	2013
	Smt. Saraswathy Rajagopalan, Executive Editor	DC Books, Kottayam	2013
	Khan Touseef Osman, Lecturer	Metropolitan University, Bangladesh, Research Scholar at	2013

		Institute of Kashmir Studies, University of Kashmir, Srinagar	
	Prof. Josy Joseph, Associate Professor	SB College, Changanacherry	2013
	Dr. B. Hariharan	Institute of English, Thiruvanthapuram	2012
	Prof. G.N. Devy	DAIICT, Gujarat	2011
	Dr. Susie Tharu, Eminent Professor	EFLU, Hyderabad.	2011
	Ms. Mini Krishnan	Editor, OUP, Chennai	2011
	Ms. Katja Mueller, Research Associate	Leipzig Cultural Museum, Germany	2011
	Dr. Kalyani T Vallath	TES, Thiruvananthapuram	2011
	Marshal V Sebastian, Bureau Chief	India Vision.	2010
	Meena.T. Pillai,	Institute of English, Thiruvananthapuram.	2009
	Mr. Mathew .T. George	Editor, The Week	2009
	Ms. Jan Mary Varghese	Editor, The Week	2009
	Ms.Jayaraj Sivan, Assistant Editor	Times of India, Chennai	2009
	Mr. Varghese C. Thomas, Kottayam.	Bureau Chief, Malayala Manorama daily	2009
	Mr. Jacob Abraham, Copy Writer	Mathrubhumi, FM Radio	2009

	Dr. Saji Mathew, School of Letters	MG University	2008
Botany	Dr.A.R.Menon, Scientist	KFRI, Peechi,	2008
	Dr. C.I. Jolly, Professor of Biochemistry,	Amala cancer Research Centre,TCR	2008
	Dr. Thomas. P. Thomas, Scientist,	KFRI, Peechi, TCR	2008
	Dr. Madhusoodanan, Prof. & HoD	Department of Botany, Calicut University	2008
	Dr. K. Jayachandran, HoD, Department of Bio- Technology,	School of Bio Sciences, MG University, Kottayam	2009
	Dr. C. Mohanana,Scientist,	KFRI, Peechi,	2009
	Prof.Dr. Monimohan, Associate Professor,	Calicut University	2009
	Dr. T. Muthukumar, Associate Professor	Bharathiar University	2009
	Dr.V.S. Vijayan, Chairman	Kerala Biodiversity Board	2010
	Dr. Alex John	KVK, Thelleyoor	2009
	Dr. Anil Kumar N.	Dr.MSSRF, Wayanad	2010
	Dr. R.V. Varma	Chairman, Kerala State Boidiversity Board	

Commerce	Dr. P.K. Velayudhan, DCE,	Govt. of Kerala	2014
	Dr. G. Ganeshan, Director	School of Commerce and Management, Bharathiar University	2014
	Dr. George Alexander Muthoot	M.D., Muthoot Finance	2014
	Sri. V.E. Josekutty, ICLS	Dy. Registrar of Companies, Kerala	2014
Malayalam	Smt. Sugathakumari Literature Laureate	Trivandrum	2008
	Dr. Cheravally sasi Poet	Kayamkulam	2008
	Prof. Lalithamma Orator	Aranmula	2008
	Jose K. Manual Journalist	Malayala Manorama	2009
	Adv. Jitheesh Cartoonist	Pathanamthitta	2010
	Blessy	Film Director	2010
	Benyamin	Writer	2011
	Dr. P.N. Suresh	V.C, Kalamandalam	2011
	Perumpadavam Sreedharan	Novelist & President, Kerala Sahitya Academy	2012
Hindi	Prof. P. Madhavan Pillai	SSU University, Kalady, Kerala	2008
	D. Krishna Panikker, Deputy Director (Retd)	Official language Dept. Govt. of India	2010

	UKS Chauhan IAS	Secretary, Youth Affairs, Govt. of Kerala	2010
	Dr. Kumuthy Sharma, Associate Professor	University of Delhi	2011
	Dr. Ravi Ranjan, Professor and Head	Central University, Hyderabad	2011
	Dr. Rajan Varghese, PVC	MG University, Kottayam	2011
	Dr. N. Raveendra Nath, PVC (Retd)	M.G. University, Kottayam	2011
	Dr. T.K. Narayana Pillai, Director	Central Hindi Institute, Hyderabad	2012
	Dr. K.V. Narayana Kurup, Member, Syndicate	MG University, Kottayam	2013
	Prof. M.S. Jayamohan, Editor	'Sangrathan', Thiruvananthapuram	2013

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?

Twelve percentage of the faculty has utilized Sabbatical Leave for research activities. Teachers are permitted and supported for availing FIP. Under the auspices of the College Research Committee, findings and observations of the researchers are presented and discussed.

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

The following are the initiatives taken by the institution are:

- NSS of the college organize community oriented seven days camps in different villages augmenting the exchange of information and knowledge with students and community helping in personality development through community service. Blood group identification and donation of blood is another practice which link college to community.

- Exhibitions conducted by various science departments link the scientific finding to community.
- Implementing social programmes in cooperation with local self-governments
- Publication of books
- Publication of research articles in popular magazines
- Publication of refereed research journal Reyono journal of interdisciplinary studies.

3.2. Resource Mobilization for Research

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

The disadvantaged students are supported financially through (i) Endowments (ii) individual support by the faculty (iii) the department funding programme (iv) financial support by SCSTE (v). facilities provided by the research departments (vi) Logistic support (vii) Student aid fund.

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 interdisciplinary research.

The faculties and students are utilizing interdisciplinary infrastructural facilities for their research activities. With the active participation of interdisciplinary research forum an accredited Interdisciplinary journal REYONO is published.

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

- For ensuring optimal use of various equipments of the institution the following procedures are adopted: Faculty is entrusted to facilitate operation of the instruments to staff and students on their request. Prof. Dr. Thomas John, Prof. Dr .Thomas P. Thomas Botany and Dr. Jinsu Vargheseof the Department of Zoology attained training from recognized instrumentation training centers. Maintenance of equipments is managed by the faculty through AMC, On -call facilities etc. Log books are provided to ensure the proper utilization of equipments.
- Research guides of the research departments are entrusted to open the research facilities to staff and students of the institution.

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

The institution has not received any special grants or finances from the industry or other beneficiary agency for developing research facility.

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 notifications regarding the submission of research projects are intimated to the teachers through staff meetings.
- Copies of the format for submission are circulated to all the departments
- Proposals submitted by teachers are forwarded to the University and funding agency by the college office machinery.

Details of the completed and ongoing projects are :

MAJOR PROJECT

Sl No	Name of Principal investigator	Title of project	Sanctioning agency	Fund sanctioned	Period of project
1	Ninan Sajeeth Philip	Project on Machine learning Applications for Astronomy Research (RESPOND PROJECT)	ISRO	12,30,067	2008 - 11
2	Ninan Sajeeth Philip	Indo-South African Bilateral Project on Multi wavelength Astronomy with Virtual Observatory	DST	43,73,560	2011-14
3	Ninan Sajeeth Philip	Virtual Observatory India (VO-i)	DST	1,22,00,000	2011-14
4	Ninan Sajeeth Philip	Broadband X-ray spectral Investigation of active galactic-nuclei	DST	15,51,440	2013-16

5	Ninan Sajeeth Philip	Multiwavelength photometric and red shift of transients and other sources (RESPOND PROJECT)	ISRO	22,25,000	2014-17
6	Ninan Sajeeth Philip	Indi-US Center For Astronomical Object And Feature Characterization And Classification	IUSS TF,D ST (bilateral)	35,10,000	2012-15

MINOR PROJECT

Sl No	Name of Principal Investigator	Title of the project	Sanctioning agency	Fund sanctioned Rs.	Period of project
1	Moncy V. John	Model Independent Bayesian Analysis in Cosmology	UGC	71500	2007-09
2	Ninan Sajeeth Philip	Machine learning Tools for Diabetes research	UGC	75500	2007-09
3	Moncy V. John	Modified de Broglie Bohr approach to Quantum Cosmology	UGC	50000	2012-14
4	Thomas John	Aerobiological Survey of St. Thomas College, Kozhencherry Campus	UGC	54000	2006-07

5	Annie J Mathew	Preliminary studies on endophytic fungi of selected medicinal plants in Kerala	UGC	83000	2006-08
6	K. Mary Varghese	Management of Ginger from Root Knot Nematode infestation at Kozhencherry	UGC	105000	2010-12
7	K. Danielkutty	Survey, Identification, conservation of Rare endangered medicinal plants of Ethnobotanic importance of the Pampa river basin of Pathanamthitta District	UGC	100000	2010-12
8	Jasy Thomas	Nutritional Evaluation and Biological efficiency of Pleurotus spp. On Mission Grass (Pennistum polystachion Linn.) as substrate	UGC	200000	2011-13
9	Shirly Annie Oommen	Study on Bioremediation of Pesticides in soil using selective bacterial groups	UGC	67,000	2010-12
10	Joseph John	Toxological Effect of Thiodan on the tissues of Selected mammal	UGC	27500	2006-08

11	Dr.Nelson. P Abraham	Comparison of water quality parameters of pampa river and adjacent drinking water sources	UGC	45000	2007-08
12	Dr.Roy George.K	Studies on the female reproductive toxicity- Terratogenicity of Bisphenol A on mammalian system	UGC	90000	2007-08
13	Jinsu Varghese	Characterization Antibacterial Proteins from Epidermal Mucous of selected Teleost fishes	UGC	100000	2010-12
14	Shinimol A.K	Study on the antibacterial activity extracts of edible mushrooms	UGC	140000	2014-16
15	Reena Pappachan George	Antimicrobial and anti oxidant activity of ethanol and hexane extract of Kaimpheria galanta rhizome	UGC	120000	2013-15
16	Anne Susan Koshy	The Career of Woman in English Woman's Fiction-a Feminist Perspective" Funding Agency &	UGC	110500	2011-12
17	Asha Susan Jacob	The Fictional Canvas of K.Saraswathiamma The Forgotten Pioneer of Feminism in Kerala	UGC	80,000	2009-11

18	Asha Susan Jacob	The Contours of Tribal Culture: The Fictional World of Narayan.	UGC	1,20000	2013-15
19	Oommen Zachariah and Pious Joseph	Prospects and problems of Rubber wood industry in Kerala in comparison with other wood based Industries	UGC	66000	2009-10
20	Jollyamma George and Merry Zachariah	Problems and Prospects of Eco- Tourism in Kerala- with special reference to Tenmala Eco- Tourism centre	UGC	68000	2009-10
21	Thomas George & Shaju K John	Water Pollution and its impact on rural health: A microanalysis based on river Pampa , Kerala, India	UGC	65000	2012-14
22	Rony Thomas Rajan	Factors influencing the adoption of medical technology; a case of private for profit hospitals in kerala.	UGC	50000	2012-13
23	Ligy George	Log-Laplace distribution as a model for Logrithams	UGC	70000	2007-09
24	Prasad Cherian	Study on Dynamism of continuous functions in topological space	UGC	1,30,000	2010-12

25	Sheena Eapen	The role of translation in the development of functional Hindi	UGC		2008-10
26	Antony George	Competitiveness of Indian Financial Institutions	UGC	45000	2008-10
27	Bensonkunjukunju	Globalization and its Impact on Banking Services in Kerala-A Study	UGC	75000	2007-09
28	Philip Varghese Porattoor	Productivity Performance of State Level Public Sector Manufacturing Units of Kerala.	UGC	50000	2009-11
29	Philip Varghese Porattor	Weak form Informational Efficiency of the Indian Stock Market	UGC	45000	2014-16
30	R.S. Sindhu	Effect of Yoga and meditation on selected physiological variables among college women	UGC	30000	2009-11
31	Saramma Varghese	Feminist criticism in Malayalam-Problems and possibilities	UGC	75000	2014-16

3.3 Research Facilities

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

The major research facilities on the campus include:

- Researchers room for the recognized research centers in Physics, Chemistry, Botany, Commerce, Zoology and English.
- Library facilities and subscribed research journals and access to INFLIBNET.
- Laboratory facilities in Physics, Chemistry, Botany and Zoology.
- Collaboration with other research institutions, faculty exchange and students exchange.

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 Management is keen in providing all facilities for research. Following are the strategies adopted by the Management for planning , upgrading and creating infrastructural facilities for research.

- Faculty is granted leave for doing research (FIP).
- Seeking the financial support of Alumni
- Contributions from faculty
- Collaboration with governmental agencies
- Financial support of UGC and other funding agencies
- Access to NME-ICT facility.

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.

- Support of UGC and PTA facilitated for uninterrupted power supply (Solar photovoltaic system) and continuous water supply.
- Laboratory equipment and instruments procured through various schemes of UGC and FIST scheme of DST.
- Common Computer facility Laboratory expanded using various NME/ICT schemes and LAD schemes of MP fund.

Equipment procured

UV VIS spectrophotometer-Shimadzu: 2

Elemental analyzer-HANNA (Hi 83099): 1

Conductivity meter-EUTECH:1

Dissolved Oxygen Meter-EUTECH : 1

BOD cooling incubator REMI (CI 3S): 1

Flame photometer (Model 128): 1
 Laminar Air flow Horizontal SS (CAH 600): 1
 Vacuum Oven,:1
 Polarimeter :1
 Microtome:2
 Ultra Centrifuge:1
 Microscope with Computer attachment:1
 Electrophoresis Unit:1
 Computers:17

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

- Students are granted permission to work in accredited research centres with proper guidance by the research guide. Two Students pursuing research in the Department of Physics were invited to NASA, Capetown, Japan

Arun Kumar. A:

- (i). Visit to California University of technology under INDO-US Bilateral Project from 31st May to July 1st, 2013.
- (ii) Visit to IUCAA, Pune as part of Indo-US joint center project from September 4th to October 5th, 2013 and February 5th to March 29th, 2014.

Sheelu Abraham:

- (i) Visit to California University of technology under INDO-US Bilateral Project from 31st May to July 1st, 2013.
 - (ii) Visit to IUCAA, Pune as part of Indo-US joint center project from September 4th to October 5th, 2013 and February 5th to March 29th, 2014.
- Library facilities in University centres and Centre for Developmental Studies, Thiruvavthapuram are made accessible to the students.
 - Permission is sought from Institutions like Mahatma Gandhi University, Rajeev Gandhi Centre for Science and Technology, CPCRI, CUSAT, IUCCA, ERRC, TIES etc. for using the sophisticated instrumentation.
 - Pollution Research Laboratory in Department of Environmental Sciences, Mahatma Gandhi University, Tropical Institute of Ecological Sciences, Kottayam.

- Computer aided neural networking in collaboration with ISRO and IUCCA

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

Facilities available specifically for the researchers are:

- Research centres of Physics, Botany, Zoology , English, Chemistry, Commerce have departmental libraries which contain books related to the priority area of research .
- Research departments are linked to INFLIBNET through which research scholars can access research journals.
- Research centers of Physics, Chemistry, Botany, Zoology procure necessary equipments for promoting research in the thrust areas of the research guides.

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.

- Research centre of the Department of Physics in collaboration with ISRO developed an ISRO RESPOND laboratory.
- Algal repository in collaboration with Algological Society of India, Chennai.
- Cluster computing facility in collaboration with IUCAA, Pune
- Development of machine learning tools for astronomy research in collaboration with ISRO.
- A Water Pollution Studies laboratory with licensed by Kerala state pollution control board.

3.4 Research Publications and Awards

Original research contributing to product improvement

1. Dr. Viju Susan Mathew, Department of Chemistry: Research leading to improvement of stuffing ability of epoxyresins.
2. Dr. Mary Varghese , Department of Botany, Biocontrol of Ginger (Application at CPCRI)

Research Studies or Surveys

Benefiting the Community or Improving the Services

Ninan Sajeeth Philip, Department Physics

1. Research in Machine Learning and Artificial Intelligence Research work has application in all data mining problems for the detection of instances

with a specified criteria, like cancer cell detection in medicine, EEG artefact detection and removal, climate studies and astronomy.

2. Identified and published the evolution of the rainfall pattern in Trivandrum city for the past 200 years, progress of complications in Diabetics patients treated in the hospitals in and around Pathanamthitta district. A portable OS (now known as Porteus-ATMA) help students to port their working environment and OS across computers as if they are working on the same computer. Developed various software for machine learning and data mining applications that are widely used by the community under the GPL licensing.
3. Virtual Observatory SALT-VO international project is a joint programme supported by both Indian and South African government. is one of the investigators for porting SALT observations to the VO framework.

Moncy V. John, Department Physics

Development of a method that can be used along with Bayesian Statistical analysis

Annie J. Mathew, Department of Botany

Enhancement of secondary metabolites using bioreactors and Micro propagation of kallurukki using biotechnology.

Jasy Thomas, Department of Botany

Mushroom cultivation and spawn production. Her research and expertise in this area was extended to conduct a training programme on mushroom cultivation for the Kudumbasree units in Kozhencherry panchayat.

Shirly Annie Oommen, Department of Zoology

Research project yielded the result of reducing the amount of pesticide in the soil using bioremediation using microbes.

Sheena Eapen, Department of Hindi

Development of functional Hindi in the fields of administration, mass communication, information Technology, and computer.

Asha Susan Jacob, Department of English

Research project focused on tribal literature leading to sensitization and awareness of tribal life and culture.

Research inputs contributing to new initiatives and social development

Dr. George K. Alex voluntarily served as the South Indian Co-ordinator of Dalit Intellectual Collective and Vikas Adhyayan Kendra, Mumbai during 2005-2012. During this time he initiated projects and organized seminars and workshops at various levels for the overall development of the Dalit community at national level. The following projects have materialized and are published into book form.

1. Documentation and Publishing of Malayalam Dalit Poetry in to English. This is the pioneering work which brings out a comprehensive collection of Malayalam Dalit Poetry at National level. This collection of work published by Vikas Adhyayan Kendra Mumbai in 2008 under the title Writing in the Dark
2. Publication of Anthology Malayalam Dalit Literature. This project identified more than 50 Dalit writers from 19th century to 20th century with an aim to document the comprehensive history Malayalam Dalit literature. This work is published as a book with the title Re-Inventing Identity in 2008. Later on, literary historians acknowledged this work in their own publications from India and abroad.
3. Documentation of Dalit Land Rights Movements in Kerala. As a part of this project the first booklet titled, Chengara Land Struggle in a Historical Perspective, was published in 2012.
4. South Indian Dalit Paining Workshops and Exhibitions all over India was conducted during the period 2007 to 2012. Aroud 40 painters from Kerala, Tamil Nadu, Andhra Predesh and Karnata joined in Vagamon, Asha Sadan Campcentre in the month of November every year and produced one work for exhibition. The painting was brpught out in calender form.

The above cited projects aimed to project Dalit community's cultural contributions at national level. The above said publications served documentation purposes as well as it is bringing out visibility to Dalit cultural activism at national level.

Presently, Dr. George K. Alex is associating with National Law School of India Bangalore in the project titled "Voices from the Margin". He is the state coordinator of the project. This project is funded by Indian Council of Social Science Research, Calcutta.

- 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 institution publishes a refereed research Reyono journal of interdisciplinary studies with ISSN NO: 2277-7652. The editorial board consists of Managing Editor, Advisory board, Chief Editor, Editors and Editorial Committee. The Principal of the college is serving as the Managing Editor. Dr. Asha Susan Jacob, Department of English is the Chief Editor and Dr. Varughese Philip and Dr. Philp Varghese Porattoor of the Departments of Chemistry and Commerce respectively are serving as the editors.

Publication policy: Reyono is an interdisciplinary research journal published by St.Thomas College, Kozhencherry, Kerala. It seeks to promote, co-ordinate and disseminate intellectual deliberations among academia. Published Biannually in January and July, the journal features original research papers of interdisciplinary nature pertaining to science, humanities and social sciences. Papers submitted are published only after review and recommendation by expert referees. It intends to serve as a forum committed to pursuit of academic excellence.

3.4.3 Give details of publications by the faculty and students:

Publication per faculty

Number of papers published by faculty and students in peer reviewed journals (national / international) **List of Journals Published, its impact factor and citation index**

Department of Physics

- 1 **Saji Chacko, Ninan Sajeeth Philip**, and V.K Vaidyan, “Effect of substrate temperature on structural , optical and electrical properties of spray pyrolytically grown nanocrystalline SnO₂ thin films” , Physi. Stat. Sol(a), Germany, Vol. 204, issue 10, (2007), 21 citations, impact factor 1.5.
- 2 **Saji Chacko, Ninan Sajeeth Philip**, K.G. Gopichandran, Peter Koshy, V.K. vadiyan, Nanostructural and surface morphological evolution of chemically sprayed SnO₂ thin films, Appl. Surf. Sci. 254 (2008) 2179 – 2186, 6 citations, impact factor 2.0.
- 3 **Ninan Sajeeth Philip**, Richard Kessler, “Results from the supernova photometric classification challenge” ,Publications of the Astronomical Society of the Pacific,(2010), 122, 1415, impact factor 2.83.
- 4 **Ninan Sajeeth Philip**,“A Learning Algorithm based on High School Teaching Wisdom,” Paladyn Journal of Behavioral Robotics, 2010, 1(3), 160, Impact factor 2.03
5. **Arun Kumar A,Ninan Sajeeth Philip**, Vincent J. Samar, James A. Dejsardins, Sidney J. Segalowitz, A wavelet based algorithm for the identification of event-related potential Components, 2014, Journal of Neuroscience Methods, Vol. 233, p63-72

6. Ciro Donalek, **Arun Kumar A**, S.G. Djorgovski, Ashish A. Mahabal, Matthew J. Graham, Thomas J. Fuchs, Michael J. Turmon, **N. Sajeeth Philip**, Michael Ting-Chang Yang, Giuseppe Longo, Feature Selection Strategies for Classifying High Dimensional Astronomical Data Sets, Proceedings of Scalable Machine Learning: Theory and Applications, IEEE BigData 2013, Santa Clara, CA, USA.
7. J. Drake, S.G. Djorgovski, D. García-Álvarez, M.J. Graham, M. Catelan, A. A. Mahabal, C. Donalek, J. L. Prieto, G. Torrealba, S. Abraham et al., Ultra-short period binaries from the Catalina Surveys, 2014, *ApJ*, 790, 157.
8. Shruti Tripathi, R. Misra, G. C. Dewangan, Jithu Cheeran, Sheelu Abraham and **N. S. Philip**, Spectral variability of IRAS 18325-5926 and constraints on the geometry of the scattering medium, 2013, *APJ*, 773, 130.
9. Classification by Boosting Differences in Input Vectors, **N.S. Philip**, A. Mahabal, S. Abraham, R. Williams, S.G. Djorgovski, A. Drake, C. Donald and M. Graham, International Workshop on Stellar Libraries, Proceedings of a conference held 5-9 December, 2011 at University of Delhi, India. Edited by Philippe Prugniel & Harinder P. Singh. ISBN: 978-81-922926-4-9. Astronomical Society of India Conference Series, Vol. 6, 2012, p. 151
10. A Photometric Catalogue of Quasar and Other Point Sources in the Sloan Digital Sky Survey, Sheelu Abraham, **Ninan Sajeeth Philip**, Ajit Kembhavi, Yogesh G. Wadadekar and Rita Sinha, *MNRAS*, 2012, 419, p80-94.
11. **Moncy V. John**, “Probability and complex quantum trajectories”. *Annals Phys.*324:220-231,2009. Impact factor 3.1.
12. **Moncy V. John**, “Delineating cosmic expansion histories with supernova data. . Jul 2009.
13. **Moncy V. John**, “Bayesian model-independent evaluation of expansion rates of the universe”. *Astrophys.Space Sci.*330,7-11, (2010). Impact factor, 1.7
14. **Moncy V. John** (St. Thomas Coll., India),” Probability and complex quantum trajectories: Finding the missing links”. *Annals Phys.*325:2132-2139,(2010) .Impact factor 3.1
15. **Moncy V. John** (St. Thomas Coll., India), Complex Trajectories and Dynamical Origin of Quantum Probability. Jul 2010. 6pp.Proceedings.

16. **Moncy V. John** (St. Thomas Coll., India), Complex correspondence principle in the modified de Broglie-Bohr quantum mechanics,. Apr 2011. 8 pp.
17. **Ninan Sajeeth Philip**, S.Abraham, “ A photometric catalogue of Quasars and other point sources in the slogan Digital Sky Survey” MNRAS, 419,80, (Impact fasctor 5.1)

Department of Chemistry

- 18 **Viju Susan Mathew**; C. Sinturel, S C George and Sabu Thomas. “Epoxy resin/liquid natural rubber system: secondary phase separation and its impact on mechanical properties”. Journal of Materials Science, 45, 7, 1769-1781, 2010.
- 19 C. Komalan, K. E. George, K T. Varughese, **Viju Susan Mathew** and S. Thomas, “Thermogravimetric and wide angle X-ray diffraction analysis of thermoplastic elastomers from nylon copolymer and EPDM rubber”. Polymer Degradation and Stability, 93 (12), 2104-2112,(2008.)
- 20 **Viju Susan Mathew**, P. Jyotishkumar, S.C. George, P. Gopalakrishnan,, L. Delbreilh, , J. Saiter,, P. J. Saikia, and S. Thomas,” High Performance HTLNR/Epoxy Blend – Phase Morphology and Thermo-mechanical Properties” , J.App.Pol. Sci., 125,(1),804-811, 2012.
- 21 .J.P. Pillai, J. Pionteck, R.Hatler, C. Sinturel, **Viju Susan Mathew** and S.Thomas, “Effect of cure conditions on the generated morphology and Viscoelastic properties of a (Poly (acrylonitrile-butadiene-styrene) Modified Epoxy Amine System”, Industrial &Engineering Chemistry Research, 51(6),2566-2595(2012)
- 22 Y. A. Ibrahim, N. A. Al-Awadi, T. F. Azemi, **Susan Abraham**, E. John Sequential Staudinger ketene-imine cycloaddition, RCM approach to polycyclic macrocyclic bisazetidiones RSC advances, 2013,3, 6408-6416.
- 23 T. Satyanarayana, **Susan Abraham** and H. B. Kagan Nonlinear effects in asymmetric catalysis Angew. Chem. Int. Ed. Angew. Chem. Int. Ed., 2009, 48, 456-494.
- 24 **Susan Abraham**, Y. A. Ibrahim, N. A. Al-Awadhi, T. F. Al-Azemi, E. John Sequential Staudinger ketene imine cycloaddition, RCM approach to polycyclic macrocyclic bisazetidiones, International conference on Drugs for the Future: Infectious diseases Antimicrobial drug discovery: Challenges and perspectives DFID-2014 held at Hyderabad, March 2014.

- 25 **Susan Abraham** and G. Sundararajan Chiral Diethanolamine – Borohydride Promoted Asymmetric Michael Additions, International Research Conference on Advanced Techniques in Chemistry-IRCATC 2014, held at St. Albert's College, Ernakulam, on 9th January, 2014.

Department of Botany

26. **Annie J. Mathew** and K. Jayachandran, “Rapid propagation of *Scoparia dulcis* Linn. through leaf culture”, *Research J. Biotech*, 3:31-35 (2008) Impact factor 0.284
27. **Annie J. Mathew**, K. Jayachandran and Jyothis Mathew, “Endophytic *Penicillium citrinum* Thom. From *Scopariadulcis* Linn”, *Indian Journal of Microbiology*, 50, 99-105 (2008). Impact Factor 0.932
28. **Annie J. Mathew** and Jayachandran.K.” Production of scopadulcic acid B from *Scoparia dulcis* using *Luffa* sponge bioreactor”, *Plant Cell Tissue and Organ Culture*: 98, 197-201 (2009), Impact factor 1.20
29. **Annie J. Mathew** and Jayachandran.K,” Biosynthesis of an antiviral Diterpene in a *Luffa* sponge Bioreactor, *Agri.cell reports* ISSN 0378-145X:2.
30. **Annie J. Mathew** “Endophytic Fungi on selected Medicinal Plants in Kerala” *Proceedings on National Workshop on Biodiversity of Fungi*(1) 65-71, (2009)
31. V.K. Sosamma, **K. Mary Varghese**, “ Record of the root knot nematode *Meloidoigyne incognita* infestation on *Plumbago rosea* , a medicinal plant, *Indian, J. Nematol*, 39(3) 109(2009).
32. **Varghese Mary. K**, “ Effect of “*Pastueria penetrans* on Burrowing Nematode *Rhadophlos similis* on Ginger, *Zingiber officinalis*” , National symposium on non chemical insect and pest management.

Department of Zoology

33. Mathew Plamoottil and **Nelson P. Abraham** 2014. *Mystus keralai* (Siluriformes: Bagridae), a new fish species from Kerala, India. Accepted in. *International Journal of Pure and Applied Zoology*
34. Mathew Plamoottil and **Nelson P. Abraham** (2014). *Macrognathus albus* (order :synbranchiforms; family:mastacembelidae), A new fish species from Kerala, India. *International journal of Pure and Applied Zoology*, Vol.2, Issue 2, pp:100-105.
35. Mathew Plamoottil and **Nelson P. Abraham** (2014). *Macrognathus fasciatus* (order : synbranchiforms ; family: mastacembelidae) ,A new fish species from Kerala, India. *J.Exp.Zool.India*. Vol.17,No.1,pp.49-54.

36. **Roy G.K.** and Malini N.A. (2014) The prevalence and etiology of Polycystic Ovarian Syndrome(PCOS) as a cause of female infertility in Central Travancore. Accepted paper for The Bioscan.9(1).
37. **Roy G. K.** and Malini N. A. Praveena G. S. and Rejani M. K. (2014) Haematological and biochemical alterations in short term exposure to sub lethal concentration of bisphenol a in *Oreochromis mossambicus* (Peters, 1852). Accepted paper in Indian. J. Fish.
38. **Roy G. K.,** Malini N. A. and Rajasree D. (2014).Effects of acclimation to captivity on haematological indices of different groups of fresh water teleosts. Accepted & Under revision in Journal of Applied and Natural Science.
39. **Roy G. K.,** Malini N. A. and Hima S. (2014).Prepubertal exposure to xeneostrogen bisphenol A alters mammary gland development and histology in *Rattus norvegicus*. Bioscan (Communicated)
40. Mathew Plamoottil and **Nelson P.Abraham** (2013). Endemic fishing gear usage in Manimala River, Kerala,India. In Proc.Natural Resource Management: A key to sustainability,published by Dept.of Bptany,Assumption College, Changanasserry.pp.109-113.
41. Mathew Plamoottil and **Nelson P.Abraham** (2013).*Puntius viridis*(Cypriniformes,Cyprinidae) a new species from Kerala,India. Journal of Research in Biology.vol.3,No.7.pp.1093-1104.
42. Mathew Plamoottil and **Nelson P.Abraham** (2013).Rediscovery of *Pristolepis malabarica* after one half century.J.Adv.Zool.34(1):28-35.
43. Mathew Plamoottil and **Nelson P.Abraham** (2013). *Mystus indicus* and *M.heeki*,two new catfishes from Kerala,India.Biosystematica,7(1):43-58.
44. Mathew Plamoottil and **Nelson P.Abraham** (2013).*Mystus menoni*, A new fish specis from Kerala, India. International journal of Pure and Applied Zoology,Vol.1,Issue 4,pp:315-325.
45. Mathew Plamoottil and **Nelson P.Abraham** (2013). *Horabragus melanosoma*, a new fish species (Actinoptergii: Siluriformes) from Kerala,India. International journal of Pure and Applied Zoology,Vol.1,Issue 4,pp:280-288.
46. Mathew Plamoottil and **Nelson P.Abraham** (2013). Indigenous fishing methods in Manimala River,Kerala,India. J.Adv.Zool. 34(2):92-102.
47. **Roy G.K.,** Shibija N.G. and Malini N.A. (2013). Monosodium Glutamate (MSG) induced developmental dysfunction in female albino rats (*Rattus norvegicus*). The Bioscan., 8(1): 73-76.
48. Kurian Mathew Abraham,Soniya Joseph, smitha S, **Geetha Paul**,Mini Mary Thomas and Sharon Vergis (2013). Enhancement of skin

- colouration through feed additives in aquaculture of sword tail, *Xiphophorus helleri*. Journal of Basic and Applied Biology. Vol.7, Issue 3, pp:180-182.
49. Ann Mary Jacob, Smitha S., **Geetha Paul** and Kurian Mathew Abraham (2013). Lead induced haematological lesions in *Clarius gariepinus* (Burchell, 1822). National Seminar on Emerging Trends in Indian Aquaculture (Etia). Book of Abstracts AEMP02, pp:103.
 50. Kurian Mathew Abraham, Kavitha H., Smitha S., **Geetha Paul**, Ann Mary Jacob and Anup Philip Varghese (2013). Morphometry of *Epiplatys maculatus* from two different habitats. National Seminar on Emerging Trends in Indian Aquaculture (Etia). Book of Abstracts OFCOP04, pp:135.
 51. Mathew Plamoottil and **Nelson P. Abraham** (2012). *Glyptothorax elankadensis* (Order: Siluriformes; family: Sisoridae), a new fish species from Manimala river, Kerala, India. *Biosystematica*, 6(2):17-25.
 52. **Nelson P. Abraham** (2012). Biodiversity loss –our concerns. In Proc. of the National seminar on Biodiversity : Its conservation for future (Eds.) Devipriya and R. Arunadevi. Department of Botany and Zoology, St. Thomas College, Ranni, pp:152-160.
 53. **Roy G. K.** and Malini N. A. (2012). Infertility in females in context of antisperm antibodies in pelvic inflammatory disease (PID) and polycystic ovarian syndrome (PCOS). *The Bioscan.*, 7(1) : 47-51
 54. **Roy G. K.**, Malini N. A. and Sandhya R. G. O. (2012). Biochemical changes in liver and muscle of cichlid, *Oreochromis mossambicus* (Peters, 1852) exposed to sub-lethal concentration of mercuric chloride. *Indian. J. Fish.*, 59(2): 147 – 152.
 55. **Roy G. K.** and Malini N. A. 2012. Maternal exposure to xenoestrogen bisphenol a on embryo fetal development and teratogenic potential in *Rattus norvegicus*. *The Bioscan.*, 7(3) : 517 – 520.
 56. **Reena P. George** and B.Suresh (2012). A study of two common pond breeding anurans and their tadpoles in its natural habitat in Vadodara district, India. Poster presentation on International Conference on Wild life with special emphasis on Human-Animal conflict.
 57. **Reena P. George** and Soniya Samuel (2012). Larvicidal activity of selected plant extracts against the Indian Strain of Dengue fever mosquito *Aedes aegypti*. *Journal of Herbal Medicine and Toxicology*, 6(2):31-33.
 58. S. Girijakumary and **P. A Nelson**, r. Smrithy and A. Bijukumar (2011). Ichthyofaunal diversity of Sasthamkotta Ramsar lake, Kerala, India. *J. Inland Fish. Soc. India*, 43(1) 96-102. (Short communication).

59. **Roy G. K.**, Malini N. A., Archana R. and Deepa R. (2011). Enzymatic changes in the kidney and brain of fresh water murrel, *Channa striatus* (Bloch) on short term exposure to sub-lethal concentration of lead nitrate. *Indian. J. Fish.*, 58(4) : 91 – 94
60. Malini N. A. and **Roy G. K.** (2011). The Prevalence of antisperm antibodies in various cases of female infertility. *Proc. Natn. Sem. Current concepts in immunology*, Pages, 52 – 56.
61. Archana R. and **Roy G. K.** (2011). Studies on altered immune function on insulin impaired fertility in female albino rats (*Rattus norvegicus*). *Proc. Natn. Sem. Current concepts in immunology*, Pages, 80 – 91
62. Shibija N. G. and **Roy G. K.** (2011). Studies on developmental effects and immune responses of monosodium glutamate (MSG) on pregnant female albino rats (*Rattus norvegicus*). *Proc. Natn. Sem. Current concepts in immunology*, Pages, 71 - 79.
63. Arathy A.R. and **Jinsu Varghese** (2011). Role of Antibacterial Peptides in Fish Immune System. *Proc. Natn. Sem. Current concepts in immunology*, Pages, 91-94.
64. **Roy G. K.**, Malini N. A. and Archana R. N. (2009). Bisphenol A induced effects on testes in adult male rats. *Indian. J. Environ. Toxicol.*, **19 (1)**: 20 – 23.
65. **Roy G. K.**, Malini N. A. and Archana R. N. (2009). Bisphenol A induced haematological changes in rats. *Indian. J. Environ. Toxicol.*, **19 (2)**: 70 – 73.
66. **A.K. Shinimol** and P.T. Cherian (2009). A New Tribe and a new Genus of Oscinellinae (Diptera : Chloropidae) from India. *Bombay Natural History Society*.
67. **Reena George**, Isha Desai and B. Suresh (2009) Description of the Tadpole of the Marbled Toad, *Bufo stomaticus* Lütken from Vadodara, India. *Cobra*
68. **Jinsu Varghese** and M. Haridas (2008). Fruit- Blend- Yoghurts generate more Antibacterial Peptides. *Asian Jr. Microbio. Biotech. Env. Sc.* 10, No (23): 269-271.
69. **A.K. Shinimol** and P.T. Cherian (2008). Generic placement and new synonymy in tribe fiebringellini (Diptera: Chloropidae: Oscinellinae) and description of a new species of heteroscinic lamb (Diptera: Chloropidae) from India. *Biosystematica* (2): 5-9
70. **George, R.**, Desai, I. and Suresh, B (2008). Absence of chytridiomycosis in the skin of amphibians collected from Vadodara

district of Gujarat. J. of Cell and Tissue Research, 8(3): Vol. 8(3) 1565-1569.

71. R.T. Shanthi, **Shirly Annie Oommen**, Annie Mathai, P.A. Fathima and A.A.Mohammed Hatha (2007). Characterisation of Pesticide Resistant Bacteria from the Agricultural Fields of Kothanellore, South India. Poll Res. 26(1): 1-4.
72. Girijakumari and **Nelson P. Abraham** (2007). Seasonal Analysis of Bacterial indicators in Sasthamkotta Ramsar lake, Kerala, India. J. Inland Fish.soc.India,43(1) 96-102.(short communication)
73. Girijakumari and **Nelson P. Abraham** (2007). Composition and distribution of phytoplankton in Sasasthamkotta Lake, Kollam. Indian Hydrobiology, 10(2): 377-380.
74. **Jinsu Varghese** and M. Haridas (2007).Prospects of Jackfruit blend Yoghurt Whey. World J. of Dairy and Food Sciences 2(1): 35-37.
75. **Reena George**, Isha Desai, B. Suresh and Y.M. Naik(2007). The Burrowing behavior of Sphaerotheca rolandae (Dubois, 1983) in an artificial enclosure. Cobra 1 (3): 17-19.
76. R.T. Santhi, **Shirly Annie Oommen**, Annie Mathai, P.A Fathima and A.A.Mohammed Hatha, Characterisation of Pesticide Resistant bacteria from the Agricultural fields of Kothanallor., South India, Poll Res :26(1) ,1-4 (2007)

Department of Economics

77. **Oommen Zachariah**, “Value Chain of Rubber Wood Industry in Kerala”: Asia Pacific journal of Research in business and management, Vol 2. Issue 6,June 2011, pp 77-86 (ISSN 2229-4104)
78. **Oommen Zachariah**, “Performance and Linkages of Rubber Wood Industry in Kerala”, Zenith International Journal of Multidisciplinary Research,1,(8) (2011), ISSN(2231-5780)
79. **Oommen Zachariah**,“Governance Structure, Upgrading and the Role of Institutions in the Value Chain of Rubber Wood Industry in Kerala”, International journal of Business Economics and marketing Research”, 2012, (ISSN-2248-4848).
80. **Oommen Zachariah**, “ The under utilized treasure of Kerala’s indigenous Technology”, A case study of Aranmula Metal Mirror”, Reyono Journal of Interdisciplinary studies, Vol1, ISSN 2277-7652.49.
81. **Jollyamma George, Merry Zachariah**, “ An Economic Evaluation of Thenmala Eco-Tourism Project in Kerala” Asian Journal of Business Economics and Management ,ISSN 2249-730

82. **Shaju K. John**, “ Water Pollution and its impact on rural health: A micro level study of River Pampa, Kerala, Journal of Professional development of Academics

Department of History

83. **George K. Alex**, Social Change in Kerala: Insights from Micro level studies, Review of Development and Change Vol. XV (1) 113-116 (2010) ISSN 0972-2661.

Department of English

84. **Anne Susan Koshy**, “ Sunithi Namjoshi’s ‘The Mothers of Maya Diip- A feminist Utopia’ ”, Research lines, Vol.IV (I-A) 2011, ISSN 0975-8941.
85. **Anne Susan Koshy**, “ The insecurity crisis of Woman as reflected in the poems of Kamala Das” , Sumangali, A journal of gender and heritage, Centre for women studies, Vol II(2), 2011, ISSN 2229-6336.
86. **Asha Susan Jacob**, “Mapping the Contested Terrain of Indian Literary Historiography.”European Academic Research 3.2 June 2014. ISSN 2286-4822
87. **Asha Susan Jacob**, “The Unwed Mothers of Wayanad: A Man-Nature Interface.” Indian Journal of World Literature and Culture.Vol. 9&10 July2013.ISSN 2229-7251.152-156.
88. **Asha Susan Jacob**“Chandu Menon’s Indulekha: The Harbinger of A Paradigm Shift.”Interactions Volume 2.1 (2013). ISSN 2277-3940
89. **Asha Susan Jacob**“Hyphenated Identity; Immigrant Mindscape in Bharati Mukherjee’s *Tiger’s Daughter*.”*Baraton Interdisciplinary Research Journal* 3.1(2013).ISSN 2079-4711.
90. **Asha Susan Jacob**“Fluid Identity: Bharati Mukherjee’sJasmine. The *Criterion: An International Journal in English*” 3.4, 2013.ISSN 097681653.
91. **Asha Susan Jacob**“Personal and Professional:The Dark Holds No Terrors,” *Interactions* Volume 1.2 (2012).
92. **Asha Susan Jacob**, “ K. Saraswathiamma: The forgotten pioneer of feminist Writing in Malayalam,”Malayalam Literary Survey, Kerala Sahithya Academi, 2010.

93. **Asha Susan Jacob**, “Voices of the silenced: A Reading of Shashi Deshpande’s novels. *Indian Journal Of Postcolonial Literatures*, ISSN 0974-7370, Dec 2009.
94. **Roshin George**, “ A Reading of Jayantha Mahapatra’s Life Signs,” *Rock Pebbles*, Vol XV (1) 2011.
95. **Roshin George**, “ Forsaken Roots, Acquired Sceptres,” *Research Lines*, Vol IV (1A), 2011.
96. **Roshin George**, “ Saving the Barbaric Orient,” *Research Scholar*, Vol I (Iia), 2011.
97. **Roshin George**, “Magic Realism as a Postcolonial Narrative Device,” *Indian Journal of Postcolonial Literatures*, Vol. 10, 2010.
98. **Roshin George**, “Guilt Redemption in *The Kite Runner*,” *Research Lines*, Vol. III (IvA), 2010.
99. **Roshin George**, “The More You Love the Less You Burn Away- Man – Woman Relationship in Ezekiel’s Poems” *Journal of Literatures in English*, Vol II (3), 2009.
100. **Tom Thomas**, “Orientalisms Within: Encountering Indian Subaltern Experiences.” *Altre Modernita* 8 (2012): 121-130. Web. [Italy. ISSN 2035-7680. DOI: 10.6092/2035-7680/2581]
101. **Tom Thomas**, “Edward Said and the Margins.” *Text Matters* 2 (2012): 155-168. Print. [Poland. ISSN 2083-2931(Print), ISSN 2084-574X (Online). DOI: 10.2478/v10231-012-0061-8]
102. **Lakshmi Sukumar**, “A Journey into the Worlds of Indulekha and Parangodi Parinayam.” *Journal of Humanities and Social Sciences*, September 2010.
103. **Lakshmi Sukumar**, “A Moment that Occurs but Rarely in History: Chandumenon’s Tryst with Destiny.” *New Frontier* No. 4 & 5 (2008).
104. **Lakshmi Sukumar**, “Capturing Women’s Voices from the Domestic Space: Feminism in the Works of Rajalakshmi.” *Samyuktha* 8.2, 2008.
105. **Siby John**, “A River’s Heart Pulsing in the Human Body: An Ecocritical Reading of Gita Mehta’s *A River Sutra*.” *Lux Montis*. Vol.2. No.1. Jan. 2014. (ISSN 2321-8053).
106. **Siby John**. “The Nature Mirroring the Self in Anita Desai’s *Fire on the Mountain*”. *Research Scholar*. Vol.3 No.4-A. Dec. 2013. (ISSN 2249-6696).

107. **Siby John.** “The Machine Muting the Music of the Earth: An Ecocritical Perspective of Tagore’s Mukta-Dhara”. *Baselius Researcher* . Vol.14. No.2. Jul-Dec. 2013. (ISSN 0975-8658).

Department of Malayalam

108. **Jaison Jose** “*Changampuzha* kavitha-Vaakkukalude SwathanthryaPrakhyapanam”, *Kavanakaumudi*, Vol-14,Issue-3,May-july 2012
109. **Jaison Jose** “*Pennum Pennavasthakalum kazhchappedalinte sookshma Bhavangal*”, *Vijnanakairali*, Vol-43, Issue-7, July 2012.
110. **Jaison Jose** “*Aadhunikathayum Vaasthusasthravum*”, *Explorations*, Vol-3, Issue-1, Jan 2012, ISSN 2229-4783
111. **Jaison Jose** “*Kruthi- Kaalam- Vaayana: Swathwaprathinidhaanathinte Raashtreeyam*”, *Research Scholar*, Vol-2, No-1/B, March 2012, ISSN 2249-6696.
112. **Jaison Jose:** “PuthiyaEzhthu, PuthiyaVayana” (Malayalam), *Research Journal* , Vol-4, Issue-2, May 2011 (ISSN -0974-1984)
113. **Jaison Jose**, “Malayala Sahithyaqvimarsanavum Utharadhunika Charchakalum”, (Malayalam), *Research Lines, Inter Disciplinary Research Journal*, Vol-3, Issue - 1, June 2010 (ISSN-0975-8941)
114. **Jaisan Jose** Basheerinte Kaivilangu-Bandhithante Swathantryam” (Malayalam) *Vijnana kairali* Vol-41, Issue - 5, May 2010
115. **Jaison Jose** “Vimarsanakanum ayanayile Sannigdhakalum” *KARNIVAL Research Journal* Vol-1, Issue-1, June 2007.
116. **Sneha George Pachayil** “C. Keshavanum Kozhencherry prasangavum, Sahithya Poshni, June 2010
117. **Sneha George Pachayil**, K.M. Mathewvinte Ettamathe Mothiram, SahityaPoshini, Sept 2010

Department of Commerce

118. **T. Varghese Panicker**, “Flow of credit to minority in Kerala”, *Southern Economist*, 48(1), 76-78, 2009. ISSN 0038-4046

119. **T. Varghese Panicker**, “Socio Economics problems of minority communities in India, Southern Economist, 50, 47-52, 2012.ISSN 0012.
120. **Varghese Antony**, “Growth of power sector in India”, Kegees journal of Social Science, 3, ISSN 0975-3622.
121. **Varghese Antony**, “Problems and prospects of power development in Kerala”, Global research Review, 1(1), 2011,ISSN 2250-2521.
122. **Varghese Antony**, “ Growth Trends of Demand and Supply side variables in Kerala Electricity systems-An Analysis”, Mirror Research journal of Commerce and Management& social science , Vol II(i), 2012, ISSN 2249-8117.
123. **Benson Kunjukunju**, “ Primary Agricultural Credit Societies in Kerala-Dynamic Present and Challenging Future” ,Review projector India, Coimbatore, VolII(3), 2008, ISSN 0970-1702.
124. **Benson Kunjukunju** “Impact of Financial Sector Reforms in Banking Services- A Study in Kerala”, The journal of World Intellectual Property Rights, Serial Publications, New Delhi, Vol 1& 3, 2007, ISSN 0973-3132.
125. **Benson Kunjukunju** Commercial Banks in New Age”, Review Projector India, Coimbatore, Vol 10 3) 2007, ISSN 0970-1702.
126. **Benson Kunjukunju**, “ Development Challenges Credit Disbursement by Commercial Banks in Kerala”, Review Projector India, Coimbatore, Vol 10 3) 2007, ISSN 0970-1702.
127. **Benson Kunjukunju**, Indian Banking industry- An analysis of growth and trends in profitability”, Management Research Review- Bangalore, Volume II, 2012, ISSN 2249-4359.
128. **Benson Kunjukunju**“ Indian Insurance Sector –Prospects and Challenges” Edu VisionInter Disciplinary Research Journal, S.N. College, Chengannoor, 2010.
129. **Benson KunjuKunju**, Globalisation and Privatisation of Indian Insurance Sector, COGNIZANCE, ST. Alberts College, Ernakulam, 2010
130. **Benson Kunjukunju**, “Impact of Kudumbasree on Women Empowerment”, Microfinance, Mar Athanasius College, Kothamangalam, 2009.
131. **Benson Kunjukunju**, “Securities markets in India- Trends and Progress”, Managing Future, BAM College, Thuruthikkad, 2008.

132. **Koshy George**, “Renewable Energy Sources and Conservation of Energy: Twin Planks of Sustainable initiatives in Kerala”, Research lines, 2010, ISSN 0975-8941.
133. **Koshy George**, “Counterfeting: The Menace and its Management banking Financial Services and Markets”, Emerging Paradigms, Cochin University, 2009, ISSN 978-93-80095.
134. **Koshy George**, “ Micro information Exchange” Macro Dynamics of Micro Finance, Pondicherry, 2010.
135. **Antony George**:Impact of globalisation and liberalization of policies on cottage industries in Kerala” Managing the future Vol 1 &2 ,2011, ISSN 0975-0045.
136. **Philip Varghese Porattoor** and George Thomas. P , Stock Marketing Efficiency –A test on week form efficiency in the Indian Stock Market”, Reyono, Vol. I (2) July, 2012.
137. **Jyothis.T**, “ Kerala as a Health Tourism Destination: SWOT Analysis”, South Asian journal of Socio Political Studies, Vol 9 (2), 2009.
138. **Leena.K. cherian**, “ Impact of leverage in profitability of selected cement companies in Tamilnadu”, Organisational management, Vol XXVII(2) ,2011, ISSN 0975-699.
139. **Leena K. Cherian**, “ Joint Liability Groups- “The Forerunners of Economic Progress” Global journal of Arts and Management”, Vol 2 (1), 2011, 2249-2658.
140. **Jyothis.T**, “Service quality in Health Tourism. An Evaluation of health Tourism Providers of Kerala (India) , South Asian Journal of Tourism Heritage, Vol2 (1) 77-82 (2009)
141. S. Mohanan and **Philip Varghese Porattoor**, Productivity in Public Sector Undertaking : The Indian Scenario, International journal of Indian Culture and Business Management, Vol 2(6) 602-624, 2009.
142. **Antony George**, “Environmental Accounting in Indian Context”, Indian Journal of Commerce, 86(3), 32-59 (2011).

Department of Physical Education

143. **Sindhu R.S**, “Evaluation Criteria for individual and team performance in Basket ball” Research lines, Vol II,(2), 2009.

Monographs

1. Two monographs, Department of English, NOESIS, VI.I, 2011, Vol II, 2012.

Chapter in Books.

1. **Viju Susan Mathews**, Department of Chemistry, “ Polymer Processing Technology” Asian Books Pvt Ltd, New Delhi,(2008) ISBN 81-8412-051-6
2. **Anne Susan Koshy** , ‘The Creative Non-victim in Shashi Deshpande *The Dark Holds No Terrors*’ Indian Literary Historiography and Counter Currents in Postcoloniality. Ed.Dr.Asha Susan Jacob & Mr. Tom Thomas. Publishers: PG Dept of English, St. Thomas College, Kozhencherry. ISBN: 978-81-7821-436-8.
3. **Asha Susan Jacob**, Narrating Tribal Entity:Mavelimantam, Kocharethy and Ooralikkudi: Voice and memory :Indigenous imagination and expression, G.N Devy, Geoffery, V.Davis, K.K. Chakravarthy (Eds): New Delhi: Orient Blackswan, (2011), 291-299: (ISBN 978-81-250-4222-8).
4. **Asha Susan Jacob**, “Politics of Writing the Self: Personal Narratives from Kerala.” Indian Literary Historiography and Counter Currents in Postcoloniality. Eds. Dr.Asha Susan Jacob & Mr. Tom Thomas. Publishers: PG Dept of English, St. Thomas College, Kozhencherry. ISBN: 978-81-7821-436-8.
5. **Asha Susan Jacob**, “Voices of the Silenced: A Reading of Shashi Deshpande’s Novels.” Critical Studies on Contemporary Indian English Women Writers(Ed). New Delhi: Sarup, 2010.
6. **Elizabeth John**, “Betwixt Fact and Fiction: G. Kalyana Rao’s *Untouchable Spring*.” Indian Literary Historiography and Counter Currents in Postcoloniality. Asha Susan Jacob and Tom Thomas (Eds). Kozhencherry: Department of English, St. Thomas College.2012. Print. (ISBN 978-81-7821-436-8)
7. **Dr. Roshin George**, “Shadowed or Luminous” Basiya Rajesh (Ed) Jaipur: Prison Books, 2011
8. **Dr. Roshin George**, “De- or Re- Colonisation? Kamala Markandaya’s Pleasure City as a Postcolonial Novel.” Postcolonial Readings in Indo Anglian Literature.(Ed).K V Dominic. Delhi : Author’s Press, 2009.
9. **Dr. George K. Alex**, “Peace Building: Ecumenical and Ecclesiastical Perspective”, Decoding Mission Beyond Edinburgh: Revisiting Mission and Ecumenism Today, (Ed). Dr. M.C.Thomas, Thiruvalls, CSS Books, 2009. Pp.131-143. Print. (ISBN 978-81-7821-324-8).
10. **Tom Thomas**, “Contours of Indian Literary Historiography.” Indian Literary Historiography and Counter Currents in Postcoloniality. Asha Susan Jacob and Tom Thomas (Eds). Kozhencherry: Department of

- English, St. Thomas College, 2012. 339- 346. Print. (ISBN 978-81-7821-436-8)
11. **Febu George Mathai Kurichiyath**, “Contrapuntal Transgressions of the Body: Kamala Das in My Story”. De-stereotyping Indian Body and Desire. Ed. Dr. Kaustav Chakraborty. Cambridge Scholars Publishing, UK. 2013. 95-104. ISBN (10): 1-4438-5253-8, (ISBN (13): 978-1-4438-5253-1).
 12. **Nelson P. Abraham**. Eco-fraternity of Kurum(b)a Tribes in Wayanad, Kerala. In *Knowing Differently: The cognitive Challenges of the Indigenous* (Eds) G.N. Devy, Geoffrey V. Davis, K.K. Chakravarthy, Routledge, New Delhi and Simultaneously published Routledge, Oxon, U.K. (2014)
 13. **Roy George K.** - Gene to genome, Zoological Society of Kerala, Kottayam, Kerala
 14. **Jinsu Varghese** - Gene to genome, Zoological Society of Kerala, Kottayam, Kerala
 15. **Moncy V. John** “Quantum Bhothikata, DC Books, Kottayam (2011)

Books Edited.

1. **K. Danielkutty**, “ Proceedings of the National Workshop on Taxonomy, Culture and Industrial Application of Algae”, St. Thomas College, Kozhencherry, 2007
2. **Saji Chacko**, “Pathanamthitta Jilla Samskarika Directory”, Pathanamthitta District Panchayat, (2012).
3. **George K. Alex**, *Writing in The Dark* (Language: English, edited work, VAK, Mumbai, 2008).
4. **Asha Susan Jacob and Tom Thomas**: *Indian Literary Historiography and Counter Currents in Postcoloniality*, 2012 (ISBN 978-81-7821-436-80).
5. **Tom Thomas and K. M. Krishnan**, *Social Roots of Literature*. Kottayam: MG University and DC Books, 2009. (ISBN 978-81-264-2393-4)
6. **Nelson P. Abraham** - *Water Conservation and Management: An Ecological Approach* 2010.
7. **Jinsu Varghese** - Gene to genome, Zoological Society of Kerala, Kottayam, Kerala

Books with ISBN/ISSN numbers with details of publishers

1. **Moncy V. John**, Prapanchakkazhakal, D.C. Books, Kottayam (2008).
2. **Jasy Thomas**- Handbook on Mushrooms, Department of Botany (2011)
3. **Nelson P. Abraham**: Biodiversity-Scope and Challenges , Green Leaf Publications, Kottayam (2010)
4. **Nelson P. Abraham**: Perspective in Biology, Green Leaf publications, Kottayam (2009)
Nelson P. Abraham, Environmental Biology, Toxicology and Disaster Management Green Leaf publications, Kottayam (2011), ISBN-978-81-92026930
5. **George K. Alex** , Women and Nature in the Age of Globalization (Translation. Lang. Mal) , Fabian Books, Alleppy (2007) , ISBN 818733-353-7
6. **George K. Alex** , United Nations: Its Genesis and Transformation (Lang. English),, first published in 2007, second edition 2008 ISBN 81-262-0127-4, third edition 2011, ISBN 81-262-0623-3 , English edition 2011).
7. **George K. Alex** , Education for the Fullness of Life (Lang. Mal), C.S.S publishers, Thiruvalla, first published in 2008, second edition 2011 ISBN 978-81-7821-401-6.
8. **George K. Alex** and **Elizabeth John**, Re-inventing Identity (Language: English, coauthored , VAK, Mumbai, 2008).
9. **Jaison Jose**, Vimarsanakalayile Moonam Cheri (Lang-Malayalam), (Literary Criticism), Rainbow Book Publishers, Chenganoor, January – 2007
10. **Jaison Jose** (Malayalam) Praacheena Madhyakaala Kavitha (Lang – Malayalam), Publication wing(SDE) Kannur University , 2013
11. **Jaison Jose** (Malayalam) Malayala Niroopanathinte Vikasavazhikal (Lang – Malayalam) (Essays), Surya Publications Nooranad, October – 2008
12. **Jaison Jose**, M.N. Vijayan: Chithayde Artham (Lang-Malayalam) Samvedanam publications, Thodupuzha - October – 2008
13. **Sheena Eapen**, The creative world of Mannu Bhandari (Lang-Hindi) Jawahar Pusthkalaya, U.P (2007) ISBN-81-8111-039-0-2007.
14. **Sheena Eapen**, The destiny of Indian women in Krishna Sobti and Sara Joseph's Fiction, (Lang-Hindi) 2010, ISBN -978-81-8111-177-7-2010.

15. **Sheena Eapen**, PrayoganmoolakHindiKeVikas Mein Anuvad Ki Bhoomoika: Soochana Praudyoki, Vanijya, janasanchar EvamPrassan KeVishehSanmdarbh Mein, VDM Verlag, (2011) , ISBN -978-3-639-36403-3.
16. **Sheena Eapen**, SahityaDarpan, M.G. University (2011), ISBN -978-93-80419-22-0.
17. **Sheena Eapen**,Sahitya Manjusha, M.G. University (2010).
18. **Anne Susan Koshy**, The Short Fiction of Angela Carter, Margaret Atwood and SunitiNamjioshi: A Sutudy in Feminism and Fairy tales, (English Literature), VDM Verlag Dr. Müller(Pub)(2010), •ISBN-10: 3639260082 , ISBN-13: 978-3639260083.
19. **Benson Kunjukunju and S. Mohanan**, Financial Institutions and Services, Kalyani Publishers, New Delhi (2011), ISBN -978-81-272-6737-7.
20. **Benson Kunjukunju**, Financial markets, Kalyani Publishers,2010,ISBN 978-81-7708-150-3.
21. **Benson Kunjukunju**, Financial Markets, Kalyani Publishers, 2011, ISBN 978-81-272-5877-1.
22. **Benson Kunjukunju**, Financial System and Institution in India, New century Publications, New Delhi, 2012, ISBN 978-81-7708-314-9.
23. **Benson Kunjukunju**, Financial Markets and Financial Services in India, New Century publications, New Delhi,2012,ISBN 978-81-7708-316-3.
24. **Benson Kunjukunju**,Intellectual Property Rights in WTO and Developing Countries, Serials Publications, New Delhi, 2010, ISBN 978-81-8387-260-7.
25. **Benson Kunjukunju**,WTO and Indian Economic Reforms “, Serials Publications, New Delhi, 2008, ISBN 978-81-8387-149-5.
26. **Benson Kunjukunju**, Service Sector and Globalization “, Serials Publication, New Delhi, 2008, ISBN 978-81-8387-140-2.
27. **Leena K. Cherian**, Role of Microfinance in Economic Development, Anugraham Publications, Chennai, 2009, ISBN 978-81-9077339-3.
28. **Leena K. Cherian**, Role of Microfinance Institutions in Financial Inclusion, NCRC Publications, Coimbatore, 2011, ISBN 978-81-909150-7-6.
29. **Leena K. Cherian**, Role of Microfinance Institutions in Rural marketing, Sri Maruthi Publications, Chennai, 2011, ISBN 978-93-80812-06-9.

30. **Leena K. Cherian**, The Government Regulatory Bodies . The Sine Qua Non of Business Education, Allied Publishers Pvt Ltd, New Delhi, 2010.

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

- Ninan Sajeeth Philip was awarded IUCAA Senior Research Associateship for the fourth term.
- Asha Susan Jacob: Selected for Associateship of the UGC Inter University Centre for Humanities and Social Sciences at the Indian Institute of Advanced Studies, Shimla.

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

The following faculties received recognition from professional bodies.

Sl.No	Name of Faculty	Department	Recognition Received
1	Dr. K. Danielkutty	Botany	Chapter Secretary Award-OISCA International
2	Dr. Sheena Eapen	Hindi	SBT & Kerala Hindi Sahitya Academy Award for Research.
3	Dr. Jasy Thomas	Botany	Air India-BOLT runner up award
4	Dr. Shaji Varghese	Physics	Best Teacher Award
5	Dr. George K. Alex	History	MG University Political Science Mentor.
6	Dr. Nelson P. Abraham,	Zoology	External Mentor, BJM Govt. College, Chavara.
7	Dr. Antony George	Commerce	Best Business Academic Year Award by Commerce Association and Pondicherry University.

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

Dr. Joseph John and Dr. Nelson. P.Abraham, Department of Zoology, Dr. Thomas John, Department of Botany, and Dr. Philip Varghese Porattoor, Department of commerce received incentives from the College Management on the Commemoration Day of the college in 2012 June for producing Ph.Ds

3.5 Consultancy

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

The institution deals with basic academic research. Our research centers are not equipped for technical research and development. Industry visits are done as part of field visits, industry visits and project preparations from various departments.

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

The stated policy of the institution permits the faculty to come into an agreement directly with the industry/institution that needs consultancy free of cost. The institution also publicizes its expertise through (i) Teachers portal, M.G university, Kottayam (ii). the websites of research organizations such as IUCCA, OISCA International, CPCRI, Kayamkulam, TIES, Kottayam, ERRC, Trivandrum.

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

By providing all necessary facilities of the college and providing facilities for inter institutional initiatives.

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

The broad areas of consultancy are;

- (i) Machine learning
- (ii) Computer aided resource management and electronic instrumentation.
- (iii) Setting up parallel computing systems, as Co-PIs in Virtual Observatory India project and VO-South African Large Telescope Project.
- (iv) Pollution Analysis
- (v) Mushroom growing
- (vi) Tissue culture

Major consultancy services provided from 2008-14

- (i). Department of Physics provided Consultancy service to IUCCA in setting up parallel computing systems, as Co-PIs in Virtual Observatory India project and VO-South African Large Telescope Project. Dr. Ninan Sajith Philip served as the expert.
- (ii). Department of Botany has consultancy service with (a) Kozhencherry Gramma Panchayat in conducting training programmes in mushroom

growing. Dr. Jasy Thomas, is serving as the expert . (b). Peoples Panel (a social forum) in Kozhencherry studied heavy metal pollution of Pampa river. Dr. Thomas .P. Thomas is serving as the expert. (c). Tissue culture in Krishi Vigyan Kendra, Thelliyoor. Dr. Elizabeth Thomas is serving as the expert.

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 policy of the institution is to offer consultancy service free of cost to the public and other institutions.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

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

The institution promotes college-neighbourhood network in which students acquire attitude for service and training for community development by implementing programmes in association with:

- (i) governmental and non-governmental organizations, (ii) subject association activities, (iii). Consultancy,(iv) NSS, (v) NCC.
- (i) Botany department has initiated a programme on mushroom cultivation in association with Kozhencherry Panchayat.
- (ii) Department of Zoology has developed a Public Facility Laboratory accredited as Type B Lab by Kerala Pollution Control Board. The students and faculty are given training for analysis contributing to community development.
- (iii) The motor vehicle department trained NCC cadets for traffic control. The students trained are deployed for controlling traffic at Kozhencherry town. These students are also used for controlling traffic on special occasions such as Maramon Convention and Cherukolpuzha Hindumatha Convention.
- (iv) Training to NSS volunteers by social forestry department helps the community to plant trees during the time of Vanamahotsava. The students acquiring training to plant trees and attitude for service through the programme benefit the community to propagate the idea of the importance of conserving environment. (v) Special training is given by Krishi Vigyan Kendra for coconut tree climbing using mechanical devices. Remedial measures for coconut tree maintenance are also done. (vi) Training in solid cement (solid block) bricks manufacturing is given to students. (vii) Training for Organic farming is given by KVK, Thelliyoor which is transferred to the community through community

development activities by NSS. (viii) Special camps and regular activities of NSS are means of interacting with the community.

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

NCC and NSS play a major role in tracking students' involvement in social movements. NSS advisory board monitors the activities of the NSS. Various associations and clubs functioning inside the college campus contribute to the student's involvement in social activities which promote citizenship roles. (i) Subject Associations (ii) College Students Union (iii) Blood Donation Forum (iv) Adventure club (v). Nature Club (vi). Women's Studies Centre, (vii) Women's Cell (viii) and Tourism Club mould the students to shoulder responsibilities with commitment and dedication.

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

The institution solicits stakeholder perception on the overall performance and quality of the institution through feedback mechanism that operates through feed back from outgoing students, alumni through alumni associations, parents through PTA meetings, and from teachers and students.

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 institution promotes the participation of students and faculty in extension activities through various organizations functioning on the campus. The important organizations functioning in the college are NCC and NSS. Important outreach programmes for the last five years are

Extension activities of NSS

- Celebrating Vanamahotsava in association with the Social Forestry Department. The volunteers and programme officers of the college NSS unit distribute tree saplings received from Social Forestry Department to the public.
- The unit had conducted a wide campaign on Chikungunia and other communicable diseases in association with primary health centers.
- A reading room was newly introduced in the adopted village
- Provided newspaper facility to Edappariyaram SNDP High School.

- Food and clothes were distributed to the inmates of ‘Snehadhara ‘a rehabilitation centre for mentally disturbed people at Chengannur on 01/01/2008.
- The college unit organized anti-drug rally on Gandhi Jayanthi day of 2008.
- The unit in association with the local self-government cleaned community road.
- December 1st was observed as the world AID’s day. AID’s awareness rally was organized by the unit in association with various organizations such as YMCA, Public health department .
- Active participation in Pulse Polio Programme organized by the Public health department.
- Maintenance of badly damaged roads at Thelliyoor during the ten-day special camp.
- Prepared a list of blood donors that facilitates easy blood donation to the needy.
- A project was initiated to help poor students to build new houses or renovate their existing houses.
- A project was initiated to make a vegetable garden in the college and MTHS, Kuriannor.
- Concreted a road at Kuriannoor.
- Renovation of fresh water resources (stream and pond) at Thottapuzhaseery Grama Panchayat
- Sabarimala Cleaning campaign

The Budgetary Allocation and Utilisation of funds for various activities of NSS is given below:

Year	Head	Budgetary AllocationRs.	Utilisation Rs.
2013-14	Regular Activities	45,000	45,000
	Special camping	40,000	40,000
2012-13	Regular Activities	45,000	45,000
	Special camping	40,000	40,000

2011-12	Regular Activities	45,000	45,000
	Special camping	40,000	40,000
2010-11	Regular Activities	45,000	45,000
	Special camping	40,000	40,000
2009-10	Regular Activities	45,000	45,000
	Special camping	40,000	40,000

Extension activities of NCC

- Organization of blood donation camps and motivating students for blood donations.
- Participation of NCC cadets in the traffic control of Kozhencherry town and allied junctions of Kozhencherry town.
- Cleaning of Kozhencherry town and market on Gandhi Jayanthi day of 2nd October every year.

The Budgetary Allocation and Utilisation of funds for various activities of NCC is given below:

Year	Head	Budgetary Allocation Rs.	Utilisation Rs.
2013-14	Refreshment	11,0000	
	Honorarium	12,000	
	Washing allowance		
	Outfit allowance	450	
2012-13	Refreshment	11,0000	104826
	Honorarium	12,000	12000
	Washing allowance		
	Outfit allowance	450	450

2011-12	Refreshment	25000	23808
	Honorarium	12000	12000
	Washing allowance	6000	5865
	Outfit allowance	450	450
2010-11	Refreshment	20000	18660
	Honorarium	12000	12000
	Washing allowance	5000	4505
	Outfit allowance	480	480
2009-10	Refreshment	25000	20268
	Honorarium	12000	12000
	Washing allowance	5000	4560
	Outfit allowance	480	480

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 vision statement and one of the mission statements are focused on community related studies and extension programmes beneficial to the community. Periodic orientation given to students ensuring their involvement in co-curricular and extension activities enable their holistic development. All the staff and the students generously contribute to the extension activities.

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?

Initiatives are taken by the teachers of the institution to ensure social justice and empower students from underprivileged and vulnerable sections of the society. The students are selected through personal counseling and mentoring. The following programmes initiated by the college promote social equity and empowerment: (i) Listeners Camp (ii). Noon Meal Programme instituted by the faculty and PTA (iii). Equal Opportunity Cell (iv). PSC Coaching (v). NET Coaching

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

The extension activities are planned with the objective of empowering students. NCC and NSS train the students to move through the mainstream of the society, attain confidence in academic learning, develop interpersonal skills and empathy.

The Listeners Camp at Charalkunnu helped the students to share their difficulties ensuing from disadvantageous environments and the reason for their indifference in the institution to the camp directors. Participation in the camp altered their attitudes and helped them focus on their studies.

The noon meal programme found a way to extend a helping hand to the students deserving noon meals. This programme inculcated a moral thinking among students about Institutions Social Responsibility.

PSC coaching centre in the college helped the students to sharpen their skills in academic learning and employability and provided training for writing PSC and other examinations.

NET coaching centre led provided opportunities to a large number of students, especially of the underprivileged to appear for the NET examination.

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 institution ensures the involvement of community in its reachout programmes organised by the NSS. During special camping programme, a local committee including the MLA, member of Panchayath, Grama Panchayat President, Member of Block and District Panchayat and members from local community is constituted. This committee takes initiative of the community development programmes.

- (i). The seven day special camping programme of NSS is held every year to undertake community development programmes in the month of December.
- (ii) Vanamahotsava is celebrated every year in association with the social forestry department and distribute tree saplings.
- (iii). Conducted a wide campaign on 'Chikungunia' and other communicable diseases in association with primary health centers.
- (iv). A reading room was newly introduced adopted village at Kurangumala.
- (vi). Food and clothes were distributed to the inmates of 'Snehadhara' a rehabilitation centre for mentally disturbed people at Chengannur

- (vii). The college unit organized anti-drug rally on GandhJayanthi day.
 - (viii). December 1st is observed as the world AID's day. AID's awareness rally is organized by the college in association with various organizations such as YMCA, Public health department.
 - (ix). Active participation in Pulse Polio Programme organized by the Public health department.
 - (x). Prepared a list of blood donors and blood donation service is available to the needy.
 - (xi). A Home for the Homeless project was initiated to help poor students to build new houses or renovate their existing houses with the help of College Community and local people.
 - (xii). A project was initiated to make a vegetable garden in the college.
 - (xiii). Department of English started a course in Communicative English at CMS UPS, Punnackadu.
- 3.6.9. Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

The institution has constructive relations with other institutions of the locality for working on various outreach extension activities. The institution is working in cooperation with

- (i) District Industry Centre (DIC). Onam celebrations were conducted in cooperation with DIC.
- (ii) Legal Literacy Cell, Pathanamthitta. Conducted Legal Literacy Awareness seminar, Anti Ragging seminar and programmes on World Environment Day,
- (iii) Krishi Vijnan Kendra, Thelliyoor. Organized programmes on Tissue Culture
- (iv) Muthoot Medical Centre, Kozhencherri, for blood group identification.
- (v) CMS LPS, Punnackadu for Communicative English programme.

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.

- **Rajamudra** by Travancore Royal family.
- Third Position for NSS unit under M.G University.
- Best Principal Award instituted by NSS, M.G University.
- Best Programme Officer of NSS Programme Officers in MG University.
- Best Volunteer, of NSS volunteers in MG University.

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.

The institution has not gone much way in the field of collaboration with other institutions. The departments of the institution take initiative to collaborate with research laboratories, institutes and industry.

Department of Physics . Dr. Ninan Sajeeth, Philip Associate member of IUCAA.

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 institution has collaborative arrangements with other institutions for research. The faculties of following departments have collaborative arrangements with the following institutions for research.

(i). Dr. Asha Susan Jacob, Department of English:

- Research collaboration with Post Graduate and Research department of English , SB College, Changanacherry affiliated to Mahatma Gandhi University as a research guide of the centre.
- Associate, UGC Inter-University Centre for Humanities and social Sciences, at The Indian Institute of Advanced studies, Shimla

(ii). Dr. Sheena Eapen, Department of Hindi

- Collaborative research with St. Thomas College Palai.

(iii). Dr. Ninan Sajeeth Philip, Department of Physics

- Collaborative Research with IUCAA funding from DST of 122 Lakhs from DST.

(iv). Dr. Thomas John, Department of Botany

- Collaborative Research with ERRC, Thiruvananthapuram
- (v). MOU with Tropical Institute of Ecological Sciences (TIES) for energy audit of the institution
- (vi). Add-on course in MLT - Collaborative arrangement with Poyanil Hospital, Kozhencherry and Fellowship Hospital, Kumbanadu
- (vii). Collaborative arrangement with Press Club, Pathanamthitta for Journalism course.

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.

Creation of academic facilities

- (i). Department of Physics, Computer Science neural network in collaboration with IUCCA
- (ii). Mushroom cultivation in collaboration with Kozhencherry Grama Panchayat
- (iii). Tissue culture in collaboration with Krishi Vygjan Kendra, Thelliyoor.

Creation of Infrastructure facility

A Public Facility Laboratory accredited as Type B was set up in consultancy with Kerala State Pollution Control Board for pollution analysis.

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.

During the post accreditation period, the departments of the institution organized various national and regional conferences with the financial support of UGC and other agencies. Eminent scientists and researchers contributed to the events by delivering talks and presenting their research papers. The conferences both national and regional organized by the institution and the names of eminent personalities contributed to the event are mentioned below:

Name of the Department		
Department of English		
Title of the Programmes	Dates	Eminent Scientists/ Resource Persons attended
UGC sponsored National Seminar on Indian Literary Historiography and Counter Currents in Postcoloniality	27 and 28 September 2011	Prof. G.N Devy, DAIICT, Gujarat.; Dr. Susie Tharu, EFLU, Hydrebad.; Ms. Mini Krishnan, OUP, Chennai.

UGC sponsored National Seminar on Event, Memory and Literature: Trauma Narratives of the Indian Subcontinent	5 and 6 September 2013	Dr. Pramod K. Nayar, Uty. Hyderabad; Dr. K. M. Krishnan, MG Uty; Dr. Meena T. Pillai, Institute of English, Uty. Kerala, Dr. Rita Kothari, Bhupen and Smriti Shah Chair, IIT, Ahmedabad, Gujarat.
Department of Hindi		
UGC sponsored National Seminar on “ Changing Dimensions of Hindi in the Information Technology”	4 and 5 August 2011	Dr. Kumud Sharma, Professor, Delhi University. Dr. Ravi Ranjan, Ho D of Hindi, Central University, Hyderabad., Dr. T.K. Narayana Pillai, Former Director, Central Hindi Institute, Hydrebad., Dr. Sethunah.S, University of Calicut., Prof. M.S. Jayamohan, Secretary, Hindi Vidyapeeth, Thiruvananthapuram.
Department of Mathematics		
UGC sponsored National Seminar on “ Recent Trends in Discrete Mathematics and Applications”	11 to 13 August 2011.	Dr. P. Veeramani, IIT Madras Dr. M.N. Namboothiri, CUSAT
Department of Physics		
Workshop on Research in Astronomy Opportunities and Challenges	12 to 14 August 2013	Ajith Kambave, IUCAA, Pune

Department of Chemistry		
Seminar on “Structural prediction on Organometallic compounds and Isolobal Analogy”	16 December, 2011	Prof. M. Padmanabhan, Member of faculty of Indian Institute of Science and Technology, Thiruvananthapuram
Department of Botany		
Seminar on “Modern Trends of Molecular Biology”	12 to 14 June 2013	Dr. Sheena Shukkoor, PVC, MG University. Dr. K. Jayachanbran, Scool of Biosciences, MG Uty. Dr. Linu Mathew, MG Uty.
Department of Zoology		
DST sponsored National Seminar on “ Environmental Degradation of Pampa River- Causes, Consequences and Management Strategies.”	17 to 18 October 2008	Dr. A.P. Thomas, Director (Retd), School of Environmental Sciences, M.G. University, Kottayam. Prof. T.N. Ramakrishnan, Birla Institute, Pilani. Dr. K.G. Padmakumar, ARS, Kumarakom. Dr.A. Bijukumar, Prof. and Head, Department of Aquatic Bilogy and Fisheries, University of Kerala, Trivandrum. Dr.B. Padmakumar, Associate Professor, Medical College, Alappuzha.
UGC sponsored National Seminar on “Current Concepts in Immunology”	18 and 19 August 2011.	Dr.E. Sreekumar, Scientist, R.G. C for Biotechnology, Thiruvanthapuram. Dr. Sabareeswran, SCTIMST, TVM .

		<p>Dr. SudrashLal, NCBS, Bangalore.</p> <p>Dr. Binu Ramesh, CFI, Madhurai.</p> <p>Dr.K. Girish, P.G Dept. of Microbiology, Maharanis College, Mysore.</p>
Department of Economics		
UGC sponsored National Seminar on “ Public Private Partnership in Health Care”	25 and 26 August 2011.	<p>Dr.V. Ramankutty, Achutha Menon Centre of Health Sciences and Studies, Thiruvanthapuram.</p> <p>Sri. P.C. John, Planning Board Member.</p> <p>Dr. Muraleedharan.S., Retd Prof. Maharajas College, Ernakulam.</p> <p>Mr.Arun B., Consultant, Ministry of Health, New Delhi.</p> <p>Dr. Martin Patrik, Maharajas College, EKM.</p> <p>Dr. VikashVarma, Associate Professor, KKTM Govt. College, Kodungalloor.</p>
Centre for Women’s Studies		
UGC sponsored National Seminar on ‘ Women and Stress in the 21 st century’	11 and 12 March 2014	<p>Smt. Padma Ramachandran IAS (retd).</p> <p>Dr. Manimekhalai, Director, Centre for Women Studies, Bharathidasan University, Trichy</p> <p>Dr. Rajee Sugumar, HoD, P.G and Research Department of Psychology, Govt. College for Women, Podicherry</p>

		Dr. Molly Kuruvilla, Director, Centre for Women Studies, Calicut University Dr. Raseena Padma, Director, School of Behavioural Studies, M.G. university.
Department of Commerce		
UGC sponsored national seminar on Maximising Corporate Social Responsibility in Indian Perspective	13 th and 14 th March, 2014	Dr. G. Ganesan, Director, School of Commerce and Management, Bharathiar University, Coimbatore. Dr. George Alexander Muthoot, MD, Muthoot Finance. Sri. V.E. Joskutty, Deputy Registrar of Companies, Kerala. Prof. Dr. P.K. Velayudhan, Director, Collegiate Education, Govt. of Kerala.

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

Faculty exchange and professional development Research

Ninan Sajeeth Philip:

1. Indo-South African Bilateral Project on Multi wavelength Astronomy with Virtual Observatory
2. Indo-US Center For Astronomical Object And Feature Characterization And Classification IUSSTF, DST (bilateral)

Arun Kumar A:

1. Visit to California University of technology under INDO-US Bilateral Project from 31st May to July 1st, 2013.

2. Visit to IUCAA, Pune as part of Indo-US joint center project from September 4th to October 5th, 2013 and February 5th to March 29th, 2014.

Sheelu Abraham:

1. Visit to California University of technology under INDO-US Bilateral Project from 31st May to July 1st, 2013.

2. Visit to IUCAA, Pune as part of Indo-US joint center project from September 4th to October 5th, 2013 and February 5th to March 29th, 2014.

Extension Activities

Course in Communicative English by providing learning materials and arranging classes at the CMS UPS, Punnakkadu by the Department of English

Adoption of 'Kurangumala' village colony by providing newspaper, educational programmes, agricultural practices.

Publication

Registrar of Newspaper of India, New Delhi in connection with REYONO Journal of Interdisciplinary Studies

Introduction of new courses

Government of Kerala, MG University, UGC for Add-on Courses

Student exchange:

Training for Students in Electronics, at IUCCA, Pune.

Any other:

1. Tropical Institute of Ecological Sciences, Kottayam for energy audit, Water audit etc.
2. United India Insurance Company for insuring students.

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 Management of the institution is judiciously selective and takes decisions in tune with the changing needs of higher education. The institution has a transparent mechanism administered through the Governing Council, IQAC, Planning Board and Staff Council, each with sufficient representation of teaching faculty. These committees and the Management put forward necessary proposals for infrastructure development for meeting the needs of teaching and learning. The institution utilizes maximum funds from agencies like the UGC, DST, FIST, SCSTE, Alumni, PTA, and from the Staff Members. The Management judiciously allocates funds for the development of all Departments.

4.1.2. Detail the facilities available for

A. Curricular and co-curricular activities:

Classrooms and technology enabled spaces

The College has 61 well-furnished classrooms. Natural lighting is available in all the rooms. Rooms are kept neat and tidy. Computers with internet facility, LCD projectors etc. are provided to all Departments for ICT enabled learning. The English Language Lab, Common Computer facility lab, Digital Theatre, Departmental computer labs and e-learning facilities are other technology enabled learning spaces which are used by almost all the students of the college.

Seminar Halls

Most of the Departments have furnished seminar halls with podium, public address system, white board, OHPS, LED or LCD projectors and computers. The multipurpose Dhyanakendram and the modernised A/C conference hall (Dr. Juhanon Mar Thoma Hall) are also used as seminar halls.

Tutorial Spaces

During tutorial sessions, students are divided into convenient groups with a minimum of 15 students in each group. Space for tutorials is provided in classrooms, the auditorium, open spaces and seminar halls. The tutorial activity is being conducted very effectively and regularly in the college since 1995.

Laboratories

In addition to classrooms, adequate laboratory facilities are provided to all Science Departments. The laboratories are well equipped to meet the requirements of the changed curriculum of the University. The Microbiology Lab in the Department of Zoology, Tissue Culture Lab in the Department of Botany and the laboratories of Physics and Chemistry are equipped with modern instruments and facilities over and above the UG and PG labs. Enhanced facilities have been provided to these labs using DST/FIST grants. The College Management is very supportive in providing the needs of the Departments. Apart from the Science labs the institution has developed well equipped computer labs in the Departments of Physics, Commerce, Mathematics, English, Zoology and Botany. The Language Lab in the Department of English and the cluster computer lab in the Department of Physics provide great services to the college community. The Department of Computer Science under the self-financing stream is equipped with sufficient number of computers in their laboratory. A Public Facility Lab, accredited as Type B Lab by the Kerala State Pollution Control Board, is available for soil and water quality tests. The Common Computer Lab is the IT hub of the college.

Botanical Garden

Along with the existing botanical garden consisting of 150 plant species, a medicinal garden with about 100 species of medicinal plants is nurtured on the campus by the Department of Botany. Facilitated with a grant from the Kerala State Medicinal Plant Board, the Department has improved the existing medicinal garden to a District Medicinal Plant Demonstration Garden.

Animal House

The Department of Zoology has an animal house. The laboratory specimens for research are reared herein.

Specialized facility and equipments for teaching, learning and research

Under the UGC - NRC Scheme the UGC has approved the college as a Network Resource Centre and provided funds for the procurement of computers and multimedia materials. The NME- ICT (National Mission on Education through ICT) funded by the Government of India is a project whereby all the institutions of higher education are mutually connected and seamlessly integrated with the National Knowledge Network. This facility is provided in all Departments, library and the administrative section of the college. Through this networking scheme, the institution has become a prime inexhaustible and exhaustive knowledge centre, having direct nationwide connectivity to learning resources. The INFLIBNET - NLIST Project (National Library and Information Services Infrastructure for Scholarly Content) is funded by MHRD and enables access to more than 3000 e-journals and over 75000 e-books. The Departments of Physics, Commerce, Zoology, Botany and Chemistry are recognized as Research Centres. Facilities for

pursuing full-time and part-time research are provided in the respective Departments. Departments of Mathematics, Physics and Zoology have academic tie-up with Kerala Mathematical Association, IUCAA, Pune, Tropical Institute of Ecological Science, Kottayam, School of Environmental Science, MG University and Inland Fisheries Research Centre, Pannivelichira respectively. These are some additional facilities provided for promoting the ambience for research and culture in the institution.

B. Extra-curricular Activities

A spacious auditorium for conducting cultural activities, seminar halls in the Departments, Health Centre and Counselling Centre, Students' Centre, modernized Conference Hall, Career Guidance and Placement Centre and Office rooms for NSS, NCC, Centre for Women's Studies and Women's Cell are available on the campus. A Health and Fitness Centre has been installed in the college premises. A section for practicing yoga is accommodated herein. The Fitness Centre is open to the entire college community. Subject oriented talks, awareness programmes, training programmes, seminars and workshops are organized by various organizations and clubs using these facilities. The college campus encompasses a stadium, basketball court, volleyball court, football court and an indoor badminton court with necessary infrastructure under the Department of Physical Education. The Department has all the necessary facilities and equipments for a gymnasium. Coaching is given to students regularly before and after the class hours. Accommodation is available for sports persons.

4.1.3 How does the institution plan and ensure that the available

infrastructure is in line with its academic growth and is optimally used?

Proper planning is made for the maximum utilization of the available infrastructure facilities. Plans for the academic utilization of the infrastructure are formulated by the IQAC, Planning Board, Staff Council and College Governing Council after discussions with the Department Councils. The infrastructural requirements according to the changing curriculum and upgradation of the existing facilities are intimated to the PTA and Alumni Chapters around the globe by the institution. The support of the PTA, Alumni Chapters and well-wishers maintains, upgrades and builds additional facilities on the campus.

The college has been witnessing a sea change in its infrastructure facilities during the last five years. The major developments include:

- New Women's Hostel with plinth area of 893.3 sq. mts - a project provisioned for in the special scheme of the eleventh plan of the UGC.
- Health and Fitness Centre with the support of the UGC, SAI, the Management and the contribution of the family of a late alumnus.
- Modernised A/C seminar hall, namely Dr. Juhanon Mar Thoma Hall.
- Renovation of Administrative Block.

- Rainwater Harvesting Unit.
- English Language Lab.
- Common Computer Lab.
- Public facility Lab for soil and water quality tests.
- Toilets for boys and girls.
- Renovation of Ladies' Waiting Room.
- Model medicinal garden.
- Dhyanakendram
- Solar power generation
- Biogas plants for solid waste management
- New Classrooms
- Digital Theatre

Future plans for the development of infrastructure facilities:

- Separate block for self-financing courses.
- Principal's quarters.
- Guest house for teachers.
- Boys' hostel.
- Indoor stadium.
- Synthetic track.
- Common instrumentation lab.
- Language lab for Hindi & Malayalam.
- Social Science block.
- Transportation facility.
- Inception of new courses: PG course in International trade, MBA, MCA, Nano technology, Women's studies etc.
- Upgradation of all UG Departments to PG Departments and all PG Departments to Research Centers is also included in the future expansion plans.

Optimal utilization of the infrastructure is ensured by the college authorities by using the college time table for allocation of space.

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

College has a ramp facility in the Department of Commerce where a physically handicapped student is studying. The college is prepared to provide necessary facilities when and where the need arises.

4.1.5 Give details of the residential facilities and provisions available within them?

Women's hostels provide accommodation for about 100 students. Recreational facilities for hostellers are available on the campus. A spacious

Health Centre and Counselling Centre function on the campus. First aid facility is available in the hostel as well as on the campus. A common room with audio visual equipment is available in the hostel. Internet facility is available.

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

Health awareness programmes are conducted regularly. Medicinal plants have been planted on the campus. The Health and Fitness Centre is used by the students and staff. Health insurance has been provided for all students. Health awareness, First aid training is given to students. Blood donation camps, cancer detection camps and classes on cancer and other illnesses were carried out by the Women's Cell, Women's Studies and the NSS.

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 and auditorium.

Space has been provided for IQAC, Women's Cell, Counselling and Career Guidance, Placement Unit, Eco Club, Brains Trust, Grievance Redressal Cell, Health Centre, Canteen and recreation for staff and students. The college has a spacious auditorium and provisions have been made available for safe drinking water.

4.2. Library as a learning resource.

Library, the knowledge hub, has an area of 14,400 sq. ft. Its ideal location makes it accessible to the students and faculty. Enriching the faculty and students is the primary aim of the library.

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?

A duly constituted body as per the guidelines of the UGC, comprising of the Principal, librarian and selected members from among the staff ensures coordinated, smooth functioning of the library. It is under the strict supervision of this body that various funds from the UGC are utilized. The distribution of funds to various Departments is also decided by this body. The Library Committee has a leading role in the selection and purchase of books. The Committee considers the feedback received from students and the teachers and implements the proposals from the benefactors. The new arrivals

(books/journals) are displayed prominently for information to the students and teachers. The cordial and amiable attitude of the staff really motivates the students. JSuch practices help in cultivating a good habit of reading and in the scientific use of the library among students as well as teachers.

4:2.2 Provide details of the following

The total area of the library is 14,400 sq. ft with a total seating capacity of 400. Except on public holidays, the working time of the library is from 8.30a.m to 4.30p.m on all days, including vacations. The library is well equipped with all modern amenities required for the collection and collation of information and knowledge bases required at student level to research level. The details of all books in the library are fed into a digital library management system using the software SOUL developed by UGC- INFLIBNET. The library functions with a fully computerized front office and access system. The space set apart for periodicals and newspapers is widely used by students and staff. Stack section is located on the second floor of the library complex. Stacks for different subject areas are arranged separately.

Five computers with sufficient memory and speed are used in the library. The computers are on a network and are under the control of the library staff. A printer is available in the front office. The data of all the books are computerised and necessary back-up copies are stored securely. Internet connection is available in the library. The internet facilities available in the common computer lab functioning on the ground floor of the library complex provide access to e - resources.

4:2.3. How does the library ensure the 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?

Current files and latest books are purchased after consultation with the concerned Departments. The UGC procedures are followed in the purchase of books and journals. The feedback and recommendations from teachers and students are helpful in the process of finalization of the purchases. The various Departments select books according to their need and submit the books and bill to the library. The selection of books is under the supervision of the Head of the Department. Most of the Departments have subscribed to their own journals. In addition to this, the library also has subscribed to more than 30 journals, periodicals and seven leading newspapers (English –2, Malayalam– 5).

Library Holdings	Year - 1		Year - 2		Year - 3		Year - 4	
	Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost
Text/Reference Books	1128	533807	1048	304144	75	30370	233	49382
Journals	30	18650	26	24660	23	35484	17	15550
Newspapers/periodicals	30	19427	30	15027	30	21103	30	22713

e- resources: 3000 e-journals through N-LIST

Any other: 75,000 e-books through N-LIST

4:2.4. Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

The ICT and other tools deployed to provide maximum access to the library collection are:

OPAC: Online Public Access Catalogue and Local Area Network.

SOUL: Software purchased at concessional rate from INFLIBNET Centre, Ahmedabad through MG University, Kottayam.

The library is automated. Books and the library membership cards are barcoded. Barcode reader is used in the transaction section. The NME/ICT

facility is provided in the library as an electronic resource package. Through this networking scheme, the library provides direct connectivity with countrywide learning resources. The INFLIBNET N-LIST project enables access to more than 3000 e-journals and over 75000 e - books. Google Scholar provides the facility as a federated searching tool. A separate page for the library is available in the college website providing all details of the library access system. There is only one computer and printer in the library for public access but a cluster of thirty one computers and two printers on the ground floor of the library complex are available for accessing e-resources. Photocopier and scanner are also available on the ground floor of the library complex. WiFi Internet facility is available in the whole library complex. Staff and students can avail of these facilities with the help of laptops. Institutional repository is available in the college web site.

4.2.5. Provide details on the following items:

Average number of walkins – 600 /per day
 Average number of books issued / returned - 300 to 350 /per day
 Ratio of library books to students enrolled – 37:1
 Average number of books added during last three years – 450 per year
 Average number of login to OPAC – 42354 per year
 Average number of login to e resources – 400 students are provided with password.
 Details of weeding out of books and other materials:
 Discarded - About 560 (in last 3 years)

4.2.6 Give details of specialized services provided by the library?

The library has a good archive section consisting of back volumes of journals and old reference books. This facility is used well by the student community for the preparation of seminars and projects. Reference texts to prepare for NET, SET, UPSC, PSC and other competitive exams are available in the library. Encyclopaedias and latest lexicons in English, Hindi and Malayalam are also available. The library has conventional printed materials, compact discs and online database. Information on new arrivals are displayed. Cataloguing acts as a guide to users for selecting books. It helps the user to locate titles on racks. Books are kept subject wise in their alphabetical order according to the 19th Edition of the Dewey Decimal Classification. i.e. They can be searched authorwise, titlewise and subjectwise. INFLIBNET facilities are provided on the ground floor of the library complex. User awareness is also provided. The new students are taken around the library to make them familiar with the various resources and services available there. Any user desiring to know about the library services or to learn to use a particular resource like OPAC, e-journal and INFLIBNET may contact the librarian.

4:2.7. Enumerate the support provided by the library staff to the students and teachers of the college.

All students, staff, faculty members and researchers as well as researchers of other centres carrying on their studies under the faculty of the college can borrow books from the library. Undergraduate students can borrow 3 books each while Postgraduate students and researchers can borrow 5 books each from the library against ID card for 14 days. Students preparing for NET and tests can avail of reference books during weekends. The librarian and the library assistants are very cordial and cooperative to the staff and students coming to the library. They take utmost care to help in searching for the books. They also update the stack as and when books are lent or received. They help in guiding the new users to make optimum use of the resources available in the library and also make the daily users aware about the latest arrivals.

4:2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

The library staff provides all necessary assistance to the physically challenged students. They help such students to select the books they require.

4.3 IT Infrastructure

4.3.1 Give details on computing facility available (Hardware and software) at the institution

Depts.	No. of Computers	Comp: Student ratio	Stand alone facility	LAN	Licenced s/w	No. of nodes with internet	Any other
Zoology	5	1:17	3	-	yes	2	Printer, LCD,
Botany	17	1:5		5	yes	16	Printer-2 LCD
Chemistry	4+ 1Laptop	1:25	1	3	yes	3	Printer, LCD
Maths	5	1:29	2		yes	3	Printer, LCD
Physics	12	1:9	5		yes	7	

Commerce	18	1:17	17		yes	1	Printer, LCD
Malayalam	2	1:45	1		yes	1	Printer, LCD
Economics	2		1		yes	1	Printer, LCD
History	3	1:35	2		yes	1	Printer, LCD, Scanner
English	24+2 Laptop	1:45	3	yes	yes	2	Printer, LCD
Hindi	1+1 laptop	1:20	1		yes	1	Printer, LCD
Comp. Sci	23	1:7	nil	yes	yes	5	Printer
Office	10	1:2	3		yes		Printers- 5 Copier/ scanner-1
Library	6			yes	yes	1	Printer
Common Computer facility	33			yes	yes	30	Printer, LCD, Scanner

4.3.2. Details on the computer and internet facility made available to the faculty and students.

Students and staff can avail of computer and internet facility through the Common Computer Facility laboratory on the college campus. Faculty can avail of computer and internet facility at department level also.

4.3.3. Details on institutional plans and strategies for deploying and upgrading the IT infrastructure.

Adequate budgetary provisions are made for upgradation of IT in the institutional budget and also for different Departmental assistance. The Department of Commerce has proposed to enhance their lab with 10 more computers so as to bring down the computer: student ratio. The Department of Economics proposes to install a computer lab and a smart board to facilitate the use of ICT. The Department of Hindi proposes to initiate a language

development lab. The Department of Chemistry proposes the inception of a smart classroom with at least 10 computers and adequate infrastructure. A digital theatre with all modern equipment is being planned by the Department of Malayalam and funds from the UGC have been realized for this. More computers will be procured through FIST grant for science Departments.

4.3.4 Provide details on provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution.

Each year 10% budgetary provision is allocated for IT infrastructure. In addition, Departments can avail of an amount of Rs.5000/- each from the PTA for the renovation/ maintenance of computers.

4.3.5 How does the institution facilitate extensive use of ICT resources?

ICT resources are used by all Departments for the dissemination of knowledge. Students too, especially at the PG level, make use of IT facilities to make presentations and conduct seminars. The Santhom Computer facility under the Department of Physics is a collaborative effort of the teachers and students. Online self-evaluation kit that provides a set of questions with multiple choice answers after every module informs the student about his/ her awareness of the topic. Students are allowed to use the internet, wikipedia, You tube classrooms, development languages C, C++, python, pearl and other facilities free of charge after regular class hours.

4.3.6 Elaborate on how learning activities and ICT technologies are deployed.

ICT technologies are deployed wherever possible. Staff and students use projectors and computers, PowerPoint slides, interactive CDs, and even virtual laboratories. For example, the Department of Zoology provides virtual laboratories which show the dissections and the internal organs of frogs and other specimens clearly. Interactive CDs are used to demonstrate such dissections. In the Department of Commerce, TALLY programme is used by students for their studies. LATEX hands-on coaching is provided to the students of Mathematics. Language studies conducted through the Language Laboratory in the Department of English facilitates effective communication of the students. In the Department of Computer Science, the use of microprocessor lab is facilitated by software which can provide the simulation of a microprocessor kit.

4.3.7. Does the institution avail of the National Network Connectivity directly or through the affiliating university?

The institution avails National network connectivity through Mahatma

Gandhi university.

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 budgetary allocation is fully and efficiently utilized. Due to financial restraints, many a time the Management found it difficult to satisfy the various needs of the students and the faculty. The grants from the UGC and the support from Alumni, PTA and staff are utilized properly by planning the budget. The budget allocated for maintenance and upkeep of campus facilities for the last four years are given below:

Amount spent year wise

Item	2010-11	2011-12	2012- 13	2013-14
Building		12900000/-	---	1017433/-
Furniture		2000000/-	---	348109/-
Equipments		2740000/-	---	1053366/-
Computers	85988/-	----	85380/-	101163/-
Vehicles		----	---	---
any other		500000/-	2577626/-	1283267/-

4:4.2 What are the institutional mechanisms for the maintenance and upkeep of the infrastructure facilities and equipment of the college?

The annual budget is prepared by the Governing Council after a thorough assessment and consideration of the suggestions made by the Construction and Maintenance Committee. The treasurer, estate manager and caretakers are responsible for proper upkeep and maintenance of the infrastructure facilities and equipment of the college.

Two persons have been appointed by the Management for the maintenance and associated works of the college. Two clerks look after the accounts. A plumber and an electrician are available on-call round the clock, especially for the Women's Hostel and laboratories. Technicians are also available for the maintenance of computers and other electronic items. Computers in the Departments are managed with the financial support of the college Management.

4:4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

The calibration and precision measurements and verification of devices used in the laboratories are entrusted to the respective Departments. The Management arranges measures on a regular basis for the repair of the

equipments and instruments and whenever a complaint is registered.

4:4.4 What are the major steps for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.?)

All equipments that are sensitive to electric fluctuations are connected to the UPS. Special sealed wires and ELCBs are used to prevent damages that may be caused by lightning or other natural calamities. Lightning Arrester is connected to prevent damages due to lightning. Solar Power is connected to the Department of Physics for uninterrupted power supply.

All the buildings on the campus are provided with adequate power and water connections to meet the requirements of the students and the faculty. The Administrative Block and the Departments of Physics, Chemistry, Botany and Zoology are provided with stand alone power systems with sufficient KVA diesel generators. The computers in the library are provided with backup systems for more than one hour uninterrupted power supply. Maintenance of the backup systems is carried out periodically. Large concrete water storage tank with pumps ensure constant water supply to the Women's Hostels. Each building has its own overhead water storage tank with common pumping facility. A rainwater harvesting tank with intake capacity of 5 lakh litres was constructed to meet the requirements for water. In addition Panchayath water supply is maintained on the campus. All these facilities are maintained with the support of the PTA and the Management.



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 and academic handbook every year. The Prospectus provides information a propos Courses offered by the college at the Undergraduate and Postgraduate levels, Self-financing courses, Selection and admission procedures, Fee structure, Residential accommodation, Associations and Clubs, Special instructions regarding rules and discipline, other features etc.

The College Handbook imparts information regarding the history and governance of the institution, details regarding Choice Based Credit and Semester System, Rules and regulations of the University, Courses offered, Approved Research Centres of the College, Research guides, Short-term courses, Add-on courses, Attendance and Leave Application, Rules of admission, Tuition fees, Fee concession, Instructions regarding payment of fees, General rules of discipline, Library rules, Approved residence for students, Rules of the hostel, etc.

The handbook also publishes the lists of the governing council and staff council members, IQAC and a staff directory. Information pertaining to student support services--various associations, clubs and forums functioning in the campus, different types of scholarships and endowments offered to students--is also provided. It also includes a semester wise Academic Calendar.

UGC Regulation on Curbing the Menace of Ragging in Higher Education Institutions 2009, Kerala Ragging Prohibition Act 1998, Mahatma Gandhi University Students Code of Conduct Rules 2005 are also incorporated in the handbook. It also categorically states the Vision and Mission statement of the institution.

The institution ensures its commitment and accountability through continuous appraisal. Different committees supervised by the Principal monitor and execute the various aspects prescribed in the prospectus and handbook. Admission procedure is evaluated by the Admission Committee. Scholarship Committee ensures the disbursement of scholarships and endowments. Academic

audit is conducted every year. The College Governing Council, Staff Council, IQAC etc. screen and review the effective implementation of the various programmes and ensure the commitment and accountability of the institution stated in its Vision and Mission.

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

The institution provides financial assistance to students on the basis of merit and means in the form of scholarships and endowments. 47 scholarships and endowments are instituted by well-wishers, trusts, alumni chapters and the various Departments.

The PTA also rewards meritorious students of each class.

PTA Scholarships

Year	Total Amount	No. of beneficiaries
2009-10	Rs. 20,000	52
2010-11	Rs. 28,000	52
2011-12	Rs. 34,000	56
2012-13	Rs. 41,000	60
2013-14	Rs. 33,350	58

Institutional Scholarships and Endowments

Year	Total Amount	No. of beneficiaries
2009-2010	Rs. 62000	65
2010-2011	Rs. 62800	70
2011-2012	Rs. 64000	65
2012-2013	Rs. 71000	75
2013-2014	Rs. 72000	70

Every year the Scholarship committee disburses the general scholarships and the PTA Committee distributes the scholarships instituted by the PTA.

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies? Financial Assistance from the State in the form of fee oncession/freeship/ stipend:

Year	No.of beneficiaries	%
2008-09	800	64.15
2009-10	761	53.25
2010-11	741	51.42
2011-12	774	50.75
2012-13	820	52.19
2013-14	862	50.35

State National Scholarships

Kerala Higher Education Council Scholarship		
Year	Total Amount	No. of beneficiaries
2010-11	Rs. 1,08,000	9
2011-12	Rs. 2,10,000	12
2012-13	Rs. 3,24,000	16
2013-14	Rs. 3,34,000	10
Social Welfare Department - for Physically Challenged		
2012-13	Rs. 5250	3
Indira Gandhi Scholarship for Single Girl Child		
2009-10	Rs. 40,000	1
2010-11	Rs. 6000	1
2011-12	Rs. 6000	1
2012-13	Rs. 46,000	1
2013-14	Rs. 2,40,000	6
Post Metric Minority Scholarship		
2012-13	Rs. 3000	1
2013-14	Rs. 6000	2
Central Sector Scholarship		
2012-13	Rs. 5000	1
2013-14	Rs. 5000	1
Financial aid to student from remote area		
2010-11	Rs. 5000	1
2011-12	Rs. 5000	1

5.1.4 .What are the specific support services/facilities available for Students from SC/ST, OBC and economically weaker sections

•Admission

The college ensures the admission to the quota reserved for SC/ST as per Government and University rules. 20% of admission through Management Quota is set apart for socially and economically weaker sections of the society.

• Equal Opportunity Centre

The Equal Opportunity Centre, aided by the UGC, implements programmes specifically for disadvantaged sections such as SC/ST, OBC and others by conducting various programmes.

• UGC funded programmes

UGC funded Remedial coaching, Entry into Service programmes, and NET Coaching centre target motivation and participation of the disadvantaged students.

• Student support activities

All available student support activities such as Counselling services, Orientation programmes, and Leadership training programmes organized by the college, different Departments, associations and forums are meant for the uplift of the weaker sections as well. Women's Studies Centre, Women's Cell and NSS conduct programmes focused on the weaker students.

• SC/ST Monitoring Cell

SC/ST Monitoring Cell ensures effective implementation of the programmes for the economically and socially backward students.

• Students with Physical Disabilities

- Physically challenged students are admitted to the various programmes as per university rules.
- Classrooms are arranged according to the needs of the physically challenged students.
- Scribes are provided by the college, as per university norms, for assisting the blind or partially blind students during their exams.
- Messenger system is adopted to get books from the library.
- Audio CDS are made available for the visually impaired.
- Students and teachers are sensitive and supportive to the needs of such students.

Overseas Students

- No overseas students have been admitted during the assessment years.

Students to participate in various competitions/National and International

- The various competitions held by the College Union, different forums like NSS, Women's Cell, Sunday Magazine Club, Brains Trust, Best Arts etc provide opportunities to all students to participate in various competitions.
- Department Associations, Inter-Departmental Cultural and Sports competitions, Annual Sports and Arts Festival promote student participation.
- Various training programmes organised by the college encourage and equip students to participate in competitions at the intercollegiate, university, state and national levels.
- Financial support is given by the Departments, forums, PTA and the Management.

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

- Health Centre with facilities for first aid is functioning on the campus.
- All students are insured at the time of admission under the college insurance scheme in association with the United India Insurance Company.
- College NSS unit conducts blood test camps for first year students.
- Health awareness classes on AIDS/HIV, Life Style Diseases, Chicken Guinea, Cancer Detection, Drug Addiction are organised by NSS, Women's Cell etc.

Organizing coaching classes for competitive exams

- The UGC /NET Coaching Centre conducts classes for students to qualify for UGC/NET and other similar examinations.
- Coaching is given to students aspiring for PSC and other examinations.
- Coaching for CAT/MAT exams is offered by the Department of Commerce.
- Career Guidance and Counselling Centre of the College prepares students to fare well in group discussions and interviews.
- Orientation programmes are conducted at the beginning of the year to highlight current trends in job market, importance of Soft Skills etc.
- A 60-hour Foundation for Career Advancement programme is organized by the Career Counselling Centre.

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

The institution promotes the following major skill development programmes to equip the students

Skill Development Programmes

Department	Skill Development Programme
English	<ol style="list-style-type: none"> 1. A short-term (20hrs) Course in Communicative English for all first year Undergraduate students. 2. UGC sponsored Career Oriented Add-on Course in Communicative English with Certificate and Diploma Programmes. 3. Additional Skill Acquisition Programme(ASAP)programme conducted in 2012 targeted better communication skills
Botany	Short-term Course in Mushroom Culture
Zoology	Short-term Course in Aquarium Management
Malayalam	UGC Sponsored Career oriented Add-on Course in
NSS Unit of the college	<ol style="list-style-type: none"> 1.Training of Concrete Brick Making 14-16 Nov. 2012 2.Coconut Tree Climbing 26 Nov- 1 Dec 2012 3.Practical Training on Farming7-8Dec 2012
The Common Computer Lab	<ol style="list-style-type: none"> 1. A Basic Course in Computer-Microsoft Office-Word, Excel, and File Management to all first year Undergraduate students. 2. Advanced Course in Computer 3. Certificate Course in Web designing.
Women's Cell	<ol style="list-style-type: none"> 1.Stiching and embroidery 2.Glass painting 3. Paper bag making

Support for "slow learners"

- Slow learners of the Undergraduate courses are given remedial coaching by all the Departments.
- Teachers extend individual assistance to students who are weak in their studies.
- Continuous assessment through test papers and assignments enable teachers to identify slow learners who need more assistance and encouragement.
- Remedial coaching was institutionalized with UGC assistance.

Remedial Coaching with UGC funding

Subjects	No. of hours				
	2007-08	2008-09	2009-10	2010-11	2011-12
Maths	127	117	120	125	139
Physics	96	88	98	100	112
Chemistry	89	82	86	88	90
Botany	100	91	95	88	95
Zoology	95	92	90	86	85
English	88	87	100	103	104
Malayalam	82	73	80	73	84
Hindi	49	46	35	30	36
History	99	98	97	105	105
Economics	187	191	196	192	197
Commerce®	206	209	198	203	210
Commerce(V)	83	85	88	88	100
Total	1301	1255	1283	1281	1357

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

- The institution provides guidance and opportunities to students to attend workshops, invited talks and seminars conducted by various institutions of higher learning.
- Study tours at the Department level provide exposure to new avenues of learning.
- Add-on Course in Journalism offered by the Department of Malayalam offers students opportunity to visit media houses.
- Industrial visit is organized under the ED Club of the Department of Commerce.
- Students are encouraged to visit industries, small and large, for their Projects.

Publication of Student Magazines

The institution encourages publication of student magazines.

- The College Annual is published by the College Union every year. This contains the creative talents of students and articles by teachers in addition to the annual report of the college, reports of the College Union, and various associations and forums functioning on the campus.
- Noesis published by Research Forum of the Postgraduate Department of English and Eco-Research of the Postgraduate Department of Economics contain the abstracts of the projects of Postgraduate students and presentations by resource persons.
- College NSS Unit brought out the manuscript magazine Grasya in 2010-11.
- Department Associations bring out manuscript magazines that bring to light the creative spirit of the students.

Student Magazines

Year	Title	Publisher
2013-14	Eco-Research	Dept. of Economics
	Convergence	Dept. of Mathematics
	Seasons	Department of English Add-on Diploma Course in Communicative English
	Rhyme Logue - Pleisionkinos	
	Redletter Days	
	Challenger	Zoology Association
	BadamukaludeThanalidangal	College Union
2012-13	Eco-Research	Dept. of Economics
	Convergence	Dept. of Mathematics
	Ganitha Varangal	
2011-12	Pranidhi	College Union
	Grasya	NSS
	Noesis Vol.2	Research Forum, Dept. of
	Analecta	I BA English
	Carpe Diem	II BA English
	Challenger	Dept. of Zoology
2010-11	Noesis Vol.1	Research Forum, Dept. of
	Darpan	Hindi Association

	Chuvarpathram	NSS
2009-10	VelichamVitharunna Varthamanam	College Union
2008-09	Behind the Memories	College Union

In addition to the student magazines, the students published audio and video albums, and a short film.

Audio and video albums, and short films published by students

Year	Title	Publisher
2013-14	Aduppam: Closeness/Intimacy (Music album)	Co-travellers of Music, St. Thomas College, Kozhencherry
2013-14	Punarjani (docu-fiction)	Hindi Open Course
	Dream	DC III History
2012-13	Generations (short film)	Joji Philip (III B.Com Marketing)
	EvideThudangunnu(short film)	DC II English
	Ormakal(music album)	DC III English
2011-12	Pambayude Katha (documentary)	Hindi Open Course

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

The Entrepreneurship Development Club has been functioning under the auspices of the Department of Commerce to inculcate entrepreneurship qualities, to sensitise industrial scenario of the State, to nurture the latent entrepreneurial talent and develop awareness among its members of the attitudes, values and skills of successful entrepreneurs around the globe. Orientation classes were conducted by the District Industrial Centre to promote entrepreneur culture among the students.

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.

The institution fosters a positive attitude towards student participation in curricular, extracurricular and co-curricular activities and implements various programmes for the same.

- At the time of admission due consideration is given to students who excel in extracurricular and co-curricular activities such as sports, games, quiz and other cultural activities.
- College Union activities, Department Association programmes, the various activities organized by the clubs and forums like Brains Trust, Women's Cell, NCC, NSS, Best Arts, Debating Club etc. promote participation of students in extracurricular and co-curricular activities.
- The Arts Fest held in the college under the aegis of the College Union offers an avenue for healthy competition among the different Department Associations.
- The Department of Physical Education in association with the College Union conducts annual sports competitions every year. A state of the art fitness centre, volley ball and basketball courts, indoor shuttle badminton court and a stadium provide a congenial ambience.
- The institution provides financial assistance to meet the expenses related to the board, lodging and travelling expenses incurred to participate in sports, games and other cultural competitions.
- Accommodation for sports students is made available on the campus.
- Interhouse competitions are held every year, the winners of which are selected for the university Youth Festival.

Additional Academic Support, Flexibility in Examinations.

Students are given attendance for the days of participation in the competitions. Flexibility in internal examination is given--date extended for submission of assignments and seminars, and re-examination for written exams.

***special dietary requirements, sports uniform and materials**

The PTA and the teaching faculty of the institution support in providing meals for residential sports students. They are also provided with sports kits like jersey, shorts and boots.

5.1.7 .Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as

UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

The Career Guidance Centre and Counselling Centre equip students to hone their natural skills and acquire competence to fare well in competitive examinations and interviews. Coaching classes for NET are conducted by experts and professionals from the institution and outside under the aegis of the UGC/NET Coaching Centre. PSC Coaching classes are also provided. Given below are the Departmentwise details of students who have qualified in competitive exams during the last four years:

Number of students who qualified in various competitive exams (2007-08 to 2013-14)

Name of Exam	No. of Students	Department
JRF	2	Botany
	2	Mathematics
	2	Commerce
UGC-CSIR-NET-	3	Mathematics
	2	Zoology
	3	Physics
	6	Chemistry
UGC-NET	8	English
	4	Economics
	7	Commerce
	8	Malayalam
	1	History
SET	10	Mathematics
	10	Botany
	10	Zoology
	26	English
	1	Malayalam
	7	Economics
	15	Commerce
	1	Hindi
	1	Chemistry
	2	History
TET	1	Mathematics
	2	English
CAT(CUSAT)	1	Hindi

Defence service	4 1	Zoology Mathematics
CTCT	2	Mathematics

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

- The Counselling and Orientation Centre & Career Guidance Centre of the college jointly and separately conduct orientation and counseling programmes for both UG and PG students.
- All first year UG and PG students participate in an orientation programme which focuses on personality development, goal setting, and foundation and orientation in their respective subjects.
- Second year degree students are given classes on “Attitude” and “Career Management.”
- All final year UG and PG students are trained in soft skills, group discussion and interview skills.
- Women Counseling: Counselling for female students by the Centre for Women Studies and Women’s Cell.
- Tutorial/Mentoring: Class tutors and mentors provide personal and academic counselling.
- Counselling classes: Counselling experts are invited to conduct classes for the students.
- Professional counselor: Service of a professional external counselor is made available when necessary.
- Training for teachers: Teachers are given training in counselling and mentoring.

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

- The Placement Cell of the College offers opportunities to the students to prepare themselves and to make an early headway in their career.
- Soft Skill development programmes are conducted.
- Training on Resume/CV Preparation, Interview Skills and Group Discussion is provided to all final year students.
- Students are intimated about career opportunities and are encouraged to attend career oriented seminars.
- Career information is published on the concerned Department notice board.
- Career guidance section in the library provides books that help in preparing for competitive exams.

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.

Grievance Redressal Committee comprising of the Principal as Chairman, three teachers (of which one is a lady) nominated by the Staff Council, and two student representatives is functioning in the college as per University norms.

Some of the grievances reported and redressed are given below.

- Reprographic system for the library.
- More toilet facilities have been made available.
- Adequate drinking water facility.
- Roofing for tap water area.
- Improved canteen facilities.
- Two wheeler parking facility for students.
- Shifting of classrooms on request to more suitable rooms in the Main block. Repair of the classrooms is in progress.

In order to address the grievances of the students regarding internal examinations the institution has a three-level grievance redressal mechanism as per University rules. A student can appeal to the higher level if the grievance is not addressed at the lower level.

- Dept. level: The Department Cell chaired by the HoD.
- College level: College level committee with the Principal as Chairman, Coordinator, HoD of the concerned Department and a senior teacher nominated by the College Staff Council as members.
- University level: Committee constituted by the Vice- Chancellor.

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

A Cell to Combat Sexual Harassment consisting of ten members has been constituted in the college as per UGC guidelines. The structure of the Cell is as follows:

1. Principal
2. Legal Advisor
3. Two representatives of the Teaching Faculty
4. Representative of Non- teaching staff
5. Member, Local Self-government
6. Member, PTA
7. Member, Governing Council
8. Two student representatives.

As the institution is a gender friendly campus with the majority of teachers and students belonging to the female sex, no sexual harassment cases have

been reported. The Women's Cell and the Centre for Women Studies conduct sensitization and awareness programmes for the female students which equip them with awareness about their rights and measures to guard themselves. The various student support programmes also guarantee equal opportunities for girls. The ambience is conducive for girls.

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?

Yes, there is an anti-ragging committee consisting of five members on the faculty functioning on the campus which has been able to caution students about the repercussions following any attempt at ragging. Hence no instances have been reported.

The following measures have been effective in curbing ragging on the campus.

- Proper awareness is advertised through posters exhibited in all the key areas, library, corridors and other public areas.
- At the time of admission a statement is signed by the student that he/she will restrain from any sort of such illegal activities.
- Class teachers are vigilant in preventing any attempt at ragging.
- Frequent exhortations by the Principal through the public address system warning the students to refrain from any attempt at ragging are effective in preventing ragging.

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

The institution has always been sensitive to the needs of the students. The following are the welfare schemes made available to students by the institution:

- Noon-meal scheme for the financially backward students.
- Tutorial system.
- Scholarships on the basis of merit cum means.
- Home for the homeless.
- Remedial coaching.
- Co-operative store.
- Photocopying facility
- Canteen.
- Post Office.
- Computer and internet facility.
- Inflibnet-NList project.
- Rainwater harvesting.
- Rest room for female students.
- Sports hostel.

- Drinking water.
- Ladies Hostel.
- Equal Opportunities Centre.
- Counselling and Orientation Programme.
- Career Guidance and Counselling Centre.
- NSS, NCC, Women's Cell, Brains Trust, Discussion Forum, Best Arts, Tourism Club, Science Club
- PSC coaching.
- NET coaching.
- Health Centre.
- Health and Fitness Centre.
- Dhyanakendram

5.1.14. *Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?*

- **Two-tiered Alumni Association:** Every Department has its own Alumni Association which meets annually and the general alumni meeting of the college is conducted bi-annually in December and May.
- The College Alumni has branched out to the USA and Gulf countries like Baharin, Abudhabi, Dubai and Muscat.
- Eminent alumni visit the college, deliver lectures, share experiences and inspire the students to excel.
- The Alumni Association has instituted awards to the best outgoing students of various Departments.
- The Alumni Chapter of Abudhabi has instituted a scholarship of Rs. 3000 for a financially weak but academically proficient student of each Department.
- Riyadh Chapter of the Alumni has sponsored an award for the Best Sports person.
- A Global Alumni Meet was conducted as part of the diamond jubilee celebrations of the college.
- An Intercollegiate Basketball Tournament is conducted annually.
- Department level Alumni Associations actively support their respective departments. A seminar on "Print Media" sponsored by the Department Alumni Association was organized by the Department of English in January 2009. The resource persons for the seminar were seasoned alumni in the field.

5.2 STUDENT PROGRESSION

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

Student Progression in Percentage (UG to PG)

	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Maths	58.1 %	40.63	45.8	58.3	47.2	-
Chemistry	40	30	40	50	36	40
Botany	38	21	50	21	5	-
Zoology	30.43	31.82	33.33	23.08	43.75	-
English	85.71	61.66	71.42	73.91	65.21	-
Hindi	35.29	75	37.5	85.71	75	40.9
Malayalam	30	50	75	45	48	-
History	35	20	25	20	20	20
Economics	33	32	48	30	37	40
Commerce	85	85	86	84	86	85
Computer Science	30	33	36	38	39	34

Average percentage of Student Progression of the past six years.

Student progression	Against % enrolled
UG to PG	47.2
PG to M.Phil.	8.45
PG to Ph.D.	6.61
Ph.D. to Post-Doctoral	1
Employed	47.92
Entrepreneurship/Self-employment	17.65

The following trends are observed from the progression table:

There is a marked progress in the number of students opting for further qualification.

- Nearly 50% of the UG students opt for postgraduate studies in the same discipline or other related disciplines showing vertical progression, while 22-25% deviate into other job-oriented courses or diplomas or B.Ed showing horizontal progression.
- About 24% set out for employment mostly in the private sector.

- A major trend noted among post graduates is to pursue Bachelor of Education (B.Ed) course owing to the high employability in aided /unaided schools inside and outside the state.
- 60% of the postgraduate students go for B.Ed or other courses
- Only 8-9% undertake M. Phil and 6-7% pursue doctoral research and less than 1% from Ph.D to Post doctoral.
- About 65 % are employed through private sector/government institutions/self-employment

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

Pass Percentage of the Last Five Years (UG)

Subject	2013-14	2012-13	2011-12	2010- 11	2009- 10	2008-09	2007-08
English	95.83	95.45	95.83	63.63	85.71	100	95.23
Malayalam	55	73	78	90	78	78	90
Hindi	68.5	62.5	100	84.6	91	100	94
History	58.06	53.12	60.60	68	22	71	73
Economics	73.2	71.6	58.1	86.2	64.7	70.8	79.2

Maths	63.41	80.55	91.66	66.66	78.13	83.87	77.77
Physics	84.61	87.09	82.75	42.1	41.66	26.08	72
Chemistry	77	57	62	52	36	43	48
Botany	84	86	93	93	94	78	89
Zoology	79	87.5	73	72	45	65.2	68
Commerce 1	90	96	92	83	79	62	78
Commerce 2	86	88	97	73	58	53	55
Computer Science	64	78.5	74.2	73.21	81.67	67.50	71.43

Pass Percentage of the Last Five Years (Postgraduation)

Subject	2012-13	2011-12	2010-11	2009-10	2008-09	2007-08
English	76.9	62.5	100	91.66	100	91.67
Economics	71.4	50	54.54	35.7	54.5	42.8
Maths	33.33	60	87.5	54.54	66.66	73.33
Physics	66	81.86	77.77	44.44	66.66	62.5
Chemistry	33	43	67	78	86	60
Botany	40	92	91	92	90	91
Zoology	90	66	87	86	71	100
Commerce	88	82	86	85	87	87

**Ranks Secured in the University Examination
During the Post-Accreditation Period (2007 to 2014)**

Name of the Students	Subject	Position	Year
Adheena Elza Johns	Botany UG	I	2014 March
Anju Sara Varghese	Commerce PG	3	2013 March
Repsy Mariam Mathew	Malayalam UG	2	2011 March
Rejo M. John	Zoology PG	3	2007 March
Caroline Asha Mathew	Botany UG	1	2007 March
Prathibha	Physics UG	2	2007 March

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

- The institution motivates students to pursue higher education through orientation programmes, academic counselling, and career guidance programmes organized by the Career Guidance and Counselling Centre, and the Departments.

- The institution itself provides nine Postgraduate courses.
- Research facility is available in seven Departments. There are 19 approved research guides in the college.
- Coaching for NET, PSC and other examinations is provided by the institution.
- Entry into Service Programme enables students to equip themselves with skills necessary for career development.
- Foundation Programme and Career Management seminars enable better performance of students in interviews and group discussions.
- Academically outstanding students are honoured.
- Endowments and scholarships for top scorers and best students.

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

- Remedial programme has been institutionalized for students who are at risk of failure.
- Each Department conducts remedial classes for weak students. The list given below shows the number of hours taken for remedial lessons:

UGC Aided Remedial Coaching

Year	No. of hours	Year	No. of hours
2007-08	1301	2010-11	1281
2008-09	1255	2011-12	1357
2009-10	1283		

- Internal examinations and class tests are conducted regularly.
- Individual attention is provided wherever necessary.
- Attendance shortage list is published regularly.
- Classwise PTA meetings enable to minimize risk of failure and to curb dropouts.
- Listeners Camp programme ensures better participation of the students who are at risk of failure owing to different reasons.
- Academic and Personal counselling is provided through tutors and counsellors.
- Financial support is provided to students, when necessary, to continue their studies.

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 institution supports and promotes the holistic development of the students through a range of extracurricular activities.

- Arts festival
- Annual Sports
- Activities conducted by Department Associations
- College choir
- Adventure Club
- Tourism Club
- SCM
- MTSA
- NSS
- NCC
- Women's Cell
- Brains Trust
- Best Arts
- Sunday Magazine Club

While all the students participate in the activities of the College Union and the activities of their respective Department Associations, all female students are actively involved in the programmes of the Women's Cell. Participation in the activities of clubs and forums other than that of Associations, are optional.

Programme Calendars for the assessment years are given in Appendix.

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.

The Department Associations, Clubs and Forums conduct various programmes that ensure student exposure and participation in Cultural and Sports competitions.

Major Student Achievements

	Year	Name of student/s	Achievement
International	2012-13	Vishnu K .A Sreekumar K. Devadas Maju K.M	Guinness Record for World's Largest Non-Classical Musical Symphony at Assam
National	2012-13	Vishnu K .A	1.Best Camper at National Integration Camp at Jodhpur in December. 2.Best NSS Volunteer Secretary under Mahatma Gandhi University .
		Jobin Mammen	Attended National Adventure Camp at Dzhukovalley, Nagaland. 23April-2 May .
		Raghunathan K.A	Participated in the Republic Day Parade at New Delhi.
		Rageshnath R.	Participated in the Republic Day Parade at New Delhi
	2011-12	Praphul Prasad & Aravind R.Pillai	Participated in the Republic Parade in New Delhi.
	2010-11	Shamji K. Thomas	Captain, National Champion Kerala State Senior Volleyball team

State	2013-14	Shilpa K.	<p>1. Gold Medal and First place in individual KATA , 34th State Karate Championship.</p> <p>2. Second place KUMITE, 34th State Karate Championship.</p> <p>3. First place in Female KATA, All Kerala Interschool/College and Open Karate Championship at Changanacherry.</p>
		Ricky Saji	Best Camper, Camp on Media hosted by Malayala Manorama.
		Adheena Elza Johns & Tom P. Thomas	Second, All Kerala Botany Quiz Competition, Basilius College, Kottayam.
	2011-12	Salini L.R	Elocution Competition conducted by Ramakrishna Ashram, Kalady.
		Anju Ann John	First Prize in English Essay Writing, National Literary Fest, CMS College,
		Akhil V.Sreedhar	First in Portrait Painting at Assumption College, Changanacherry.

	2010-11	Renjini Sukumar & Anjumol V.	Second prize, Quiz Competition by State Library Council at Catholicate College, Pathanamthitta.
		Praveen Radhakrishnan	1.Member, Kerala State Youth Volleyball team. 2. Member, MG University team. 3. All India Interuniversity Volleyball Championship.
		College Volleyball team	Winners, Pathanamthitta District Senior and Youth Volleyball championship.
		Midhun S.Karun	Participated in the Republic Day Parade at New Delhi.
		Jackson K. Abraham & Vishnu Prasad	Participated in All India Camps of NCC
	2009-10	Akhil V.Sreedhar	Drawing Competition at Assumption College, Changanerry.
	2013-14	Tijin Thomas	A Grade in Photography, University Youth Festival.
University		Vishnu K A	Secured the best NSS Volunteer award of the M G University. 2013
		Adheena Elza Johns and Tom P. Mathews	Bagged second prize in All Kerala Quiz competition held at Basalious college Kottayam on December 2013

		Adheena Elza Johns	B.Sc Second Year Botany bagged second prize for Intercollegiate Project
		Vishnu K .A	B.Sc Second Year Botany best participant award for National Integration programme conducted by National Service ,Scheme at Jaipur December 2012.
	2011-12	Adheena Elza Johns	3 rd Place in Malayalam Essay Writing, MG University Youth Festival.
		Vishnu KA	First in State Yuvajana Festival for Tabala.
	2010-11	Salini L R	3 rd place in English Elocution, MG University Youth Festival.
		Benson Mathew	A Grade MG University
		Anju Ann John	A Grade In English Recitation, MG University Youth Festival.
	2009-10	Varghese Thomas	Second Prize for Painting at Intercollegiate Arts Competition at Newman College, Thodupuzha.
		Varghese Issac and Aiswarya Mariam Thomas	Attended RD Camp at S.B College Changanacherry
	Zonal	2010-11	Renju Thomas & Sam P. Varghese Jessina Ann Mathews Mento Ann Varghese Rakhi Raj Jinto Rachel John

In addition to these the following team achievements are worth mentioning:

2013-14

- Our students bagged the ‘P.G. Philip ever-rolling Trophy’, being winners of the intercollegiate MTSA cultural competitions held on 23 November 2013 at Mar Thoma College, Thiruvalla

2012-13

- NSS Volunteers attended NSS State Camp at Kerala University Students Centre, March 2013.

2011-12

- Students participated in the MG University Union Youth Festival held at Thiruvalla and won prizes.
- Three NCC cadets participated in the regional and district level Independence Day and Republic Day parades.
- Two NCC cadets participated in the Republic Day Camp in New Delhi and two in the All India camps.
- 90% of the students who appeared for the ‘B’ and ‘C’ Certificate examinations of the NCC passed the exam. The College volleyball team also participated in many a championship.
- Three NSS volunteers—Akhil Prasad, Vishnu K.A., PravithaPrasanna Kumar -- participated in the R.D Camp at CMS College, Kottayam.
- Two volunteers—Jobin V. Mammen and Nithyamol K.M.-- attended the Volunteer Secretaries Camp.

2010-2011

- Students represented the college in the MG University Youth Festival held at Maharajas College, Ernakulam from 27 January to 31 January.
- Two students won prize in the quiz competition conducted by the State Library Council.
- The College volleyball team participated in the All Kerala Inter-Collegiate Volleyball Tournaments and were the runners-up in three tournaments.
- They also won the District and Youth Volleyball championship.
- One student got selected in the Kerala State Youth Volleyball Team and also participated in the All India Intervarsity Volleyball Championship.
- NCC cadets participated in the District level Independence Day and Republic Day parades at Pathanamthitta.
- Cadets won the first prize for their best performance in the District level

Independence Day and Republic Day parades at Pathanamthitta.

- One cadet participated in the Republic Day parade at New Delhi.
- Two participated in the All India camps.
- 35 cadets appeared for 'B' Certificate and 17 for the 'C' Certificate examination of the NCC.

2009-10

- One NCC cadet participated in the Mavlinka Shooting Competition 2009 held in Kolkata.
- Two were selected for the Pre-RDC 2009.
- 94% of the first year cadets passed 'B' certificate exam and 90% of the second year cadets passed the 'C' Certificate exam.
- Seven cadets were able to join Indian military and paramilitary services through NCC quota.
- The college teams participated in various intercollegiate volleyball, football, cricket, shuttle-badminton, yoga, chess and athletic meet conducted by MG University and were the runners-up in volleyball and yoga.
- The volleyball team bagged championship in three other tournaments.
- Three students were selected to the MG University Team that participated in the All India Inter University Championship and Youth National Championship.

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 collects feedback from final year students regarding the institutional facilities and takes initiatives to enhance the quality of institutional infrastructure and academic excellence
- Feedback collected from employers, formally and informally, is considered for enhancing facilities for student performance.
- The feedback on syllabus content is considered for further improvement at the time of syllabus restructuring.

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.

The institution encourages publication of student magazines.

- Every year the College Annual, which contains the creative talents of students and articles by teachers in addition to the annual report of the college, college union report and reports of the various associations and

forums functioning in the campus, is published by the college union.

List of Student Magazines

Year	Title	Publisher
2013-14	Eco-Research	Dept. of Economics
	Convergence	Dept. of Mathematics
2012-13	BadamukaludeThanalidangal	College Union
	Eco-Research	Dept. of Economics
	Convergence	Dept. of Mathematics
2011-12	Pranidhi	College Union
	Grasya	NSS
	Chuvarpathram	NSS
	Noesis Vol.2	Research Forum, Dept. of English
	Analecta	I BA English
	Carpe Diem	II BA English
	Challenger	Dept. of Zoology
2010-11	NoesisVol.1	Research Forum, Dept. of English
	Darpan	Hindi Association
2009-10	VelichamVitharunna Vartham	College Union
2008-09	Behind the Memories	College Union

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

Selection

The College Union is a representative body of student members, elected in accordance with the prevailing rules and regulations of the University. The tenure of the Union is one year. The Returning Officer, appointed by the Principal, conducts the election. Till 2013 the members of the College Union were elected in the Presidential mode of election as per Mahatma Gandhi University rules. From 2013, the College follows Parliamentary system of election. In the first phase, students of each class elect two representatives, one of whom is a girl. They constitute the Electoral College. Anybody from these

class representatives can compete as candidates for different positions in the Union. In the second phase the Electoral College elects the office bearers of the College Union.

Structure

Chairman, Vice-chairman(Female), General Secretary, Magazine Editor, Arts Club Secretary, two University Union Councillors, two Lady Representatives, Class Representatives—I DC, IIDC, IIIDC, I PG, IIPG. Apart from the Principal, three members on the faculty, appointed by the Principal function as Union Advisors.

Activities

- The activities of the Union begin with the **Oath taking ceremony**.
- The College Union promotes, coordinates and organizes activities targeting the holistic development of the students. Union conducts Annual Sports in association with the Dept. of Physical Education and Arts Festival in addition to other cultural programmes, seminars and awareness programmes.

Funding

The Union is funded by the amount collected from the students at the time of admission as per University rules. Additional financial assistance is provided by the PTA.

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

- **Students Grievance Redressal Cell** has two student representatives in it.
- **Student Coordination Committee** has three student representatives from the student organizations.
- **IQAC** has two student members.
- **Cell against Harassment of Women** has two student representatives.
- **Library committee** has student representatives
- **Department Associations, clubs and forums** are student-centric bodies under the supervision of staff coordinators.

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

The institution has strong and vibrant bonds with its alumni and former faculty.

- The former teachers have formed a Forum of Retired Teachers (FORT) which meets twice annually. Every newly retired teacher becomes a member of FORT.
- Former members on the faculty actively collaborate with their respective departments, visiting them often and occasionally delivering lectures.
- Several of the former faculty have instituted endowments to enhance student achievement.

- College Alumni Association has branched out to the Gulf countries and the US. The college hosts two alumni gatherings every year providing a common platform for the former students, former faculty of the college, and the present faculty.
- The alumni actively support the programmes of the college, and institute endowments.
- The alumni and former faculty are invited to every major programme of the college.
- Eminent alumni of the college are honoured by the college on their major achievements.
- The alumni and former faculty form a fount of support and encouragement for the progress of the institution.

Most Renowned Alumni

.	Name	Position
1	Prof. P. J. Kurian	Hon'ble Deputy Chairman, Rajya
2	Sri. T. K. A Nair IAS	Personal Secretary to the Prime
3	Justice P. D Rajan	Hon'ble Judge, Kerala High Court.
4.	Justice Mathews P.Mathew (Late)	Hon'ble Judge, Kerala High Court.
5.	P.N.Suresh,	Hon'ble Vice Chancellor, Kerala Kalamandalam
6	Sri. George Alexander,	Managing Director, Muthoot Group
7	Sri. Cherian Varghese	Former Chairman, Union Bank of
8	Sri. C. K. Balan	Deputy Director, Liquid Propulsion, ISRO,
9	Dr. Thomas Varghese	Scientist, NASA.
10	Sri.Udayakumar	Arjuna Award winner, Indian
11	Adv. Philipose Thomas	Former Member, Planning Board
12	Sri.Victor T. Thomas,	Former Chairman, SILK Board Kerala.
13	Smt. K. Chandrika	Mayor, Thiruvananthapuram.
14	Dr. Thomas Varghese	Oncologist, Lakeshore Hospital,
15	Sri. John Titus	CEO, Aero Controls, USA
16.	Rt. Rev. Dr. C.V. Mathew	Presiding Bishop of the Evangelical Church

Programme Calendar 2012-'13

4 June	Reopening.
16 June	Forestry Day by NSS.
25 June	Commemoration Day.
27 June	Induction programme of the freshers of the undergraduate courses.
29 June	Inauguration of the activities of the Women's Cell.
Ist week of July	Reading Week by English Association.
July	Orientation programme for First semester UG students.
13 July	Women's Cell- Interactive programme with Lt. Sini Thomas of the Air Force
17 July	Women's Cell Interactive programme with YUVA fame Dr. Jobin K Varghese
30 July	Brains Trust Interactive programme with Civil Service Exam State topper Rahul Nadh.
9 August	Nagasaki Day: Nagasaki Day / Peace Day by NSS.
10 August	Women's Cell- Cancer detection camp.
15 August	Independence Day.
16 August	Inauguration of the activities of English Association
17 August	Inauguration of the activities of Mathematics Association. Inauguration of the activities of Hindi Association Women's Cell class on Cancer Awareness
23 August	Onam celebration.
5 September	Teachers' Day.
5 - 6 September	UGC Sponsored National Seminar on Trauma Narratives of the Indian Subcontinent -- Postgraduate Department of English
5 - 6 September	Vedere . . . Ecris . . . Kasityo . . . Kino' exhibition cum sale of books, handicrafts, screening of films, short films and documentaries by the Department of English.
10-13 September	Orientation for Final year Degree students
14 September	Inauguration of the activities of NSS
14 - 16	NSS Orientation Camp.

September	
17 September	Sahapadikkoru Veedu: The handing over of the key of the house built by NSS
14 - 21 September	Hindi Week'
24 September	NSS Day
24 - 26 September	Photo Exhibition NSS with Malayala Manorama
29 September	Training of Palliative Care by NSS
19 November	Inauguration of Mar Thoma Students' Association
1 December	AIDS Day rally
4 December	Address by Smt. K. Rosakutty, Chairman, Vanitha Commission
6 December	Sensitization programme Centre for Women's Studies and Women's Cell
7 - 8 December	Brains Trust Two-day camp – Melior Futura
January	Literary competitions, Mathematics Association
January to March	Women's Cell classes for making ornaments, stitching and tailoring
15 January	HIV Awareness Class by NSS
11 February	Releasing of the college anthem
4 March	Entertainment programme by the Women's Cell
18 March	Farewell & valedictory - English Association

Programme Calendar 2011-12

June and July	Orientation Programme for final year
3 July	Field trip to PRDS Headquarters, Eraviperoor.
6 July	Inauguration of Physics Association.
8 July	Inauguration of English Association.
11 July.	Inauguration of Zoology Association.
15 July	Inauguration of Commerce Association.
18 July	Inauguration of Hindi Association.
19 July	Inauguration of Mathematics Association-Talk on Basic Science.

23 July	Orientation for freshers of SCM.
25 July	Inauguration of MTSA.
3 August	Inauguration of History Association.
5 August	Inauguration of Botany Association.
11 August	Inauguration of Malayalam Association.
12-13 August	NSS Orientation Camp
15 August	Independence Day Flag hoisting by NSS
24 August	Inauguration of Tourism Club.
27 August	Inauguration of Brains Trust
2 September	Onam Celebration
5 September	Teachers Day observed by NSS
15 September	International Peace Day observed by NSS
24 September	Interview with film director Blessey by NSS
26 Sept. -01 Oct.	Cleaning week by NSS
3 October	Training programme on Basic Life Supporting Techniques by NSS
14 October	Election to the College Union
3 November	Inauguration of Health and Fitness Centre
8 - 10 December	'Prabhavam' camp at Hosanna Mount, Edamattom by the Department of Malayalam
4 - 5 January	Two- day camp on 'For a Better Tomorrow' by NSS
4 January	Release of the documentary 'Pampayude Katha' by the Department of Hindi 7Day Orientation Camp by NSS at Konni. Cleaning Maramon Convention Nagar. Street play on the campus by NSS.
09 January	Women's Cell 2013 -'14 inauguration
25 January	Inauguration of the College Union and Arts Club

1 February	Counselling class for the students of the Department of Mathematics
2 February	Inter-department quiz competition by the Department of History
3 February	Tour for final year History students
9 February	Zonal Zoofest
24 February	Release of two manuscript magazines by the Department of English



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.?*

Vision

- To foster academic excellence, moral integrity and social commitment to young men and women.

Mission

- To mould intellectually well-trained young men and women by providing conducive academic environment.
- To equip the faculty and students to meet the challenges of modern trends in educational field by encouraging research and development.
- To provide quality higher education to the rural population in the eastern region of Central Travancore in Kerala.
- To impart sound Christian liberal education and to promote holistic development of individuals.
- To undertake community related research studies and extension programmes beneficial to the community.

The mission statement defines the distinctive character of the institution in societal, traditional and value orientation perspective. The Management began the institution with a missionary zeal to impart liberal education to the rural poor. Keeping pace with the changing times, the institution has tried to incorporate suitable changes in its mode of functioning so as to meet the challenges in the higher education scenario. Along with the existing courses the college addresses the needs of the society by introducing vocational programmes and add-on enrichment programmes. Value added education and programmes aimed at academic excellence through innovative teaching learning techniques are introduced in the institution. The institution gives

utmost importance to quality improvement of faculty through research and higher studies. Meritorious researchers are acknowledged by the Management. Special consideration for the economically backward and marginalized students from the eastern parts of Central Travancore is given priority in the admission process through well defined norms. Appointment of the faculty is on the basis of merit. This is evident from the fact that teachers are from different communities and religions.

Democratic and transparent governance and grievances redressal mechanism for teaching and non-teaching staff are special features of the administrative set up. The teacher-student relationship enriches the campus life and a harmonious relationship among the various stake holders are some of the distinctive characteristics of the institution. The needs of the advanced learners and slow learners are properly addressed through various programmes and measures ensuring the space for their growth. Utmost care is given by the Management to ensure adequate infrastructure for a conducive environment for effective teaching-learning and holistic development of the students.

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

Top Management

The Governing Council is the management body of the institution. The Manager is the President and the Principal is the Secretary of this 12-member council. An elected representative from the faculty and the Principal of a sister institution of the Mar Thoma Church are also included in the Governing body. The Council has a term of three consecutive years and there is a Treasurer for the Council. The Council advises the Manager in decision making for the functioning of the institution. The Council has different sub-committees, such as finance committee, construction/maintenance committee, staff discipline and grievance redressal committee etc. The functions of the Governing Council are:

- To advise the Manager on all matters of administration.
- To design broader policies for the successful functioning of the institution based on proposals put forward by other units and Departments.
- To monitor the functioning of the college.
- To ensure that college administration is done in conformity with the broad policies of the institution.
- To pass accounts and balance sheets and prepare budgets to raise and spend funds for the development of the college.

- To advise the Manager on disciplinary action on the staff.

Principal

Principal is the academic and administrative head of the institution and facilitates the overall development of the students and the faculty. He coordinates and supervises the curricular and co-curricular activities of the institution with the support of the faculty and the Staff Council. The Principal executes all the decisions taken by the Governing Council, Staff Council and all other committees. His other leadership functions include interaction with the stakeholders, motivating and guiding students and maintaining discipline.

Faculty

The Staff Council, IQAC, Department council and college staff meeting of teachers take a very significant role in the design and implementation of the quality policy of the institution. The Principal and the Staff Council monitor the curricular and co-curricular activities of the institution. Department councils take the necessary steps for the implementation. Through IQAC, faculty members participate in the design and implementation of the quality policy and plans. IQAC takes the initiatives for quality sustenance and enhancement. Different sub-committees of the faculty for curricular aspects, teaching learning and evaluation, infrastructure, research and consultancy, students support and progression and innovative practices have been constituted for making proposals and implementation of programmes ensuring quality.

6.1.3 What is the involvement of the leadership in ensuring: the policy statements and action plans for fulfilment of the stated mission; formulation of action plans for all operations and incorporation of the same into the institutional strategic plan, Interaction with stakeholders, Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders, Reinforcing the culture of excellence, Champion organizational change?

The institution prepares an action plan and budget for each year after discussion and input received from the Department Council, Staff Council, Governing Council, IQAC, Planning Board and staff meetings. Motivation to teaching and non-teaching staff at periodic intervals is given by the Management and Principal through staff meetings. Different committees and individuals are appointed in charge of the implementation of academic, co-curricular and administrative assignments. The effective functioning of the committees is reviewed from time to time by the Principal, Management and Staff Council.

The staff, Staff Council, Department Council, IQAC and Planning Board meet regularly and in a democratic and transparent manner. Finance committee and maintenance committee of the Management make recommendations and

prepare projects for the infrastructure development and maintenance of building, purchase and repair of furniture, equipments etc.

The different committees of the faculty which coordinate academic and co-curricular activities, propose projects, programmes and action plans for the welfare of the students. The PTA meets regularly at the department level as well as at the institutional level and receives suggestions for future growth and improvement.

The leadership of the institution takes utmost care in ensuring excellence in the design of the curriculum. Open courses are designed and selected to cater to the needs of the students from different walks of life. Systematic, student centred and innovative teaching learning techniques, continuous internal evaluation and review of internal and external evaluation are also done. Introduction of enrichment and add-on courses enable more opportunities for the students towards better career. Adequate infrastructure in tune with the changing needs is provided. The institution ensures student discipline and space for academic and co-curricular activities. Review of results is done by the Governing Council and remedial measures are taken.

The institution tries to strengthen the existing courses to its maximum by equipping our faculty, enhancement of infrastructure and by providing students accessibility to e-resources. In order to increase the career prospects of students, the institution is preparing to begin more vocational courses and enrichment programmes along with the traditional courses. Since the policy of the government is to give sanction for starting courses in the emerging areas in the self-financing stream, the Management has prepared a master plan for starting these courses. The institution is also exploring the possibility of getting autonomous status.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

The Principal and the Staff Council of the college conduct review meetings to monitor the curricular and co-curricular activities of the institution. The departmental level meetings of the faculty ensure the evaluation of plan of action and policies regarding syllabus completion, timely conduct of internal evaluation, review of internal and external examination results by the Staff Council and Governing Council, academic activities etc. Staff council meets at least once in a month and as and when required.

The Governing Council of the college regularly interacts with the faculty and administrative staff for the smooth conduct of all activities of the institution.

Internal Quality Assurance Cell (IQAC) is another body to oversee the internal monitoring of the academic programmes. It prepares formats for collection of bio- data from students, their feedback on the performance of the institution, feedback on teaching learning. IQAC also prepares formats for teacher

evaluation and student evaluation for the improvement of the institutional performance.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

The Management of the institution provide their wholehearted support by sanctioning leave to the faculty for their academic improvement like research leading to Ph.D, providing space and encouraging those who are guiding Ph.D students in our centres and elsewhere. Currently our faculty is supervising fourteen scholars registered at our college centres and sixteen of our teachers are research guides registered at centres in our college and at other centres. The Departments are encouraged to conduct national seminars in emerging areas in respective fields. Women teachers are sent to equip themselves in women studies and gender issues. It is praiseworthy to note that two 5-day residential workshops on ‘Capacity Building among Women Managers’, sponsored by the UGC, were organized by our institution. Teachers were encouraged to attend and present papers at the international and national level seminars. Research guides of our college produced four Ph. Ds by our teachers during the post accreditation period. Teachers were encouraged to participate in the workshop for syllabus revision organized by the Mahatma Gandhi University. Teachers were also encouraged to participate in exposure programmes like visits to high profile education institutions in India and abroad. An accredited interdisciplinary research journal ‘REYONO’ is published by our institution and the faculty serve as the editorial board. Teachers are encouraged to publish research articles through the journals.

6.1.6 How does the college groom leadership at various levels?

Subject Associations, NSS, NCC, Women’s Cell, Equal Opportunity Centre, Career guidance, Brains Trust, Eco club, Academic forum, Centre for Literary Studies, Tourism club, Discussion and Debate club etc. target at building leadership at student level. A student coordination committee and student council meet regularly to receive suggestions and grievances from students regarding conduct of co-curricular activities. Leadership training programmes for students are conducted every year to groom leadership qualities in students. Students are also encouraged in arts and sports activities and financial support is provided for participating in competitions.

Faculty level

The Principal, Staff Council and Governing Council constitute various committees and sub- committees for the efficient functioning of academic and co-curricular activities. There are Advisors to Student Council, College Magazine, Arts club, SCM, programme officers of NSS, ANO of NCC, Presidents of subject associations, Editors of Newsletter, journal, and faculty in IQAC, are some of them. The Management of the institution is particular in assigning at least one task in academic, co-curricular and extension activities to the faculty members.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

The Principal, Governing Council, Staff Council, IQAC, and Department Council constitute a decentralized system of governance. The institution ensures the involvement of all the faculty in the decision making process. Meetings of teachers at the college level, department level and sub-committees of IQAC discuss various areas of concern and bring suggestions and proposals for implementation. Decisions are taken at the appropriate level and implemented through departments and sub-committees. Major policy decisions which need concurrence are implemented after obtaining the approval of the Staff Council and the college Governing Council wherever necessary.

The Departments have the autonomy to assign the teaching work, to conduct add-on courses, to apply and convene national seminars/ workshops, to convene subject association meetings, meetings of parents and alumni, conduct tutorial, mentoring and the responsibility of internal assessment.

The activities of NSS, NCC, Brains Trust, Centre for Women Studies, Women's Cell and various clubs have the autonomy for conducting various programmes. The IQAC meets and discusses the feedback received from the stakeholders regarding the conduct of the institution. The analysis and the synthesis of the IQAC on various related issues are brought to the notice of the Principal, Staff Council and Governing Council. The IQAC also prepares year plan for ensuring quality in all its activities. The Staff Council conducts admissions to the college, ensures discipline of the students, promotes and implements curricular and co-curricular activities, conducts internal examinations, brings out the academic handbook and prospectus and reviews examination results through various sub-committees. The Manager and the Governing Council take policy decisions which are then implemented through the Principal.

6.1.8 Does the college promote a culture of participative *management*? If 'yes', indicate the levels of participative management.

Yes, the institution promotes democratic decentralized participatory governance at all levels through vertical and horizontal communication.

At the top level, a staff representative is included in the Governing Council of the college. At the intermediate level, through Staff Council, staff meeting, Planning Board and Purchase committee, the institution promotes participatory management. At the student level this is maintained through IQAC, student co-ordination meetings and other formal and informal interface with the Principal and faculty members. At the parental level, there is the Parent Teachers Association.

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?

The vision and mission of the college reveal the quality policy of the institution. These are attained through discussions at various levels. The thought was shared among the stakeholders and reviewed by an expert committee consisting of academic experts, environmentalists, financial experts, Manager and Principal along with the Treasurer appointed by the governing body of the institution.

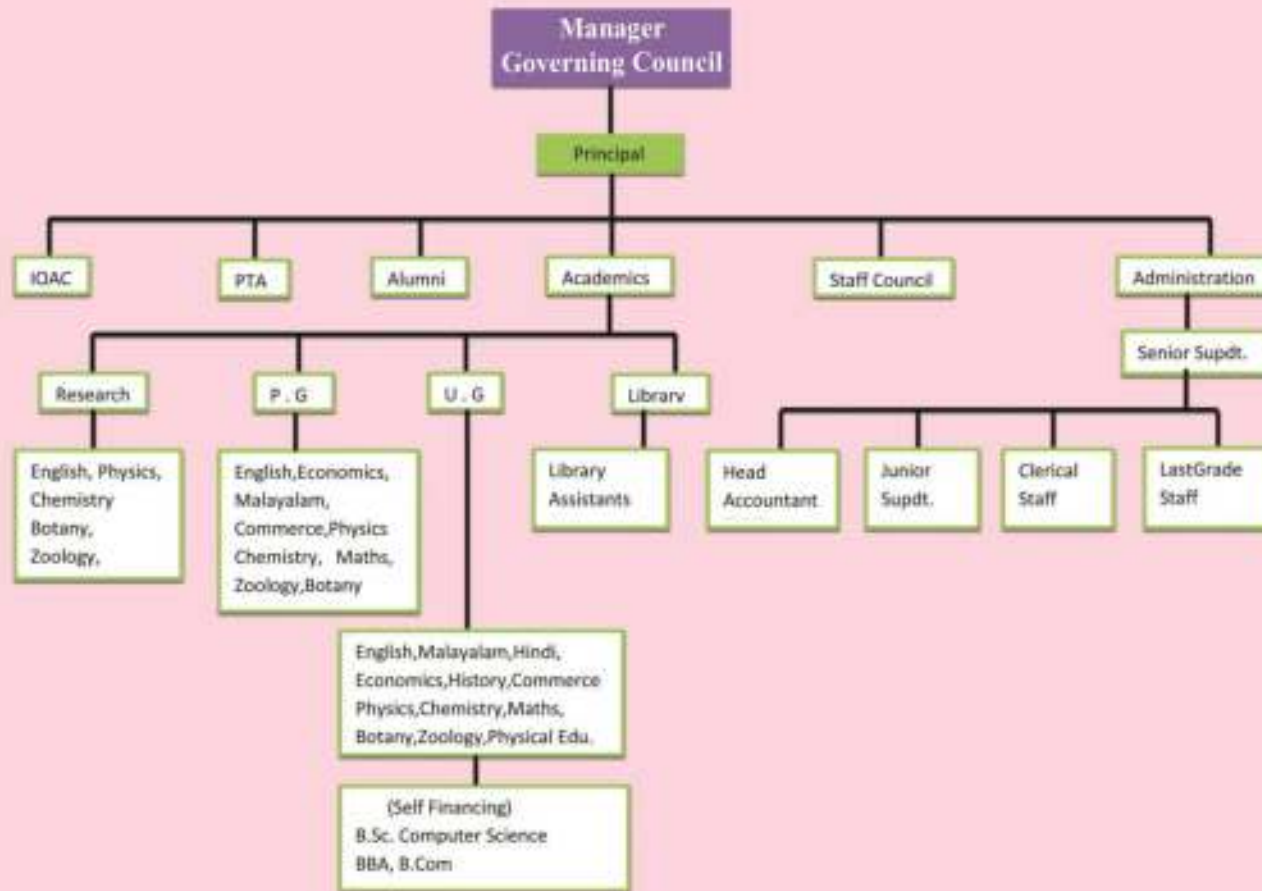
6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

At the beginning of each academic year the IQAC formulates the Year Plan so as to ensure, enhance and sustain quality in all levels. The institution reviews the implementation and its effectiveness at the end of the year and the subsequent Year Plan is formulated on the basis of this review. All the decisions target at improvement of academic performance of the institution. They include enhancement in the percentage of pass, employability, demand of the society, holistic development of the students and the promotion of secularist outlook. The college has a master plan for the next fifteen years. This includes construction of new buildings, new women's hostel, rain water harvesting, enhancement of library facilities, seminar rooms, lecture rooms, internet access and e-learning facility. The institution plans to start programmes aimed at employability and skill development. Thrust is also given to capacity building of faculty by granting permission to do research and extension activities.

6.2.3 Describe the internal organizational structure and decision making processes.

The organizational structure ensures smooth functioning of the institution. The Governing Council as the apex body formulates the academic and administrative policies keeping in tune with the mission and the vision of the college. The Principal, through the Staff Council, implements the decisions taken by the Governing Council. Internal Policies of the Institution are executed by the Principal in consultation with the Staff Council, IQAC, Department Staff Councils and general staff meeting.

Organization Chart



6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

Teaching & Learning

The institution focuses on student centred learning. More facility is provided for ICT enabled teaching-learning process. We take utmost care in the implementation of the curriculum.

Tutorial system and mentoring are provided to aid the teaching-learning process. In addition to traditional teaching methods, seminars, debates, group discussions, experiential learning, mind mapping *etc.* are conducted ensuring the participation of maximum number of students in the teaching and learning activity.

Research & Development

The Management is proactive in promoting research among the faculty by providing them opportunity to involve in research leading to Ph.D., leave to attend seminars etc. The institution is also planning to elevate the PG departments to research departments, promoting faculty to acquire research guidship in the university, motivating the teachers to apply for research projects funded by various funding agencies etc.

Community engagement

The institution has a lot of community development programmes included under the co-curricular activities enabling the quality enhancement of the students. The NCC, NSS, Department Associations give leadership to the community oriented activities. The various organizations working with the participation of students play a major role in the quality enhancement of the students. The Equal Opportunity Centre, Centre for Literary Studies, Career guidance and Counselling Centre, Women's Cell, Centre for Women Studies, Nature Club, Eco Club etc. are some of them.

Human resource management

In addition to the classroom teaching-learning process, teachers are assigned as Coordinators of various co-curricular activities, supervision of the discipline of the college, cultural and sports activities of students, counselling the students and assigned work in different committees based on their talents.

Industry interaction

We have no specific industry interaction other than yearly industrial visit conducted by the Departments of Chemistry and Commerce as part of their curriculum.

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 is the Secretary of the college Governing Council. He conducts and presides over the periodic meetings of the staff, college Staff council, IQAC, PTA, Alumni and non-teaching staff. The deliberations made in these

meetings and personal discussion with various stake holders are presented at the Management level and appropriate decisions are taken, implemented and reviewed by the Governing Council.

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 institution functions in a democratic and transparent manner and members of the faculty are assigned various tasks in the academic, co-curricular activities and discipline of students. Teaching and non-teaching staff are sent for various refresher courses and managerial tasks for the improvement of their functional effectiveness.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

The following decisions were made by the Governing Council and further actions were taken accordingly

- The Governing Council resolved to appoint the following teachers as Heads of Departments w.e.f. the dates noted against their names on the basis of seniority, consequent on the retirement of the present Heads of Departments:

Prof. Dr. Moncy V. John- Physics w.e.f. 01.04.2013

Prof. Pushpa Annie Abraham - Commerce w.e.f. 01.04.2013

Prof. Dr. Joseph John K. - Zoology w.e.f. 01.04.2013

Prof. Dr. Annie J. Mathew - Botany w.e.f. 01.04.2013

Prof. Thomas Daniel - History & Politics w.e.f. 01.06.

Prof. Dr. Anne Susan Koshy - English w.e.f. 01.06.2013

It is further resolved that stock verification of all Science Laboratories is to be taken before 16 April 2013.

- After detailed discussion, the Governing Council resolved to take necessary action for starting the B.Com. Model I Additional batch and BBA Courses (self-financing stream) during the next academic year 2013-14, and separate affiliation from the Mahatma Gandhi University is to be obtained for these two courses. Required University fee is to be remitted.
- Further resolved that starting of M.A. Malayalam Course shall be kept pending.
- Professor in-charge of Principal and the Treasurer were authorized to initiate follow-up action in this regard including providing infrastructure, classrooms and faculty.
- The Governing Council resolved that the accounts of the Common Computer Facility and the English Language Lab for the financial year 2012-13 shall be presented in the next meeting of the Governing Council.

- The Governing Council resolved that Sri. Daniel Thomas, Junior Superintendent be promoted as Senior Superintendent w.e.f. 01.06.2013 in the place of Sri. A.S. Joseph, and to effect other due promotions accordingly.
- Resolved to hold the next meeting of the Governing Council at 4:00 p.m. on Wednesday, 17 April 2013, followed by farewell meeting to retiring Principal Prof. Alexander K. Samuel, the teachers and non-teaching staff. Prof. Alexander K. Samuel shall be invited as special invitee for the first session of the meeting at 4 p.m.
- The Accounts of Common Computer Facility and the Short Term Communicative English Course by the Department of English for the financial year 2012-13 were presented. Resolved to approve the accounts.
- It was further decided that additional iron crossbars for the windows of the Common Computer Facility Room be provided, as requested, to ensure safety.
- The unaudited accounts of the College for the year 2012-13 were presented.
- After discussion, resolved to approve the accounts presented; and also to approve the items if expenditures exceeded the budget provisions.
- The Governing Council resolved that the Manager shall authorize the Professor in-charge of Principal to execute the required Agreement with the Government for starting Self Financing Courses in B.Com. Model I (Additional batch) and BBA during 2013-14, after obtaining necessary legal consultation in this regard.
- After discussion, the Governing Council resolved that new Aided Course in M.A. Malayalam shall be applied for by renewing the old application submitted and remitting the late fee.
- The Treasurer reported that the total expenses for the Zoology Museum renovation work was limited to Rs. 89,000/- against the sanctioned amount of Rs. 1 lakh (Ref. R.No. 25-03-2013).
- After discussion, it was resolved by the Governing Council that the vacancies in Commerce and Economics be filled w.e.f. 01.06.2013 from the existing valid rank lists, after obtaining prior permission from the Government in this regard.
- Prof. Jolly Anne Thomas, Professor in-Charge of Principal presented the letter from the UGC SWRO, Bangalore regarding the Proforma to be submitted pertaining to the proposals of our college, and reported that as directed by the Manager Thirumeni, a joint meeting of the Planning Board members and Heads of Departments would be held on 25 April 2013.

- The Heads of Departments were authorized to prepare their proposals for PG and UG grants during 12th Plan Period. A detailed discussion on the 12th Plan Proposals shall be held later.
- Resolved to sanction the request from the Librarian to provide net protection to Library windows.
- The Governing Council resolved to accept the following recommendations of the Jubilee Committee meeting held on 25.06.2013 and to take necessary action for implementing those recommendations :

Jubilee Projects

- Solar Energy System for the college.
- Bio-Gas Plant.
- Self Financing Block - Foundation stone blessing shall be made by His Grace the Metropolitan at the Commemoration Day Celebrations on 2 July 2013.
- Academic Programmes : Starting of B.B.A., B.Com. Model I, M.A. Malayalam and M.Sc. Computer Science under Self-Financing Stream.
- Action shall be initiated for starting UG Travel & Tourism Course next year ie 2014-15.
- Jubilee Celebration Programmes :Inauguration in September 2013.
- Each Department shall conduct one seminar as part of the programme.
- Volleyball Tournament
- Diamond Jubilee Souvenir.
- Valedictory function in February 2014.
- Sub-Committees : Chairpersons of Sub-Committees shall be members of the Governing Council and Conveners and members shall be from the Staff.
 - Programme Committee Chairman - Sri. George Kunnappuzha
 - Finance Committee Chairman - Sri. C. Cherian (Treasurer)
 - Souvenir Committee Chairman - Egr. Roy Abraham Mammen
 - Publicity Committee Chairman - Prof. Thomas Alex.
- The Governing Council further resolved to nominate Prof. Dr. Mammen Zachariah as the General Convener of the Diamond Jubilee Programmes, and Sri. Thomas Mathew (Benny Puthenparampil) as the Chairman of the Reception Committee.
- After detailed discussion, the Governing Council resolved to invite applications from eligible candidates for the faculty for B.B.A, B.Com Model I and M.A. Malayalam (self-financing), and authorized the Principal to take necessary action in this regard.
- The Principal and Treasurer were entrusted to arrange and prepare classrooms required for starting the sanctioned Self-Financing Courses during 2013-14.

- The Governing Council resolved to accept the following recommendations of the joint meeting of the Finance Committee and Construction/Maintenance Committee held on 25.06.2013. The Plan and Estimate of the proposed Self-Financing Block were accepted.
- The Building Proposals submitted under the UGC XII Plan Period were accepted.
- The present campus road from the main entrance to Commerce Dept. shall be properly maintained and interlock tiles are to be laid from main gate to the auditorium. The Gate-keeper's room shall be shifted to a more convenient place.
- Sign boards and car parking facilities are to be provided in the campus. The Site Map presented was reviewed and accepted.
- Public Address System - balance of the UGC Grant is to be utilized.
- Staff requirement for Management: 2 persons qualified in M.Com. or MBA shall be appointed as teachers for the BBA & B.Com courses.
- One Clerical staff with computer knowledge shall be appointed on contract basis.
- One Last Grade Staff having the skill to drive two-wheelers shall also be appointed.
- It was resolved by the Governing Council that the new Self-Financing Block shall be named "Dr. JOSEPH MAR THOMA BLOCK".
- The Governing Council resolved to ratify the action taken by the Principal for the marginal increase of seats in M.Sc. Physics, M.Sc. Zoology and M.Com. during 2013-14, and to remit the prescribed fee of Rs. 500/- for each course.
- The Governing Council resolved to accept the recommendations of the Enquiry Commission and authorized the Principal to take all steps for getting the appointment of Smt. Jincy T. George, FDP Substitute Lecturer in Malayalam w.e.f. 07.06.2012 regularized/approved without further delay.
- Santhom Global Alumni Meet : Principal gave a briefing on the 2-day Programme hosted by the Dubai-Sharjah-Northern Emirates Alumni Chapter, scheduled to be held on 9 & 10 August 2013. The schedule of the programme was accepted by the Governing Council.
- The Governing Council resolved to refer the request for enhancement of salary of the teaching staff of B.Sc. Computer Science, to the Finance Committee for its detailed study and recommendations.
- The Governing Council resolved to accept the request the English department and sanction an amount of Rs. 75,000/- being the advance for conducting the 2-Day Seminar, which should be refunded on receipt of the first installment of the UGC Grant.
- The Governing Council resolved to grant the requested extension of Ninu Thomas, Department of Zoology for completing the research leading to Ph.D under UGC FDP.

- The Governing Council resolved to appoint Smt. Bettymol Elizabeth Thampi, Rank No. 2 on the rank list prepared by the Selection Committee held on 17.10.2012 valid for one year, against the retirement vacancy of Prof. T. Varughese Panicker, Head of the Dept. subject to the approval of the University/Govt.
- After discussions on the accounts presented, the Governing Council resolved to approve and pass the audited Statement of Accounts of the College for the year ended 31 March 2013.
- Discussions were made on the presented Budget, and it was resolved to approve and pass the Budget of the College for the year 2013-14.
- The internal audited account of the college for the period from April 2013 to June 2013 was presented, and it was recorded.
- **Diamond Jubilee Projects :**
 - a) Solar PV (Photo Voltaic) Installation : After studying the three quotations received, resolved to accept the quotation from M/s, AICA Engineering (off GRID) for an amount of Rs.9,50,000/- and the Treasurer was authorized to deal with the firm for completion of its installation at the earliest.
 - b) Lightning Arrester : Resolved to take action for setting up Lightning Arrester in consultation with M/s. KELTRON. Treasurer was authorized to take follow-up action including invitation of quotations for the same.
 - c) Bio-gas Plant: Two Bio-gas Plants are to be installed – one in the new Women's Hostel and the other in a central place in the College.
- The Governing Council resolved to take necessary action for submission of the LOI of the college to the NAAC at the earliest possibility.
- After discussions, the Governing Council resolved that required staff shall be allotted after selection of Non-teaching staff for which applications were invited already and Govt. concurrence for the same is awaited, and no temporary staff is to be appointed.
- The Governing Council resolved to grant permission to conduct the 104th Session of the Mar Thoma Students' Conference from 28 to 31 May 2014 at this College.
- The Governing Council considered the request of Mr. Libus Jacob George and resolved to give permission to avail UGC-FDP and leave to complete the mandatory Course Work for the Research.
- A committee consisting of the Principal, Treasurer, Dr. Mammen Zachariah and the Hostel Warden was entrusted to advertise for a new Warden for the hostel.

- UGC aided Add-on Course in Computer Assembling and Maintenance”IN physics department .
- It was resolved to construct two more rooms on the terrace of the Administrative Block in addition to the three rooms being constructed now.
- Principal reported that :
 - a. Smt. Anju Sara Varughese, M.Com. Final Year 2012-13 has secured Third Rank in the M.Com. Degree Examination 2013.
 - b. The NSS Unit of our college has been selected as the Best Unit under the University during 2012-13.
 - c. Prof. Libus Jacob Abraham has been selected as the Best Programme Officer, and Sri. Vishnu K.A. as the best NSS Volunteer of MG University 2012-13.
- The Governing Council expressed its appreciation and congratulated the above persons on their achievements.
- Appointment of HoDs and transfer of charge : Resolved to appoint the following teachers as Heads of Departments against the retirement vacancies on the basis of seniority-cum-fitness. Their appointments will be brought to effect only after an interview with His Grace, the Metropolitan.
 - Prof. Dr. Saramma Varughese – Dept. of Malayalam.
 - Dr. Sheena Eapen -Dept. of Hindi w.e.f. 01.06.2014.
 - Prof. Jesso Annie Mathew - Dept. of Physics w.e.f. 01.06.2014.
 - Dr. Varughese Antony – Dept. of Commerce.
 - Dr. Viju Susan Mathew – Dept. of Chemistry w.e.f. 01.04.2014.
- Appointment of administrative staff - Office & Library : As there is shortage of required staff in the College Office and the General Library for smooth functioning, one clerical staff and one library assistant shall be appointed immediately under Management, and the retired/retiring persons may be contacted in this regard. The Treasurer and the Principal were authorized to find out suitable candidates and negotiate salary with them.
- Starting of M.A. Malayalam Course : As the Course is already sanctioned by the Govt. as Aided Course, necessary action shall be taken for its commencement during the next academic year (2014-15), and the Principal was authorized to correspond with the Government/University accordingly.
- Starting of M.Sc. Computer Science (Self-financing): Since the University has recommended the Course to the Government, necessary follow-up

- action with the Govt. is to be taken for obtaining Govt. NOC, and the Principal was authorized to take necessary action.
- Increase of seats for B.B.A. & B.Com. (Self –Financing) Courses : Decided that the present strength of BBA (32) need not be changed. However, the strength of B.Com. Model I shall be increased from 32 to 50 and request for the same may be submitted accordingly.
 - Letter from Dept. of Hindi regarding regularization of B.A. Hindi Course : As the B.A. Hindi Main Course is still continuing as a conditional Course, early action may be taken to get the course regularized by the Government/University, and the Principal was authorized to submit the request for the same.
 - Letter from Dr. Varughese Philip for continuing as Research Guide: Even though Dr. Varughese Philip is retiring on 31.05.2014, he may be allowed to continue as Research Guide since a teacher fellow is doing research under his guidance in the Research Department of Chemistry.
 - A new Matron and Cook shall be advertised for and selected and appointed at the earliest. The Maintenance Fee, electricity and water charges and one month's Mess Advance (as caution Deposit) for a year shall be collected in lump sum at the time of admission of inmates in the Hostel/starting of the academic year.
 - The Governing Council resolved to accept with thanks the Endowment amount of Rs.10,000/- from Prof. Elizabeth M. Ninan and the Principal was authorized to take necessary further action for instituting the Endowment as per the above terms and conditions. A letter of thanks shall be given by the Principal to the donor.
 - The Governing Council authorized the Principal and the Treasurer to appoint an electrician and a mechanic under the Management.

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?*

Mahatma Gandhi University, Kottayam has no provision for providing autonomous status to affiliating colleges. The Government of Kerala takes initiatives to give autonomy to selected colleges and the same is underway.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?

The institution has a grievance redressal mechanism for attempting and resolving the grievances of students and employees. The mechanism formed by the top management consists of the Manager, Principal and Governing Council members

resolve every issue which hampers the smooth functioning of the institution at the staff level. Staff council of the institution has constituted another mechanism consisting of the Principal, HoDs and Staff Council members to attempt and resolve grievances if any in the matter of internal evaluation, incidents of ragging, institutional performance etc. Recommendations are implemented on the basis of the enquiry sittings by the committee.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute ? Provide details on the issues and decisions of the courts on these?

Yes. One case has been filed by the Management before the honourable High Court of Kerala to enable the smooth functioning of the institution with the right academic ambience. The need arose when the effective working days of the institution were stalled by student unrest. The Management took the decision to approach the honourable High court to give direction to the Police authorities to maintain the peaceful environment on the campus for the smooth conduct of the academic exercise and the prayer was accepted and verdict was issued.

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?

The institution has its own mechanism for analysing feedback in order to enhance the quality of institutional performance. Each year students are given opportunity to provide confidential feedback on various aspects such as infrastructural facilities, academics and administration, library facility, co-curricular activities, and overall experience as a student based on a standardized questionnaire. The institution responds positively to robust criticism and improvements are made after discussion with concerned authorities.

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 institution arranges orientation programmes, seminars, workshops and invited talks for the benefit of the faculty members. Programmes aimed at effective management and office administration were conducted for non-teaching staff.

The Management encourages the Departments and faculty members to engage in academic research and publication, avail of FIP/FDP leading to Ph.D , minor and major research project works, paper presentations, collaborative research, consultancy and extension activities. To familiarize the new curriculum and its transaction, the institution deposes faculty members to

various workshops organized by the government, university, academic boards & research institutes.

One faculty member participated twice in the HR training programme conducted by the department of personnel training, Government of India. Another member participated in the lecture course conducted by Cambridge Faraday Institute on science and religion, London. Several members of the faculty presented papers in international conferences in the country and abroad. A few female faculty members have undergone training on Capacity Building of Women Managers organized by the UGC and other academic bodies.

To facilitate student support activities, the institution deposes faculty members to various training programmes. The institution deposes a team of faculty members every year to the workshops organized by the Mar Thoma Higher Education Council.

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?

Faculty members are informed of the proposals for various empowerment programmes conducted by different agencies. Applications from the interested teachers are scrutinized by a selection committee comprising of the members of the Staff Council. Seniority and availability of teachers are the criteria for selection. Permission has been granted to all the incumbents to undergo training.

Since the last accreditation 13 members of the faculty were deputed to take part in various training programmes at academic staff colleges, LBSNAA, Mussoorie, and other training institutes in India and abroad.

List of members participated

Name of the faculty	Programme attended
Dr. Nelson P. Abraham	Training on Science for rural societies, Training on Direct Trainer Skills, Design of Training, Leadership and Management at LBSNAA, Mussoorie. Training in Soft skills at ASC, University of Kerala.
Prof. K.C. Zachariah	Training on Primer in management training at LBSNAA, Mussoorie.
Dr. Asha Susan Jacob	Training in Soft skills at ASC, University of Kerala Capacity building initiatives for Women Managers (3 programmes)

Dr. Sheena Eapen	Capacity building initiatives for Women Managers
Dr. George K. Alex	Dalit upliftment initiatives Refresher and orientation at TOC, Kalamaserry.
Libus Jacob Abraham	Orientation and refresher course at TOC, Kalamassery
Tom Thomas	Orientation and refresher course at TOC, Kalamassery
Dr. Thomas John	Hands-on Training of Scientific Instrumentation
Dr Elizabeth Thomas	Hands-on Training of Scientific Instrumentation
Dr. Jinsu Varghese	Hands-on Training of Scientific Instrumentation National training workshop on immunological techniques at Lady Doak Memorial College, Madurai.
Annie George	Orientation and refresher course at TOC, Kalamassery
Mr. P.P. Achankunju	SPARK training
Mr.Daniel Thomas	SPARK training

Besides this, permission has also been granted to the staff to take part in short term courses, workshops on curriculum development/revision/ transaction etc. Furthermore the institution has organized programmes and conducted invited talks to motivate and train teachers, to make them more capable and efficient.

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.

A faculty profile is prepared by each faculty member as directed by the IQAC. 'Self-appraisal' in the UGC format is given to teaching faculty and is prepared and submitted to the IQAC. As part of the performance evaluation, department meetings, Staff Council and the college Governing Council evaluate the syllabus target achieved, conduct of internal evaluation, timely publication of internal examination results etc. by the teacher. Student evaluation of teachers is also prepared. Staff Matters Committee monitor the performance of the non-teaching staff and the report is evaluated by the Governing Council and Grievance Redressal Committee if necessary.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

Feedback received from various stakeholders are reviewed thoroughly by the Management. Implementation of remedial measures is done through the

Principal by directly communicating the matter to the teacher/non-teaching staff concerned.

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?

Our college has an Employees Co - operative Society and a Co-operative Store run by the staff members. Members can avail advances in the form of short term and long term loans. Mutual fund facility is also provided. Dividend for the shares taken is distributed annually. An annual general body meeting of the members of the Society is conducted to intimate the progress of the Society. Wards of the members are felicitated and given merit awards for their performance in examination. The other benefits include Group Insurance, State Life Insurance, Festival Allowance/ Advance, etc. Under the non-pecuniary benefits, Maternity Leave, Leave for Study Purpose and Special Casual Leave for differently-abled staff are provided. Hostel facilities are provided for lady teachers in the ladies' hostel. Accommodation for temporary stays is available in the college for male teachers. Canteen facilities and recreational facilities are provided. A gymnasium is functioning in the college. A Health Centre is also functioning in the college. 80 percentage of the staff avail the benefits of schemes in the college.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

Our institution maintains a transparent recruitment mechanism for the faculty. The appointments are done strictly as per the government and university norms. Merit and performance is evaluated without fail by the selection committee. Our transparency in appointments attracts more talents into our college. Six Departments of the college are Research Centres. Eminent faculty retired from active service are invited to the college and facilities for pursuing research are provided in the Centres. They are allowed to register as research guides at our centres and all infrastructure facilities are provided.

Name of Eminent Faculty	Research Department
Dr. M.T. Simon	Physics
Dr. Shaji Varghese	Physics
Dr. Moncy V. John	Physics
Dr. Varghese Philip	Chemistry

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

The Governing Council, Staff Council, IQAC and the Planning Board of the college meet periodically to discuss the needs of the Departments. The funds from the UGC are apportioned by the Planning Board as per the needs and the

allocation for the respective departments under UG and PG grants. Funds for the infrastructural facilities are expended by the management office under the direct supervision of the Treasurer and Principal. The expenditure incurred during the year are audited by the auditor appointed by the Management and government audit is conducted for the expenditures from the UGC and other governmental agencies.

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.

The College has an efficient and transparent mechanism for management of the financial resources. Annual audit for the internal resource mobilized is conducted through qualified auditors appointed by the Management. It is presented before the Governing Council for approval before and after Internal Audit. Books of accounts are audited annually and sent to the Mar Thoma Sabha Mandalam for approval. The auditor's report is discussed in the Governing Council and their suggestions for improvement are implemented. Accounts of the Funds received other than management contributions are prepared in the College office and audited as per the norms of the UGC, Government and University. The external audit of the funds from the Government is done by a Government auditor appointed by the Department of Collegiate Education and Accountant General's Office. The funds received from the UGC are properly utilized and utilization certificate along with the audited accounts prepared by a Chartered Accountant are sent to the UGC. Last Audit was done during 2013-14.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

Major source of funding for the institution is from the UGC. At the time of admissions, financial support from the parents is requested by the Parent Teacher Association to cater to the expenses usually met by this Association. The Management foots the power and electricity bills from their source pooled by church laities. Contributions from well-wishers and alumni for specific objectives are also accepted.

Sources of Funds

Sl.No	Items	2010-11	2011-12	2012-13	2013-14
1	Development fund	2913750	3512500	3190040	4302500
2	Diamond Jubilee fund	-----	----	-----	741000
3	Hostel	922920	1202105	1872520	2476215

4	Self-financing Course	2877250	2789700	3104950	5017150
5	Interest on Endowment	62843	64975	71043	72932
6	Attestation	8360	8425	9595	6025
7	Donation-Dhyanakendram	268692	1779062	1360169	-----
10	PTA	3,70,677	9,87,615	10,3,164	9,49,932
	Other Sources	426720	351492	291532	763314

Grants from UGC during XI Plan

Sl No	Items	Amount Received (Rs.)
1	Plan Fund	1,89,70,390
2	UGC Additional Assistance	45,00,000
3	UGC Add-on courses	22,30,000
4	UGC Merged Schemes	2330394
5	Infrastructure grant to NAAC accredited colleges	10,00,000
6	DST FIST	62,90,000
7	Funded Major projects (DST and ISRO)	2,50,90,067
8	UGC - Minor Projects	23,98,000

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

Matching grants from UGC were received by applying for the same under various schemes. Teachers and non-teaching staff contribute towards the infrastructural facility which is not covered under the grant-in aid programme of UGC and on the event of insufficiency of grants. Alumni around the globe give generous contributions to the college. It was with such funds that the construction of the Dhyanakendram, Fitness Centre, Ladies' Hostel etc. were completed during the years as given in table 6.4.3.

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?

Yes. The IQAC is constituted as per the NAAC norms for academic planning, monitoring and evaluation and necessary corrections with respect to quality assurance. The core committee is supported by steering committees for each criterion under the NAAC. It looks after various quality assurance activities in teaching learning and administration. Institutional policies with regard to quality assurance are as follows:

1. Parent teacher interactions in the respective Departments provide ample scope for critical evaluation of teaching learning practices.
2. Tutorial system consisting of 20 students and a mentor serves as a means for quality enhancement.
3. Research committee evaluated the progress of research activities in the institution and necessary recommendations were made by the committee for quality enhancement.
4. Annual report of the academic activities is submitted to the Governing Council, University, Higher Education Council and Government.
5. Students Coordination Committee is constituted to assess and monitor the needs of the students and suggest alternatives for better results, to coordinate co-curricular activities and address student grievances. It acts as a medium for getting student feedback on institutional atmosphere.
6. Department Associations conduct various programmes for kindling the innate talents of the students. Involvement of staff members are assured in these activities.
7. Teachers are encouraged to participate in various seminars for quality improvement.
8. Quality improvement seminars and workshops are organized by the institution for the benefit of the faculty.

Innovative and result oriented activities evolved from Departments are transferred as an institutional policy to benefit the institution. The talents identified from Departments and other general activities are encouraged to participate in various inter-collegiate competitions. The efforts made by the IQAC, Planning Board, Department Council and Staff Council help to improve the infrastructure with respect to ICT and fulfil the activity plan for the respective academic year. NAAC suggestions were given priority in the year plans and properly implemented.

- b. How many decisions of the IQAC have been approved by the management/ authorities for implementation and how many of them were actually implemented?

Decisions made by the IQAC regarding teaching learning and evaluation were submitted to the Staff Council and the Governing Council. These suggestions were accepted and implemented by the college authorities.

Sl. No	Decisions of IQAC	Status/Outcome
1	Language Laboratory	Implemented
2	Rain water harvesting	Implemented
3	Solar power Plant	Implemented
4	Zero waste campus	Partially implemented
5	Indoor stadium	Under process
6	National Seminars	Implemented
7	Office automation	Implemented
8	Refurbishment of building	Implemented
9.	UGC funded Add-on courses	Partially implemented
10	Digital Theatre	Under process
11	New Women's Hostel	Implemented
12	Renovation of old block	Under process
13	Drinking water facility	Implemented
14	Student Insurance	Implemented
15	Accredited peer reviewed Journal	Implemented
16	Inter institutional initiatives	Implemented
17	Capacity building programmes	Implemented
18	Human Rights initiatives	Under process
19	ICT equipment to all departments	Implemented
20	Computer literacy drive	Implemented
21	Communicative English Programme	Implemented
22	Submission of LOI	Implemented
23	Submission of SSR	Under process

- c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

Yes. The suggestions made by the members through their experience and world view were implemented viz. Installation of Solar Photovoltaic system, Synthetic track.

- d. How do students and alumni contribute to the effective functioning of the IQAC?

Students are actively involved in the quality assurance activities through IQAC as members of the committee. Student coordination committee give necessary suggestions to the IQAC regarding the implementation of the annual plan. Feedback on teaching methods and teacher evaluation is conducted periodically as an evaluation measure. Exit questionnaires are administered to the outgoing students to fetch their evaluation about the institution, teachers, the Principal and the administrative staff. Alumni meetings are periodically conducted in an institutional manner as well as at the Department level. The recommendations of the same are included in the plans made by the IQAC. They contribute towards the infrastructural development of the institution.

- d. How does the IQAC communicate and engage staff from different constituents of the institution?

The IQAC consists of members from all constituents of the institution -- academic, administration, students, PTA and alumni. Meetings of the IQAC are communicated through letters from the office. It executes different programmes through various committees headed by sub-committee convenors, in different areas such as curricular aspects, teaching learning evaluation, student support and progression, infrastructure and learning resources, research, consultancy and extension activities, governance and leadership and innovative practices of the institution.

- 6.5.2** Does the institution have an integrated framework for Quality assurance of the *academic and administrative activities*? If 'yes', give details on its operationalisation.

Yes. In academics, we have a centralized internal assessment and examination system. The marks of the internal examinations are communicated to the students and parents through meetings and quality assessments are conducted. Slow learners are identified and remedial coaching is provided to them. NET coaching, Entry level coaching, personality development courses, common computer courses, Common English Course for Communication, and motivation classes are arranged under different committees of the institution.

In administration level, the service details and salary bills of all the staff are computerized enabling easy and fast retrieval. Disbursement of salary has been made through bank. Attendance and other personal details of the students are also computerized for immediate attention to the students.

6.5.3 Does the institution provide training to its staff for effective implementation of the *Quality assurance procedures*? If 'yes', give details enumerating its impact.

Yes. Quality management parameters like SPARK, Exam Portal, INFLIBNET, SOUL in ICT are implemented in the college administrative office for salary disbursement and student affairs from admission procedures onwards. Internal evaluation and uploading of the same to the university reduces labour and time for the publishing of results. The training achieved by the faculty gained them access to modern techniques of e-learning, virtual practicals, modern business programmes, Latex, SPSS, RASMOL etc. This provided the students a new platform of learning techniques and enabled their exposure to new developments in learning techniques.

6.5.4 Does the institution undertake Academic Audit or other external review of the *academic provisions*? If 'yes', how are the outcomes used to improve the institutional activities?

Yes. Academic audit is conducted by the Department Council at the end of each academic year and results are analysed for better imparting of the curriculum to the students wherever necessary. The decisions of the Department Council are submitted to the Governing Council. They provide sanctions for the infrastructural facilities and for the betterment of the existing facilities. Other than internal audit, external experts visit the college and departments to review the performance of the departments. The suggestions they provide for quality enhancement are always welcomed. The best practices observed by the team and NAAC committees are continued and their suggestions for improvement are implemented from time to time.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

The internal quality assurance mechanism adopts the methods of the external quality assurance as per the guidelines of the NAAC. The Departments make their documentation and chart activities according to the guidelines of the NAAC. Evaluative comments on these are made by the assessing agency appointed by the institution which contains the members of the NAAC peer team and convenors of the IQAC appointed by the Governing Council of the institution.

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 teaching learning process is reviewed at three levels.

1. Department council meetings are convened monthly to review the progress of the assigned syllabi to each faculty and the scores obtained in internal evaluation and external evaluations are discussed. Corrective suggestions are pooled in the meetings and are implemented for better results.

2. Staff Council meetings are convened especially for the review of the internal examination results. All teachers have to submit their score sheets to the HoD before the commencement of the meeting. During the meeting, results of each Department are discussed and comparisons with the external results are made. Deliberations during the meetings are implemented at institution level for betterment of the teaching learning process.
3. Parent Teacher meetings are convened at the Department level to analyse the results of their wards. The modifications in the teaching learning process are conveyed to the parents and their suggestions and complaints, if any, are also taken into consideration by the teachers. Necessary directions are given to the students and parents for the improvement of the student. With the adoption of this mechanism, the improvement in results was clearly visible in the institution. We are planning to extend this system to the Postgraduate classes also.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The Principal convenes the meeting of students and parents as well as staff meeting at the reopening of the institution after vacations and starting of the semesters for each course. During the meeting he announces and updates the quality policy on various matters concerned with the institution. Regular announcements through public address system, notices read in class rooms are other mechanisms of communication of the quality policy.



CRITERIA VII

INNOVATIONS AND BEST PRACTICES

7.1 Environmental Consciousness

7.1.1 *Does the institute conduct a Green Audit of its campus and facilities?*

In tune with the growing global awareness of ecological issues, the college has taken a major initiative in making the campus green and eco-friendly. As part of the campaign, a thorough study of the ecological impact made by the functioning of the college has been analysed. The college has now a partnership initiative with the Tropical Institute of Ecological Sciences, Kottayam, a non-governmental organisation who are pioneers in the field of social and ecological studies, community extension and development projects in Kerala. An M.o.U. has been signed by the college and this institute as part of the College-NGO Partnership Initiative (CNPI). A batch of 60 students take part in the programme as volunteers. The first phase of programmes includes

- (1) Energy Audit and conservation programmes of the college.
- (2) Water Audit and conservation of the college.

7.1.2 *What are the initiatives taken by the college to make the campus eco-friendly?*

A major activity of the college community during the second post-accreditation period has been the study of ecological issues, in and around the campus and the carbon sequestration programmes.

Activities during the period are:

1. Beautification and plantation on the campus itself, as a result of which the campus has regained its former greenery and beauty. Teachers testify that this has made a great impact on the attitude of students, both in their environmental awareness and in their academic performance.
2. Energy-saving projects. The total consumption of electricity on the campus was given thorough monitoring and overhauling. The old wiring in many buildings was replaced, using energy conserving tactics and designs. As a result, the electricity bill in the college has sharply declined.
3. A 10 KW solar energy power plant was installed reducing the power consumption by 30 units per day.
4. Many of the buildings in the college were given additional roofing (canopies) with the intention of reducing excessive heat during summer and preventing leakage during the rainy season.
5. Rain water harvesting, on renovation of the existing water tank (which incurred an expense of Rs 5 lakhs), in the prime location of the college

achieved its twin objectives: (A) that of providing water for use in the college premises and hostel rooms without pumping and thus conserving energy and (B) making water available in the campus where water was scanty during summer.

6. Three wells in the campus were cleaned and made functional during this period. The present uninterrupted drinking water supply through separate taps at five locations on the campus has been made possible by these measures.
7. Quality of water. The Department of Zoology has made concerted efforts to ensure water quality, not only on the campus, but in the surrounding villages as well. These efforts gained wide attention and appreciation in the media and among the public.
8. A 'Public Facility Laboratory' to carry out soil and water quality tests was opened in the college under the auspices of the Department of Zoology. The public, agencies and researchers make good use of this facility. Accredited as Type B Laboratory by the Kerala State Pollution Control Board, the laboratory aims at upgrading itself into a nodal centre for environmental pollution studies.
9. Medicinal Plants Demonstration Garden. A sum of Rs. 1,50,000/- was granted by the Kerala State Medicinal Plant Board to the Department of Botany for improving the existing medicinal garden and converting it to a 'District Medicinal Plants Demonstration Garden'. The project is now functioning at full swing.
10. The Documentary film titled 'Pampayude Katha' (The Story of River Pampa): Another notable initiative, in connection with the already fragile ecosystem of the central Travancore area where the college is situated, came from our students. With the encouragement and support of the faculty in the Department of Hindi, they made a documentary film on the sad plight of River Pampa, the artery of life in this region. The film was the first of its kind.
11. In addition to these, various organizations such as SCM, NSS, Nature club, Department Associations and the like endeavoured to bring to the students an awareness of eco justice, preservation of biodiversity etc. through seminars, study trips, nature camps, street plays, demonstrations, cartooning, drawing, quiz etc.

7.2 Innovations

7.2.1 Give details of innovations during the last four years which have created a positive impact on the functioning of the college.

1. Internet connectivity: A major initiative implemented during the post second accreditation period was in the field of internet connectivity. In 2011, the college got a broadband dedicated optical cable connection under the NME-ICT (National Mission on Education through Information and

Communication Technology) project. Thus the college became part of the National Knowledge Network, which connects all institutes of higher learning. This facility was extended to all Departments and Research Centres, by laying OFC wires and supplementing the signal with boosters. Through this networking scheme, the college has become a prime centre of knowledge having direct connectivity with country-wide learning resources.

2. E-resources: The college community was provided with access to e-resources through the programme entitled "National Library and Information Services Infrastructure for Scholarly Content (N-LIST)", with the help of INFLIBNET (Information and Library Network) Centre, funded by MHRD. N-LIST programme provides access to more than 3000 e-journals and 75000+ e-books to users free of cost. Username and password for all teachers and students were distributed. During January-February 2012, the college was in the list of 'Top-10 Users' in the country.

3. Computer literacy drive: The Common Computer Facility (CCF) in the college has become a busy IT hub and nerve centre of the college. In addition to providing internet facility to staff and students, it conducts computer courses for students as add-on courses. A recent successful course conducted by CCF is on web-designing. The Facility began functioning in 2007 and has since then been conducting the Basic Computer Applications Course which has made a great impact on the academic performance of the college. Its target is to make sure that all the students in the college become proficient in basic computer applications and the mission is now achieved by enrolling all students at the time of their admission and giving them training in the first year itself.

4. Language Laboratory: The previous NAAC report had pointed out the lack of a centre for training in communication skills. This has been rectified by the efforts of the Management and the Department of English and a well equipped Language Laboratory supervised by 2 staff now functions in the college.

5. College Newsletter: The College finds an appropriate medium to document and disseminate its aspirations and achievements by publishing its Newsletter annually.

6. Research Journal: *Reyono-Journal of Interdisciplinary Studies* (ISSN No:2277-7652), the accredited journal published by the college is a flag-bearer of excellence.

7. Visual teaching aid: To aid innovative teaching practices using ICT, all the Departments in the college are provided with LCD projectors.

8. Meditation Centre: The newly opened 'Dhyanakendram' is an ideal place for prayer and meditation.

9. Fitness centre: To cater to a sound mind, a sound body is required. The college gymnasium is situated in the building which hosts the main office and the Physics Department. This facility is regularly used by many students and

faculty. Special mention should be made of its regular use by a sizable number of lady teachers in the college, after the college hours.

10. Capacity building for Women managers: The Centre for Women's Studies has conducted two 5-day Workshops on 'Capacity building' during the post accreditation period. A national seminar was also conducted in 2014 for women empowerment.

11. Innovative teaching methods: described in Criterion II.

7.3 Best Practices

7.3.1 Elaborate on any two best practices which have contributed to the achievement of the Institutional objectives and/or contributed to the Quality improvement of the core activities of the college.

(I)Support to weaker Sections of Students:

Goal:

The institution functions with an objective of supporting economically weaker students to uplift them to the main stream of the community.

Context:

The college is situated in the foot hills of the Western Ghats in Pathanamthitta district. The majority of the students studying in the college come from financially backward areas and communities. Special norms have been developed by the Management to cater to the needs of the students from weaker sections, to enable their getting admission in this institution for higher education. Since the feeder area of the college encompasses villages where travel facilities are scanty, and financial constraints force students to attend classes even without proper meals, the philanthropic activities of the college are necessary for helping the needy students.

Practice:

In the admission process:

- I. a. The first among the best practices in the college, which have contributed to the achievement of the Institutional objectives, is the support given to the weak students hailing from the rural population. Starting from the admission procedure, the college community, especially the Management and Parent-Teacher Association, give special consideration to Dalit and socially and economically backward students. There is a special quota for Dalit students in P.G. and U.G. under Management quota, over and above the stipulated one. This is a unique act of compassion shown to weaker sections of the society in imparting higher education to them.
- I. b. The Noon Meal Scheme, in which noon meal is provided to all needy, underprivileged students. A large number of students have benefitted by this magnanimous gesture of the PTA and the teaching and non-teaching staff of the college. The needy students are identified through the Departments and their names are given to the college canteen. They can

have the noon meal from the canteen on producing a coupon supplied by the teacher who is in charge of the noon meal scheme. This is done with due privacy to protect the students' esteem.

In addition to this officially declared scheme, many teaching and non-teaching staff take particular care to ensure that no student is sitting with a hungry stomach while attending the classes.

- I. c. On certain occasions, the college community has unanimously arisen to support an employee or student in distress, by contributing generously towards fund collection campaigns.
1. d. Community Service: The NSS Unit of the institution has adopted a colony near the college. Major activities executed include: bringing them awareness on health, sanitation and hygiene, social hygiene, continuing education, etc. Facilities have been made for book banking, library and reading room, agricultural practices etc.

The Department of English of the college has adopted an Upper Primary School at Punnackadu with the view to offer opportunities to the financially backward students from rural background to improve their communication skills and their competence in English. Unofficially launched on 28 November 2013, classes in Communicative English are taken there on a regular basis by the faculty of the Department and they receive a very enthusiastic response from the children there. To inculcate the habit of reading in the young minds, an English newspaper (The Indian Express) was subscribed for the school. A good number of books were also donated to the school.

(II) Energy Management programmes:

Goal:

To optimize the use of energy consumption and reduce the consequences of energy utilization.

Context:

In the current scenario of urbanization and energy consumption, modern man tends to forget the havoc brought about by these material pursuits to the very existence of the underprivileged people over the universe. The present day world has been witnessing an increasing effect of land and water pollution, global warming, over exploitation and depletion of natural resources, etc. due to population pressure and urbanization. To make the students and the community aware of the importance of a pollution free atmosphere and of conserving our natural ecosystem for better living conditions, the carbon sequestration programmes have been initiated in which both the students and the Management are involved. The college gives major thrust to energy conservation and ensuring of water quality and quantity.

Practice:

It is noteworthy that sixty years ago, this aspect was among the prime concerns of the founders of the college. The oldest building in the college itself houses an overhead water tank to collect rain water. This model was emulated by successive generations. Another water tank with a capacity of 5 lakhs litres, constructed forty years ago, was recently renovated investing more than 5 lakhs rupees and is used to harvest rain water for use on the campus and the women's hostel.

- II.a.** Drinking Water facility: To ensure self-sufficiency and purity in drinking water, three wells in the college were renovated. Water purifiers were also installed at different locations for the use of students.

Water quality management: Equal importance has been given to the water quality management. The college as a whole, various subject Associations and other organisations have conducted programmes to ensure water quality. The Public Facility Laboratory run by the Department of Zoology is used by the college and the public in and around Kozhencherry to check the quality of the water they consume.

- II.b.** Solar photovoltaic system with a capacity of 10KW was installed in the college to reduce the conventional energy consumption and to bring its self sufficiency in the college Administrative Block and Department of Physics.
- II. c.** Solid waste management practices: Two bio-gas plants -- in the college hostel and the Department of Chemistry – have been installed to reduce the solid waste load in the campus.
- II. d.** Plantations, medicinal plants garden, botanical garden and planting of trees in and around the campus by students work as carbon sinks, contributing to the carbon sequestration programmes.
- II. e.** Awareness programmes through Eco club, NSS and Department Associations add to the knowledge contribution in the campus.



D. POST ACCREDITATION INITIATIVES

The NAAC peer team which assessed and accredited St. Thomas College, Kozhencherry in 2007(second cycle) made the following suggestions to enhance the performance of the college and sustain the quality of education.

Steps taken by the institution during the post accreditation period are given below

Suggestion 1: Certificate course in English and certificate course in basic skills of the computer and value based add-on courses relevant to each discipline can be offered

A Certificate Course in Communicative English (20 hours duration) is given to all first year undergraduate students through the Language Laboratory of the Department of English. A Certificate Course in Basic Computer Skills is offered at the Common Computer Facility Centre for all first year degree students as per the suggestions of the NAAC peer team. Value based add-on courses in Malayalam, English, Zoology and Physics are implemented. Department of Commerce and Botany have applied for add-on courses.

Suggestion 2: Centralized Computer Laboratory

A centralized computer laboratory is functioning with 33 computers and NME-ICT, INFIBNET facilities at an independent area in the new library complex. Along with basic computer education, courses in Web Designing are offered from the centre. Another centralized computer laboratory with seventeen computers is set up under FIST scheme at the Department Zoology for the use of students of Science stream.

Suggestion 3: Full-fledged Language Laboratory

Language laboratory equipped with 24 computers and sophisticated communicating aids is functioning under the supervision of the Department of English. A 20-hour short-term course in English is made available here to all the UG students. Two teachers have been appointed to supervise and coordinate the courses handled in the language laboratory.

Suggestion 4: New Courses may be explored:

Three new courses--BBA, B.Com and M.A in Malayalam--have been started during the post accreditation period. Of these, BBA and B.Com with Computer Applications are in the unaided stream and M.A Malayalam in the aided stream. M. Sc Computer Science as an unaided course has been sanctioned for 2014-15 academic year.

Suggestion 5: Laboratory facilities need improvement:

Laboratories in the Science departments have been refurbished and modernized using funds from FIST, UGC and the Management. FIST grant was awarded to the Department of Botany in 2009. An amount of Rs. 23.9 lakhs was sanctioned. Major equipments purchased are UV VIS spectrophotometer, Elemental analyser, Conductivity meter, DO meter, BOD cooling incubator, Elame photometer, Laminar air flow. A Computer laboratory with 16 computers having internet facility is installed in the Department. Departments of Zoology, Physics, Chemistry and Mathematics were sanctioned with Rs. 39 lakhs as FIST grant. Under UGC funds of 11th Plan period, Rs.18,60,000/- received under general development assistance was utilized for equipments.

Suggestion 6: Book banking facilities for poor students:

Book Banking facilities are available in all departments. Books borrowed from the main library and books donated by retired teachers and alumni are kept in the book bank and are issued to the students.

Suggestions 7: Remedial teaching may be institutionalized and steps to encourage advanced learners:

Remedial coaching is offered to all students who are in need of it. For advanced learners, leadership seminars, capacity initiatives and group discussion programmes are given. Advanced learners take initiative in co-operative learning.

Suggestion 8: Learning resources may be available equally in all departments:

As part of enhancement of learning resources all departments are provided with Computers with internet facility, LCD Projectors and Green/white boards etc. to facilitate ICT enabled learning. Smart Board is available in the Department of Mathematics. Interactive CDs, Virtual laboratory CDs, are available in the Department of Zoology. Department of Malayalam has started an electronic media theatre for the use of students.

Suggestion 9: Recognising and rewarding achievers:

Scholarships instituted by Alumni and PTA and Management are given to student achievers or toppers in each class. Teachers are given due recognition for their academic achievements by felicitating them in general meetings. Rank holders are honoured in special meetings and mementos are presented. Certificates are given to all outgoing students with a mention of their services to the institution.

Suggestion 10: Computerisation of Library and working hours extension:

The computerisation of library has been executed and programmes like SOUL and OPAC installed. Six computers with printers and reprographic facilities are provided in the laboratory. Working hours on week days are from 8.30 am to 4.30 pm.

Suggestion 11: Upgradation of Infrastructural facilities:

Laboratories have been upgraded using FIST and UGC grants from time to time. Drinking water facilities have been expanded by introducing rain water harvesting and renovation of dug out wells on the campus. Computers and connectivity to internet are available in all departments, administrative block, common computer facility and library. Solar power generation equipment with 10 KW capacity was installed for Administrative block and Department of Physics. Biogas plants were installed. A new “Thomas Mar Athanasius Block” with 550sq. meter plinth area is an addition to the existing infrastructure to house more classes.

Suggestion 11: Reasonably equipped seminar hall for all departments:

LCD projectors have been supplied to all departments to establish smart classrooms. Departments of Commerce, Economics, Physics, Zoology and Botany have well-furnished seminar halls. Other departments have smart classrooms with modern ICT facilities.

Suggestion 12: Physical education department may be proactive:

Open course is offered by Department of Physical Education. Annual sports and games are organized by the Department. Fitness centre was started. Yoga training classes are offered to staff and students. Regular coaching is given for the teams of volley ball, basket ball, shuttle badminton, cricket etc.

Suggestion 13: Grievance/ suggestion box may be kept near the office and mechanism of grievance redressal:

Suggestion box is available in the College. Grievance redressal Cell constituted in the college with the involvement and representation of students and faculty is working effectively.

Suggestion 14: Fellowships for research by PTA, Alumni and Management:

Research achievements by teachers are duly acknowledged by the Management by felicitating them in functions arranged for the purpose and are presented with mementoes as a token of appreciation and encouragement for their accomplishments.

Suggestion 15: Career guidance and placement may be further strengthened and entrepreneur development cell be institutionalized:

Career guidance centre is conducting regular programmes for students from all semesters. As an introduction to career guidance, an orientation programme is given to students during first year.. During the final year soft skills training for better performance in the interviews are given. For selected students, a 60 hour package was given with a nominal fee. Management provides all help for the conduct of the same.





Evaluative Report of the
Departments

DEPARTMENT OF ENGLISH

1. **Name of the department** : Postgraduate and Research
Department of English
2. **Year of Establishment** : 1967
3. **Names of Programmes / Courses offered(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**
 - i. B.A. Programme in English Language and Literature
 - ii. M.A. Programme in English Language and Literature
 - iii. Ph.D
- Other Courses offered**
 - i. UGC - Career Oriented Add-on Certificate Course in Communicative English.
 - ii. UGC - Career Oriented Add-on Diploma Course in Communicative English.
 - iii. Short-term Course in Communication Skills in English.
4. **Names of Interdisciplinary courses and the departments/units involved:**
'Open Course' is part of the curriculum of the Final Year UG Programme.
5. **Annual/ semester/choice based credit system (programme wise):**
 - i. B.A Programme : CBCSS (Choice Based Credit and Semester System).
 - ii. M.A Programme : CSS (Credit and Semester System).
 - iii. UGC- Career Oriented Add-on Certificate Course : Annual course.
 - iv. UGC- Career Oriented Add-on Diploma Course : Annual course.
 - v. Short-term Course in Communication Skills in English : Twenty-hour Programme.
6. **Participation of the department in the courses offered by other departments:**
Basic and advanced courses in computer applications and web designing offered at the Common Computer Centre. Add-on Course in Journalism conducted by the Department of Malayalam.
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: 13 (as on 31 March 2014)

	Sanctioned	Filled
Professors	N.A	Nil
Associate Professors	4	4
Asst. Professors	7	7
Junior Lecturers	2	2

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.): (as on 31 March 2014)

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D students guided
Dr Anne Susan Koshy	M.A., B.Ed., M.Phil., Ph.D	Associate Professor	Feminist writing	32 years	Nil
Dr Asha Susan Jacob	M.A, M.Phil. Ph.D.	Associate Professor	Postcolonial Indian literature	24 years	4
Elizabeth John	M.A., B.Ed., M.Phil.	Associate Professor	Dalit writing	20 years	Nil
Dr Roshin George	M.A., B.Ed., M.Phil., Ph.D	Associate Professor	Indian writing in English	18 years	Nil
Tom Thomas	M.A., B.Ed., M.Phil.	Assistant Professor	Postcolonialism	9 years	Nil
Febu George Mathai Kurichiyath	M.A., B.Ed.	Assistant Professor	New Historicism Postmodernism	6 years	Nil
Annie George	M.A., B.Ed.	Assistant Professor	Cultural Studies	6 years	Nil
Vineetha S.	M.A., B.Ed.	Assistant Professor	Indian writing in English	16 years	Nil
Dr Teena Rachel Thomas	M.A, M.Phil. Ph.D.	Assistant Professor	Women's studies	3 months	Nil
Siby John	M.A., B.Ed.	Assistant Professor	Postcolonial studies	3 months	Nil
Susan T. Sushil	M.A., B.Ed.	Assistant Professor	Pedagogy; Culture Studies	3 months	Nil

Anu Susan Mathews	M.A., B.Ed.	Junior Lecturer	Indian writing in English	16 years	Nil
Susanna Philip	M.A., B.Ed.	Junior Lecturer	Indian writing in English	16 years	Nil

11. List of senior visiting faculty: Prof. T.S.Titus, Prof. T.O.George, Prof. Mammen V. Zachariah, Prof. Mohan Joseph, Prof. Elizabeth Thomas, Prof. T. J. Abraham, Prof. T.M.Thomas, Prof. P.Daniel, Dr. Remany Titus, Prof. M. M. Chacko, Prof. Leela Abraham, Prof. Thomas Oommen, Prof. T.Nessie Joseph, Prof. Thomas Mathai.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

2008 – '09:	2009 – '10:	2010 – '11:
UG: 23%	UG: 23%	UG: 23%
2011 – '12:	2012 – '13	2013 – '14:
UG: 23%	UG: 23%	UG: 23%

13. Student -Teacher Ratio (Programme wise):

General	: 145:1
UG	: 26:1
PG	: 7:1

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/ Ph.D. /M. Phil. etc.)

Name	Qualification
Dr Anne Susan Koshy	M.A., B.Ed., M.Phil., Ph.D.
Dr Asha Susan Jacob	M.A, M.Phil. Ph.D
Elizabeth John	M.A., B.Ed., M.Phil.
Dr Roshin George	M.A., B.Ed., M.Phil., Ph.D.
Tom Thomas	M.A., B.Ed., M.Phil.

Febu George Mathai Kurichiyath	M.A., B.Ed.
Annie George	M.A., B.Ed.
Vineetha S.	M.A., B.Ed.
Dr Teena Rachel Thomas	M.A, M.Phil. Ph.D.
Siby John	M.A., B.Ed.
Susan T. Sushil	M.A., B.Ed.
Anu Susan Mathews	M.A., B.Ed.
Susanna Philip	M.A., B.Ed.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

a) National – Three Minor Research Projects

Type of Project	Funding agency	Name of the PI	Amount (Rs)	Period
Minor Research Project	UGC	Dr. Asha Susan Jacob	80,000/-	2009- 11
Minor Research Project	UGC	Dr. Anne Susan Koshy	1,10,500/	2010-12
Minor Research Project	UGC	Dr. Asha Susan Jacob	1,20,000/	2013-15

b). International: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:

Programme	Funding agency	Amount received (Rs)	Period
Add-on Course	UGC	7,00,000	2010
National Seminar	UGC	1,39,500	2011
National Seminar	UGC	1,50,000	2013
ASAP	Govt.of Kerala	5,00,000	2013

- 18. Research Centre /facility recognized by the University:**
The Department was upgraded to Research Centre in 2013.

19. Publications: Publication per faculty:

Name of Faculty	Int.nat Journal	National Journal	International Data Base	Monographs	Chapter in Books	Edited Books	Books With ISBN
Dr. Anne Susan Koshy		2			1		1. ISBN: 978-3-639-26008-3
Dr. Asha Susan Jacob	1	7			2		1. ISBN: 978-81-7821-436 - 8 (Co-edited)
Elizabeth John					1		
Dr. Roshin George		6			5		
Tom Thomas		1	2		6	2.(Co-edited) 1. ISBN 978-81-264-2393-4 2. ISBN: 978-81-7821-436-8	
Febu George Mathai					4		
Lakshmi Sukumar		3					
Siby John		3			1		
M.A. Students				2			

- 20. Areas of consultancy and income generated:** Nil

21. Faculty as members in

- a) National committees b) International Committees
c) Editorial Boards:

a) **National committees:** Mr. Tom Thomas was Regional Secretary of OSLE- India (Organization for Studies in Literature and Environment) during 2007- '10

b) International Committees :Nil**c)Editorial Board:**

- | | |
|----------------------|---|
| Dr. Anne Susan Koshy | - Member, Editorial Board, New Vision |
| Dr. Asha Susan Jacob | - Chief Editor, REYONOJournal of Interdisciplinary Studies |
| Tom Thomas | - Member, Editorial Board, REYONOJournal of Interdisciplinary Studies |
| | - Member, Editorial Board, New Vision |

22. Student projects**a)Percentage of students who have done in-house projects including inter departmental/programme :**

100% students of the PG and the UG Courses.

b)Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: Nil**23. Awards/ Recognitions received by faculty and students:**

- Dr. Asha Susan Jacob has been selected for Associateship of the UGC Inter-University Centre for Humanities and Social Sciences (IUC) at the Indian Institute of Advanced Studies, Shimla.
- Ms. Lakshmi Sukumar, member on the faculty, was awarded Ph.D by the University of Kerala in 2010.
- Ms. Salini L.R. and Ms. Anju Ann John of B. A. English won prizes in elocution and essay writing at the University Youth Festival in 2010-11.
- Ms. Anjumol and Ms. Renjini of M. A. English won the Second prize at the district level Quiz Competition conducted by the Library Council, Pathanamthitta in 2009.
- Jobin Mammen of B. A. English was selected to participate in the NSS Camp Youth to the Edge. The seven-day camp, sponsored by the Government of India, was held at Dzukou Valley, Kohima, Nagaland in February, 2010-11.
- Tijin T. Thomas, I M.A. English won 'A Grade' in the Photography competition at the Mahatma Gandhi University Youth Festival 2012- '13.
- Alen Itty Jose, III B.A. English was awarded the 'Kalaaprathibha' title, 2013-'14.

24. List of eminent academicians and scientists/ visitors to the department:

2013 – '14

- Dr. Pramod K. Nayar, University of Hyderabad.
- Dr. Meena T. Pillai, Associate Professor, Institute of English, University of Kerala.
- Dr. Rita Kothari, Associate Professor, Bhupen and Smriti Shah Chair, IIT, Gandhinagar, Ahmedabad, Gujarat.
- Dr. K.M. Krishnan, Associate Professor, School of Letters, MG University, Kottayam.
- Smt. Saraswathy Rajagopalan, Executive Editor, DC Books.
- Khan Touseef Osman, Lecturer, Metropolitan University, Bangladesh and presently research scholar at Institute of Kashmir Studies, University of Kashmir, Srinagar.
- Prof. Josy Joseph, Associate Professor, SB College, Changanacherry.
- Dr. Saji Mathew, Assistant Professor, School of Letters, MG University, Kottayam.

2012 – '13:

- Dr. B. Hariharan, Institute of English, Thiruvananthapuram.

2011 –'12:

- Prof. G.N. Devy, DAIICT, Gujarat.
- Dr. Susie Tharu, Eminent Professor, EFLU, Hyderabad.
- Ms. Mini Krishnan, Editor, OUP, Chennai.
- Ms. Katja Mueller, Research Associate, Leipzig Cultural Museum, Germany
- Dr. Kalyani T. Vallath, TES, Thiruvananthapuram.

2010 – '11:

- Dr. Kalyani T. Vallath, TES, Thiruvananthapuram.
- Mr. Marshal V. Sebastian, Bureau Chief, India Vision.

2009 – '10:

- Dr. Meena T. Pillai, Institute of English, Thiruvananthapuram.
- Mr. Mathew T. George, Editor, The Week.
- Ms. Jan Mary Varghese, Editor, The Week.
- Mr. Jayaraj Sivan, Assistant Editor, Times of India, Chennai.
- Mr. Varghese C. Thomas, Bureau Chief, Malayala Manorama, Kottayam

- Mr. Jacob Abraham, Copy Writer, Mathrubhumi, FM Radio.

2008 – '09 :

- Dr. Saji Mathew, School of Letters, MG University.

25. Seminars / Conferences / Workshops organized & the source of

Funding: a)International b)National

a)International: Nil

b)National: Two.

Sl.No	Title	Nature	Dates on which held	Source of funding
1	Event, Memory and Literature: Trauma Narratives of the Indian Subcontinent	National Seminar	5 and 6 September, 2013	UGC
2	Indian Literary Historiography and Counter Currents in Postcoloniality	National Seminar	27 and 28 September 2011	UGC

26. Student profile programme / course wise:

Year	Name of the Course/programme	Applications received	Selected	Pass percentage
2011-'14	B.A.	CAP (Centralized Allotment)	28	95.83
2010-'13	B.A.	CAP	28	95.45
2009-'12	B.A.	CAP	28	95.83
2008-'11	B.A.	299	24	63.63
2007-'10	B.A	319	27	85.71
2006-'09	B.A	203	21	100
2005-'08	B.A	177	21	95.23

2012-'14	M.A.	CAP	17	Awaiting result
2011-'13	M.A.	CAP	13	76.9
2010-'12	M.A.	CAP	13	62.5
2009-'11	M.A.	CAP	16	100
2008-'10	M.A.	56	17	91.66
2007-'09	M.A.	40	12	100
2006-'08	M.A.	35	09	91.67

27. Diversity of Students:

Period	Name of the Course	% of students from the same state	% of students from other	% of students from
2008-'14	B.A.	100	0	0
2008-'14	M.A.	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc?

National Eligibility Test (NET): Eight

State Eligibility Test (SET) : Twenty six

29. Student progression: B.A :

Year	Pass Percentage	UG to PG	Other courses	Employed
2011-'14	95.83	-	-	-
2010-'13	95.45	65.21	13	-
2009-'12	95.83	73.91	8.33	4.16
2008-'11	63.63	71.42	14.28	Nil
2007-'10	85.71	61.66	33.33	33.33
2006-'09	100	85.71	14.28	19.04
2005-'08	95.23	63	30	76.30

M.A:

Year	Pass percentage	To M.Phil	B.Ed / Other Courses	Qualified NET	Qualified SET/TET	Employed
2011-'13	76.9	-	75	-	-	23
2010-'12	62.5	-	75	-	-	31.25
2009-'11	100	6.25	87.5	6.25	25	56.25
2008-'10	91.66	8.33	83.33	8.33	25	58.33
2007-'09	100	14.28(M. Ed)	85.71	-	28.57	85.71
2006-'08	91.67	9.09	100	-	50	83.33

30. Details of Infrastructural facilities:

- a) **Library:**The Department has a commendable stock of books and journals purchased through various grants, kept in the main library of the college so that students from all departments can use them. Apart from these, about 300 books are housed in the Department itself. Of these, 98 books and four journals were received from the MRP of Dr. Asha Susan Jacob. Books were also obtained as donations from well-wishers.
- b) **Internet facilities for staff & students:**
The Department has computer and internet facility for both staff and students. Students make adequate use of these, especially to do their Projects.
- c) **Classrooms with ICT facility:** The Language Lab of the Department is equipped with ICT facilities.
- d) **Laboratories:**A Language Laboratory equipped with 25 computers, LCD projector, headphones, speakers, necessary software, tape recorder, CDs, DVDs and other modern gadgets, functions under the supervision of the department. Classes of the Add-on Course in Communication Skills in English are conducted here during and outside the regular working hours as well as on Saturdays and other holidays. Classes of the Short-term Course in Communicative English, provided to all the UG students of the college, are also conducted here. Two teachers have been appointed to conduct and coordinate the classes, thus ensuring optimum utility of the Lab. Movies based on the syllabus and classics are also screened here for the benefit of the students.

31. Number of students receiving financial assistance from college, university, government or other agencies:

Year	Course	Assistance from govt. on SC/ST/OEC Merit	Students receiving assistance from govt., Higher Education Council,etc
2013-'14	B.A.	14	
	M.A.	5	
2012-'13	B.A.	15	
	M.A.	4	
2011-'12	B.A	16	12
	M.A	2	2
2010-'11	B.A	19	11
	M.A	3	3
2009-'10	B.A	17	8
	M.A	3	4
2008-'09	B.A	12	6
	M.A	1	1
2007-'08	B.A		5
	M.A		1

From the college:

The PTA of the college awards scholarships to deserving students each year. Scholarships are awarded to the top scorers of each Programme and the best outgoing students. In addition to this, Prof. Leela Abraham, former faculty of the Department, and Prof. Moncy Abraham, alumna of the Department, have instituted endowments of Rs.9000/- each, the interest of which is distributed each year to the best outgoing students of B.A and M.A. English. Prof. T. Nessie Joseph, former Head of the Department, has instituted cash prizes to be awarded each year to the top-scorers of final year Degree and Post Graduate courses.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

The following are some of the major programmes organized by the Department:

Sl. No	Title	Event	Dates on which held
1	Event, Memory and Literature: Trauma Narratives of the Indian Subcontinent	National Seminar	5 and 6 September, 2013
2	'Vedere . . . Ecris . . . Kasityo . . . Kino'	Exhibition of visuals & Screening of films based on Trauma Narratives	5 and 6 September, 2013
3	Literature and Theory	Workshop	8, 9, 10 and 16 August 2012
4	Restructuring Gender Concept for Power Womanism	Talk	6 February 2012
5	Indian Literary Historiography and Counter Currents in Postcoloniality	National Seminar	27-28 September 2011
6	Overcoming Barriers in Education	Lecture	8 July 2011
7	FRAMES	Workshop on films based on European Literary Classics	28 – 30 January 2010
8	'Print Media'	Seminar	25 January 2010
9	Restructuring Undergraduate Education	Orientation Programme	11 August 2009
10	'Quest'	Literary quiz	November 2008
11	Media: Insiders' View	Seminar	3 October 2008
12	Post-structuralism & Politics of Narration	Seminar	29 October 2007

Enrichment programmes on Translation Studies and English grammar were held.

Apart from **invited lectures** and **seminars** based on the Core Papers and on the re-structured syllabi, students were also given **value-added classes** on Personality Development, Leadership Training, Career Guidance, Facing an Interview, Adolescent Counselling, Time Management, etc, ensuring their holistic development. **Interviews with noted writers and eminent personalities** of various professions such as of the media, of the law, etc gave the students an exposure to these different walks of life.

33. Teaching methods adopted to improve student learning:

- Choice Based Credit and Semester System' is followed in the UG Courses.
- Credit and Semester System' is followed in the PG Courses.
- Assignments.
- Internal examinations.
- Lecture method.
- PowerPoint presentations.
- Discussions and debates.
- Questions based on the portion taught are asked.
- Revisions.
- The Language Laboratory is a great aid for the teaching and learning of English
- 'Research Forum' meetings.
- Remedial coaching.
- Each student is put under the charge of a mentor.
- Each class has a tutor-in-charge.
- PTA meetings are conducted at regular intervals.
- Teacher evaluation by students is done in a systematic manner.
- A question bank is made available to the students.
- Coaching for competitive examinations.
- Quiz programmes.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- **Extension Programme: Adoption of CMS UP School, Punnackadu.**

As part of the Diamond Jubilee projects of the College, the Department of English, St Thomas College, Kozhencherry adopted CMS UP School, Punnackadu as an extension programme of the Department. Classes in Communicative English are taken there on a regular basis by the faculty of the Department.

Other ISR and Extension activities of the teachers of the Department:

T. Nessie Joseph

- Member, PG Board of Studies of English, MG University.
- Deputy Chairperson, UG Oral Examinations 2009-10, 2010-11.
- Deputy Chairperson, Viva Board, IV Semester, M.A Examinations (Since 2008).
- Chairperson, III Semester, M.A Examinations.

Dr. Anne Susan Koshy:

- Was on the Panel for Selection of Course, MG University.
- Was on the Subject Expert Panel of the University.
- Was member of the Editorial Board of 'New Vision', an ecumenical monthly magazine.
- Member of CASH (Committee Against Sexual Harassment) of Mar Gregorious Memorial Muthoot Medical Centre.

Thomas Mathai:

- Member of the Mar Thoma Educational Society, Trivandrum.

Dr. Asha Susan Jacob:

- Trainer for the manual Women and Governance in Higher Education in the UGC sponsored SAM Workshop on 'Capacity Building for Women Managers in Higher Education'.

Tom Thomas:

- Kerala Regional Secretary of OSLE India, (Organization for Studies in Literature and Environment) 2007 – '10.
- Member, Editorial Board, New Vision, 2008-'10.

35. SWOC analysis of the department and Future plans:**Strengths :-**

- All sanctioned posts are currently filled and the Dept. now comprises a **full-fledged team of competent teachers.**
- The Dept. conducts UGC sponsored career oriented **Diploma and Certificate courses in Communicative English.**
- The Dept. has a well equipped **Language Lab.**

- Quite a few of the **alumni** are either studying or working **at institutions of repute**.
- There is a strong **bond between the alumni and the teachers**.

Weaknesses :-

- **Teachers are hard pressed for time** owing to the burden of tabulation and evaluation of papers.
- Since **students hail from diverse socio-economic backgrounds**, it is not always possible to use English as the sole medium of instruction and innovative teaching methods.
- The **location of certain classrooms** and their inadequate maintenance disturb the ambience for serious study at times.

Opportunities :-

- The teachers have an opportunity to interact with, empower and uplift students coming from the lower strata of society.

Challenges :-

- The Dept. aims for holistic **development** and **vertical academic progression** of our students and hopes to equip them to meet the challenges of the time.

Future Plans:

- **Conduct National Seminars** every year.
- **Promote research activities** and academic excellence.
- **Intensive coaching** for NET/SLET and similar competitive tests.
- To conduct **training programmes** for UP/LP teachers and students in speech sounds, grammar, etc.
- Conduct courses on **Film Studies** for select students.
- Workshop on **Creative Writing**.
- Workshop on **Translation Studies**.

DEPARTMENT OF MALAYALAM & SANSKRIT

1. **Name of the Department** : Malayalam & Sanskrit
2. **Year of Establishment** : 1953
3. **Names of Programmes offered** : B.A Malayalam
4. **Names of Interdisciplinary courses and the departments/units involved** : Sanskrit,
All other Departments
5. **Annual/ semester/choice based credit system (programme wise)** : B A Malayalam (CBCSS)
6. **Participation of the Department in the courses offered by other Departments**
- Our students attend the course in Communicative English offered by the English Dept, Open Courses offered by other Departments, Computer course offered by the Common Computer Facility of the College
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
Professors	Nil	NA
Associate Professors	1	1
Asst. Professors	5	5

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./ M. Phil. etc.,)

Name	Qualification	Designation	Specilization	No. of Years of Experience	No.of Ph.D Students guided
Roys P David	M A , B.Ed., B.D. MPhil, Ph.D	Asso. Prof	Vyakarana m	28	Nil
Samma Varghese	M.A,B.Ed, Ph.D,NET	Asst. Prof	Pracheenasahithyam	7	Nil
Sneha George Pachayil	M.A,B.Ed, NET	Asst.Prof	Samskarapanam	7	Nil
Jaison Jose	M.A,M.Phil, B.Ed,NET	Asst.Prof	Niroopanam	5	Nil
Libus Jacob Abraham	M.A,B.Ed, NET	Asst.Prof	Samskarapanam	5	Nil
Lathakumari P .C	M.A,MPhil, Ph.D,B.Ed,	Asst.Prof	Sanskrit	7	Nil

11. List of senior visiting faculty:

1. Prof. Raju K Mathen
2. Prof. Leelamma John
3. Prof. Rachel Abraham
4. Rev. Dr.Mathew Daniel
5. Prof. George Varghese
6. Prof. Johnson Malachi

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : N A

13. Student -Teacher Ratio (programme wise) :

General : 75:1

UG : 29:1

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

Sl.No.	Name	Qualification
1	Roys P. David	M.A,B.Ed., B.D.,M.Phil, Ph.D.
2	Saramma Varghese	M.A, Ph.D
3	Sneha George Pachayil	M.A
4	Jaison Jose	M.A, M.Phil
5	Libus Jacob Abraham	M.A
6	Lathakumari P C	M.A, M.Phil, Ph.D

16. Number of faculty with on going projects from

a) National b) International funding agencies and grants received- : Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received – :

7.5 Lakhs Add- on Course(UGC)

18. Research Centre /facility recognized by the University : Nil

19. Research Papers published/communicated

Name of Faculty	Nat. Journal	Mono graphs	Chpt. In Books	Edited Books
Roys P. David	3		1	1
Saramma Varghese	2	-	-	-
Jaison Jose	8		5	4
Libus Jacob Abraham	-		1	

20. Areas of consultancy and income generated :NIL

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

- Dr. Roys P. David serving as the chief editor of Malankara Sabha Tharaka, a publication of Malankara Mar Thoma Syrian Church. India Area Service Director of Ys'Men international.
- Dr.Saramma Varghese is a member of the Editorial committee of the Journal 'Reyono', an interdisciplinary research journal published by St. Thomas College, Kozhencherry.
- Prof. Libus Jacob Abraham was the Chief Editor of Yuvadeepam, published by Marthoma Yuvajana Sakhyam.

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme : B.A.(Malayalam) – 100%,
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies – 0%

23. Awards/ Recognitions received by faculty and students

Roys P. David Bishop selection committee member

Clergy selection committee member.

Subject expert M.G. University, UG Board Member of University

Saramma Varghese - Ph.D Degree awarded.

Jaison Jose – Governing Body Member, Kerala Bhasha Institute.

Libus Jacob Abraham – Best NSS Programme officer M.G University 2012-13

Secretary, Mar Thoma Yuvajana Sakhyam,Ranni Nilackal Diocese 2007-09
Co- Ordinator of the Literary Camp conducted by Kerala Granthasala sangham Pathanamthitta District

Student

Repsy Marium Mathew secured Second rank in B.A. Malayalam in the year April 2010

24. List of eminent academicians and scientists/ visitors to the department:

- (1) Smt.Sugathakumari, Eminent Poet
- (2) Sri.Perumpadavam Sreedharan, President, Kerala Sahithya Akkademy
- (3) Dr.Kuriyas Kumbalakkuzhi - State Information Commissioner.
- (4) Blessy Film Director
- (5) Dr.N. Sam (Prof.Rtd),
- (6) M.Thomas Mathew, Well Known Critic &
- (7) Benyamin , Novelist
- (8) Isac Eapen
- (9) Dr. P.N.Suresh
- (10) Dr. Jose K Manuel, Asst. Professor, School of Letters, M.G. University Kottayam
- (11) Dr.P.S.Radhakrishnan Director & Associate Professor, School of Letters, M.G. University, Kottayam
- (12) Abraham Mathew
- (13) Dr. Cheravally Sasi
- (14) S.Jithesh, Cartoonist
- (15) Prof.Kadammanitta Vasudevanpillai
- (16) Looba Shield
- (17) RavivarmaThampuram
- (18) Prof.Maloor Muraleedharan

25. Seminars/ Conferences/Workshops organized & the source of funding: Conducted local workshop and seminars, funded by the department

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			M	F	
UG Malayalam	2008-100	20	3	17	90
	2009-115	30	8	22	78
	2010-on line	28	6	22	78
	2011-online	22	4	18	90
	2012- online	29	6	23	78
	2013- online	39	10	29	73
	2014- online	39	14	25	55

27. Diversity of Students

Name of the Course BA Malayalam	% of students from the same state	% of students from other States	% of students from abroad
2007-08	100	0	0
2008-09	100	0	0
2009-10	100	0	0
2010-11	100	0	0
2011-12	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

Sl.No	Name	Course/Courses studied in the institution	Years of study	Qualifying Exam	Year of passing the qualifying exam
1	Priyamol P	B.A	2000-03	NET	2009
2	Sajinikumari	B.A	2003-06	NET	2010
3	Hyma Rajan	B.A	2003-06	NET	2010
4	Salija	B.A	2003-06	NET	2010
5	Nibulal R	B.A	2000-03	NET	2011
6	Deepa	B.A	2004-07	NET	2012
7	Repsy Mariam Mathew	B.A	2007-10	NET	2012
8	Maya G Krishnan	B.A	2007-10	NET	2012

29. Student progression after U.G

Year	Total No	Higher Courses(%)	Other Courses(%)	Set Exam Passed(%)	Employment (%)
2007-08	30	53	33	1	13
2008-09	20	30	25	-	45
2009-10	30	50	30	-	20
2010 - 11	28	75	14	-	11
2011-12	22	45	15	-	25
2012-13	29	48	41	-	6
2013-14	32	25	15	-	10

30. Details of Infrastructural facilities :

- a) Library – Department Library consists of 256 books for teachers' reference only.
- b) Internet facilities for Staff & Students - Internet facility is available to all the students of the Department and staff.
- c) Class rooms with ICT facility- 1
- d) Laboratories - Two computers are available in the Department for use by both the staff and students of the Department .

31. Number of students receiving financial assistance from college, university, government or other agencies.

	2007-08	2008-09	2009-10	2010-11	2011-12
SC/ST Grant	6	2	6	2	5

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Workshop :

The Department conducted three day literary camps, following academic years

1. 2007-08 Thejus centre Kuttikkanam ,Theme:Ecology and Literature
2. 2008-09 Mar Thoma Camp Centre,Munnar,Theme: History of Malayalam Fiction
3. 2009-10 Forest Dept.Camp Centre,Vallakkadavu,Theme:Nature Camp in association with Kerala Forest Department
4. 2010-11 Mar Thoma Students Centre Nagarcoil, Theme: Nanchinadinte Samskarikatha
5. 2011-12 Hosanna Mount Edamattom,Pala, Theme:Creative Involvement in Social issues.

Enrichment Programme:

A Career Oriented UGC aided Add-on Diploma /Certificate course in Journalism was conducted by the Department from 2012 onwards for Degree students. Dr Chandrabos and Dr Thomas Varghese handled the classes. Dr. Saramma Varghese is the Co-ordinator of the course.

SUBJECT ASSOCIATION

Malayalam Association is working actively. Conducts seminars, counselling classes, Annual competitions in Short story writing, Poetry writing, Essay writing, Pencil drawing, Painting, Cartoon, Light music, Recitation, Film song, Elocution, Dance, Chess. There is a Quiz club. Quiz competitions are conducted regularly. Onam and Christmas are celebrated by arranging several programmes by the students.

33. Teaching methods adopted to improve student learning :

- Remedial teaching - Weak students of each class are identified by the respective teachers and they are encouraged to clear their doubts by approaching teachers in free time. Several teachers take remedial classes for these students in the morning and evening time.
- Peer Group learning – Students of each class are divided into several groups. Each group consists of students of different academic level. They discuss the difficult topics taught and the bright students in each

group help the weak students to understand these topics. This activity improves the skills and understanding level of each student.

- Conducting Modulewise test papers other than the two internal tests.
- Group Discussion in the class – Teachers spare some time to discuss about the topics they taught in each class. Students utilize this time to share their difficulties and doubts and through discussions they clear these.
- Assignments – Teachers give assignments and home works, which enable the students to work out many problems from the topics they have studied.
- Seminars – Each student is assigned to take seminars, which improves the communication skills and their ability of self study.
- Quiz competitions – Several quiz competitions are conducted in General and subject related topics, under the leadership of Malayalam Association. Majority are conducted by students and this improve their knowledge in subject and general area.
- Questions are asked by the teachers regularly to test the student's knowledge regarding the previous classes.
- Brilliant students of each class are encouraged to take classes on certain portions of their syllabus.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Teachers Participation:

Roys P David : Principal, NCC Officer, NAAC Co-ordinator, Member College Governing Council, Secretary Staff Council, College Academic Co-ordinator.

Samma Varghese: NSS Programme Officer 2007-09, President – Women's Cell (2012-2013) Executive committee Member of Women's Cell & PTA, Member of Editorial committee of interdisciplinary journal 'Reyono'

Sneha George Pachayil: Secretary – Women's Cell (2009-2010), Executive Committee member of PTA (2012-13), Department Co-ordinator CBCSS 2011- 14

Jaison Jose: Secretary of College Co-operative Store 2010- 2011, Member of Director Board, College Co-operative Store 2010-2012, Teacher in Charge , Malayalam Association 2008-2009, 2014-15, Department Co-ordinator CBCSS 2009-2010

Libus Jacob Abraham: Member of Director Board, College Co-operative Society 2013-2016, Member of Staff Council 2013- 2016, NSS Programme

Officer 2011- 2014, College Union Magazine Advisor 2008-2012, Teacher in Charge , Malayalam Association 2012- 13., Taking coaching classes for the various competitive examinations for students of the College.

Lathakumari P C: Member of Staff Council 2010- 2013, Staff Advisor of College Union Arts Club 2010-12, Executive committee member PTA, Coordinator Best Arts, NSS Programme Officer 2012- 2014

Student Participation:

Several of our students are active members of the NCC and NSS unit of the College and they participate in various social activities relating to community development, blood donation etc.

35. SWOC analysis of the department and Future plans

Strengths

1. Cooperation among the members of the Department. A very cordial relationship exists among the members of the Department.
2. Good teacher - student relationship.
3. Maximum classes are taken in the Department without leaving the students free by engaging free hours, and taking extra classes.
4. An active Subject Association works in the Department.
5. Internet facilities available for all the students.

Weaknesses

1. Majority of the students hail from remote village areas. Hence many of them come from great distances, on foot or by bus. Every day they spend 5 to 6 hrs for travel. They are often not available for remedial coaching, Add-on course, Enrichment programmes and extra curricular activities
2. Major sections of the students are not financially competent to afford the expenses incurred during the completion of the course.
3. Quality of students admitted to the DC1 classes is deteriorating year by year which is affecting the results.

Future Plans

1. Conduct more Association activities.
2. To conduct more seminars and value oriented talks to the students of the Department.

3. To conduct more remedial coaching classes to help weak students.
4. Improve the infrastructure facilities of the Department.
5. To conduct regular Competitive examination Coaching classes for our students and interested students.
6. To encourage the faculty to apply for minor and major projects .
7. Upgrade the Department as Research and PG Centre.

DEPARTMENT OF HINDI

1. **Name of the department** : Department of Hindi
2. **Year of establishment** : 1953 as Oriental Languages Department
3. **Name of programmes offered** : BA in Hindi Language and Literature
4. **Names of Interdisciplinary courses and the Departments/Units involved** :
Open Course Film Studies offered to students of other Departments.
Hindi as additional language to all the UG departments of the college.
5. **Annual/Semester/Choice based credit System (programme wise)** :
UG - Annual till 2009, CBCSS 2009 onwards.
6. **Participation of the department in the Courses offered by other departments**
EnglishEnglish for careers
Malayalam..... Maadhyama patanam
Economics..... Fundamentals of Economics
History..... Social implication of the modern world
Physics..... Energy and Environmental studies
Botany..... Agro based micro enterprises
Zoology..... Human genetics, nutrition, community health
Physical Education- Physical Health and life Skill Education
Basic and advanced course in computer offered by the common computer facility
Communicative course offered by the department of 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**

Professors	Nil	Nil
Associate Professors	3	3
Asst. Professors	2	2

Dr. Sheena Eapen

- One translation work in 'ummeed' from Raipur MP-2008
- Translation work in Chatisghar Today-2008
- One translation work - published in Anuvad Patrika a publication of the central bureau of translation New Delhi -2009
- Mannu bhandari ke upanyas Ek pahachan-Eduvision-Interdisciplinary Research Journal-2010
- Narimukti ki sankalpana ke sandarbh mein kuch bikhare vichar- Proceedings of the national seminar ,St.Thomas college Pala-2009
- Samkaleen katha sahitya ke paridrisya mein mahila lekhan- Proceedings of Catholocate College Pathanamthitta
- Vishnuprabhakar ke naripatra ek anuseelan-sangrathan-2012
- Soochana pradyogigi ke yug mein Hindi bhasha evam Anuvad kisthithi the proceedings of national seminar conducted by Dept: of Hindi St Thomas college,Kozhencherry
- Translation in Malayalam published by kerala sahitya academy-2014
- An experience sharing published in Mathrubhumi weekly-2014

Books-3

- Mannu Bhandari ka rachana sansar-2007 published from Mathura,UP
- Indian women in Krishna Sobti and Sara Joseph's fiction – 2010 published from Mathura UP
- Prayojanmoolak Hindi ke vikas mein anuvad ki bhoomika-2011- published online by verlag,Mauritius

Books edited-2

- B.Com Hindi text book of MG university -2011
- BA, B.Sc semester 3 Hindi text book of MG university-2010

Articles in books

- Valsalyathinte Prabhatham,-madhavikkuttiyude kathakal oru penvayana,olive publications Kozhikode,2011

Dr Mini Rachel Thomas

- An article viswa bhasha Hindi aur anuvad in the proceeding of National Seminar conducted by Dept: of Hindi St Thomas collage Kozhencheri.

Dr. Jenu Mary Mathews

- An article Hindi Patrakarita evam Praudyogigi in the proceeding of National Seminar conducted by Dept: of Hindi St Thomas college Kozhencheri

Prof. Mini Varughese

- Soochana praudyogigi ka prabhav samakaleen Sahithaya par in the proceeding of National Seminar conducted by Dept: of Hindi St Thomas college Kozhencherry

20. Areas of consultancy and income generated : Nil

21. Faculty as members in national committee, International committee and editorial board

Prof Elizabeth M Ninan

Served as the Chief Editor of the Newsletter of the college during 2009- 10

Dr Sheena Eapen

- Member of IAWS-2014 onwards
- YWCA-2011 onwards
- Member of the editorial board of Reyono an accredited research journal of St.Thomas College Kozhencherry-2012.
- Co-editor of the B.Com text sahitya darpan of MG Uty 2011
- Co-editor of the B A /B.Sc Hindi text Sahitya Manjusha-2010
- Chief Editor of the Newsletter of the college- 2011.
- Editor of College Alumni Newsletter, 2012

Dr. Mini Rachel Thomas

- Chief Editor of the Newsletter of Alumni Association of St. Thomas College Kozhencheri during 2010.

22. Student projects -

- Percentage of students who have done in-house projects -100 %

23. Awards/Recognitions received by faculty and students:

Prof. Elizabeth M Ninan

: PG Board Member of MG Uty. 2007-09

Dr Sheena Eapen

- Best research work award instituted by Keral Hindi Sahitya Academy 2010
- UG Board member of SS Uty: 2005-08, UG Board member of MG Uty: 2009-2012
- Member of Subject expert panel of MG Uty: 2010-13
- Served as member of the Inspection commission for new courses under MGU

Students

- Sangeetha R student of first batch cleared SET
- Arpana Isaac student of third batch got first rank in M.Phil of CUSAT
- Rinu Elizabeth Philp of sixth batch got fourth rank in the CAT exam of CUSAT

24. List of eminent academicians visited

- Sri UKS Chauhan IAS Secretary Youth Affairs & General Administration, Govt of Kerala 2010
- Dr N Raveendranath former PVC of MG Uty:-2011
- Dr Rajan Varghese, PVC of MG Uty:-2011
- Dr Kumud Sharma from Delhi Uty:-2011
- Dr Ravi Ranjan from Central Uty: Hyderabad-2011
- Prof M S Jayamohan Secretary, Hindi Vidyapeet -2011
- Dr T K Narayanapillai Central Hindi Institute Hyderabad -2011
- Dr Sethunath R Calicut Uty -2011
- Dr D Krishna panicker former director of official language dept: under the home ministry 2009-10

25. Seminar/Conferences/Workshops organized and the source of funding**National**

Dept of Hindi has organized a two-day National Seminar in collaboration with Keral Hindi Prachar Sabha Trivandrum on 4th and 5th Aug of 2011 with the support of UGC, based on the Topic “Changing Dimensions of Hindi in the Information Technology Era”.

26. Student profile programme /course wise:

Name of the course/programme	Applications received	Selected	Enrolled		Pass %
			M	F	
BA Hindi					
2008-09	62	16	5	11	100%
2009-10	50	14	2	12	91%
2010-11	73	14	2	12	84.6%
2011-12	65	22	6	14	100%
2012-13	29	21	5	16	62.5%
2013-14	30	21	3	18	68.5%

27 Diversity of students - B.A Hindi- 99% of students from the state, 1% from other State

28 How many students have cleared national and state competitive examinations Students cleared SET & CAT Exams : 7

29. Student Progression:

Student progression	Against % enrolled
UG – PG	60%
PG_ M.Phil	6%
PG - PhD	6%
PhD-Post doctoral	Nil
Employed	
• Campus selection	Nil
• Other than campus selection	60%
Entrepreneurship/Self employment	15%

30. Details of infrastructural facilities

- Library : Nearly 5000Hindi books are available in the general library stock and almost 500 books are in our departmental library.
- Internet facility for staff and students facility is available
- Class room with ICT facility - Nil
- Laboratories - NA

31. Number of students receiving financial Assistance from college, university, government or other agencies

Year	Course	Students receiving assistance from Govt. SC/ST/OBC/OEC
2008-2009	B.A	4
2009-2010	B.A	5
2010-2011	B.A	3
2011-2012	B.A	8
2012-2013	B.A	5
2013-2014	B.A	6

32. Details on student enrichment programmes (special lectures,workshops,seminar)with external experts

- Special lectures and seminars were conducted on the topics like Functional Hindi, Modern Poetry, Translation, Fiction, Journalism, Computer application etc.
- Conducted workshops, Counselling, and classes for Personality development and Self motivation
- Remedial coaching for the weak students.
- Various competitions like Quiz, Essay writing, Recitation
- Story writing, Speech ,Cultural competitions
- Career guidance & orientation programme were Conducted for students.
- Instituted best out going student award every year.
- Hindi week celebrations held every year
- Faculty members help the poor and needy students
- Prof. Elizabeth M Ninan instituted an endowment of Rs.10,000 for the welfare of the economically backward student of the department from the year 2014.the student will get Rs.1000/-as interest of the amount every year for three years
- Two cash prizes have been instituted by Dr. Sheena Eapen in memory of her father and grandfather.
- Late Shri P C Mathew Parakkamannil cash prize for toppers of DC1,DC2&DC3in March every year since 2006.previously the cash prize was Rs 500/- for each but it has been increased to1000/- for each in 2013
- Late Shri Eapen Prakash Mathew cash prize is given to topper of the pass out since 2008. The cash prize wasRs.750/- but it has been increased to 1500/- in 2013

33. Teaching methods adopted by the department

Group discussions, Debates, Extempore speech, Quiz, Brain storming, Group Activities Audio-visual aids, Participatory method, Every day question answer session, Class tests, Seminar Paper presentations, Internal examinations, Tutorial system, Assignments

34. Participation in Institutional Social Responsibility (ISR) and extension activities.**Prof. Elizabeth M Ninan**

Member of the staff council, member of the student scholarship Committee and Co-ordination committee, Judge of the literary competition conducted by the Sahodaya group of CBSE schools.

Dr. Sheena Eapen

Took initiative to start a CWS in the college with the support of the Principal and Management in 2008

Co-ordinator of Centre for Women's studies of the College since 2008

Lady Faculty member of SC/ST monitoring cell -2012

Director of the Brains Trust of the college 2010-13

Organized 5-day UGC sponsored workshop for women managers in higher education in 2008

Convenor of the national seminar conducted by the department of Hindi in 2011

Teacher in charge of Hindi Association-2010-11

Member of Staff Council-2005-2008 and as HOD from 2014 onwards

Chairperson & Deputy chairperson of the Board of Examiners in Hindi of MGU since 2010

Attended curriculum restructuring workshop of the CBCSS degree programme of MGU and actively participated in designing the syllabus-2009.

Dr. Mini Rachel Thomas

President of Women's Cell 2009-2012

Teacher in charge of Hindi Association-2013-14

President of college Cooperative society from 2013.

Dr. Mini Rachel Thomas

Chief guest in the Hindi fortnight celebration of All India Radio Trivandrum. She has given a talk in All India Radio on the development of Official language Hindi and it was broadcasted.

Dr.Jenu Mary Mathews

Executive member of Women's Cell 2009,2012,13
 Teacher in charge of Hindi Association-2012-13
 Subject expert in the selection committee of HSST at St Thomas HSS
 Kozhencheri

Prof. Mini Varughese

Treasurer of the Women's Cell 2008
 Teacher in charge of Hindi Association-2011-12.

35. SWOC analysis of the Department and future plans.**Strengths**

- Cooperation among the members of the Department. A very cordial relationship exists among the members of the Department.
- Good teacher - student relationship.
- Maximum classes are taken in the Department without leaving the students free by engaging free hours, and taking extra classes.
- An active Subject Association works in the Department.
- Internet facility available
- Most of the faculty members of the Dept: attend national seminars and present papers.
- The Department achieved 100% results twice .
- 60% of the students passing out join for PG & other higher studies the members of the faculty give leadership to many of the organizations/clubs in the college
- The members of faculty are active researchers also
- The students of the department actively participate in almost all the activities of the college. They are members of student council, NCC , NSS, The BrainsTrust etc.
- The staff members are interested in charitable work always ready to help the poor and needy

Weaknesses

- No language lab facility
- Less student's strength
- No seminar hall
- No smart class

Opportunities

- Participation of faculties in various fields like Examiners, Resource persons, Subject
- Experts, Trainers , Counsellors ,Board of studies members, Editorial board members,
- Editors, Coordinators, Advisors of various organizations, Research guides etc.

Challenges

- Teaching Hindi in non-speaking area.
- Unavailability of good stuff of students

Future plans

- To develop the department to PG & Research Department.
- To organize national ,international and regional seminars
- To begin short term course in Translation and communication skills in Hindi.
- To set up a language lab.

DEPARTMENT OF MATHEMATICS & STATISTICS

1. Name of the Department : Mathematics & Statistics

2. Year of Establishment : 1956

3. Names of Programmes offered : B.Sc. Mathematics &
: M.Sc. Mathematics

4. Names of Interdisciplinary courses and the departments/units involved :

Statistics for Economics Dept. & Mathematics for Physics & Chemistry Depts.

5. Annual/ semester/choice based credit system (programme wise) :

B.Sc. (Mathematics) – Choice Based Credit & Semester System.

M.Sc. (Mathematics) - Credit and Semester System.

6. Participation of the Department in the courses offered by other Departments

Our students attend Communicative English Course offered by the English Dept., Open Courses offered by other Departments, Computer course offered by the Common Computer Facility of the College, Complementary Physics offered by the Physics Department.

7. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil

8. Details of courses/programmes discontinued (if any) with reasons :

Our Department offered Short Term Certificate Course in Computer Applications for our students during the years 1999-2009. It was discontinued when the Common Computer Facility of the College started offering the same course.

9. Number of Teaching posts

	Sanctioned	Filled
Strength	Mathematics – 7 Statistics -2	Mathematics -7 Statistics -2
Principal	-	1
Associate Professors	-	4
Asst. Professors	-	5

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students
Alexander K Samuel (upto 31March 2013)	M.Sc, M.Phil	Asso.Prof. (Principal)	Real Analysis	32	Nil
Jacob P Koshy	M.Sc, M.Phil	Asso.Prof.	Measure Theory	31	Nil
Prasad Cherian	M.Sc, M.Phil	Asso.Prof.	Topology	31	Nil
Susan Thomas	M.Sc, M.Phil,	Asso.Prof.	Graph Theory	23	Nil
Ligi George	M.Sc, M.Phil	Asst.Prof.	Statistical Inference	15	Nil
Susan George	M.Sc, B.Ed	Asst.Prof.	Fuzzy Mathematics	3	Nil
Abin John	M.Sc	Asst.Prof.	Distribution Theory	3	Nil
Ann Susa Thomas	M.Sc, M.Phil	Asst.Prof.	Algebra	3	Nil
Preethi Elsi	M.Sc	Asst.Prof.	Real Analysis	3	Nil
Thomas Mathew	M.Sc	Asst.Prof.	Algebra	3	Nil

11. List of senior visiting faculty:

- Dr. T Thrivikraman (HOD, CUSAT COCHIN)
- Dr. A Vijayakumar (Dept. of Maths CUSAT)
- Dr. Vinodkumar P B (Rajagiri College of Engineering & Technology, Ernakulam)

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

B.Sc - 18% (2011-12), M.Sc.-Nil(2011-12),

B.Sc. &M.Sc.(2012-13 & 2013-14) : Nil.

13. Student -Teacher Ratio (programme wise)

Programme	Ratio
B.Sc	36 : 1
M.Sc	6 : 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
Alexander K Samuel	M.Sc, M.Phil
Jacob P Koshy	M.Sc, M.Phil
Prasad Cherian	M.Sc, M.Phil
Susan Thomas	M.Sc, M.Phil, B.Ed
Susan George	M.Sc, B.Ed
Ann Susa Thomas	M.Sc, M.Phil
Preethi Elsi Thomas	M.Sc.
Thomas Mathew	M.Sc.
Ligi George	M.Sc, M.Phil
Abin John	M.Sc

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received-

Minor Research Projects:

Name	Funding Agency	Amt.Received
Prasad Cherian	UGC	1,30000
Ligi George	UGC	70000

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received :-

DST – FIST Grant:

DST has sanctioned a support of Rs. 50 Lakhs under FIST program – 2011 to strengthen teaching facilities for the 4 Departments – Mathematics, Physics, Chemistry and Zoology. The 1st installment of Rs. 39 Lakhs was released on 18/03/13.

National Seminar:

National seminar on “Recent Trends in Discrete Mathematics and Applications” conducted by the Department from 11-13th August, 2011, was funded by the UGC. The amount granted was Rs. 1,25,000/-.

18. Research Centre /facility recognized by the University : Nil

19. Publications:**a) Publication per faculty** -

- Study material on Linear Algebra for M.Sc Mathematics, Distance Education, Kerala University by Smt. Susan George
- Books Edited - Sri. Prasad Cherian is a member of the Editorial committee of the Journal ‘Reyono’, an interdisciplinary research journal published by St. Thomas College, Kozhencherry.

20. Areas of consultancy and income generated - Statistics Teachers help the Research Scholars of other Departments in statistical analysis. Open sources.

21. Faculty as members in**a) National committees b) International Committees c) Editorial Boards**

- Sri. Alexander K Samuel is serving as the Chairman, PG Board of studies, MG University
- Sri. Prasad Cherian is a member of the Editorial committee of the Journal ‘Reyono’, an interdisciplinary research journal published by St. Thomas College, Kozhencherry

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme B.Sc.(Maths) – 100% , M.Sc.(Maths) -100%
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies – Nil

23. Awards/ Recognitions received by faculty and students

- Sri. Alexander K Samuel appointed as Chairman, PG Board of studies, MG University, Kottayam

24. List of eminent academicians and scientists/ visitors to the department:

- Dr. T Thrivikraman, CUSAT, Cochin :
- Dr. A. Vijayakumar , Department of Mathematics, CUSAT , COCHIN
- Prof. V.K. Ramachandran Nair, Dept. of Statistics, CUSAT, COCHIN
- Dr. A R Rajan, Department of Mathematics ,Kerala University.,
- Dr. M.N.N. Nampoothiri . Department of Mathematics, CUSAT
- Dr. Vinod Kumar P.B., Department of Basic sciences, Rajagiri Engineering College, Kochi
- Dr. Shine C Mathew, SB College, Changanassery:
- Dr. Ram Kumar P.B., Department of Basic sciences, Rajagiri Engineering College, Kochi
- Dr. P Veeramani, IIT, Madras:
- Dr. K Viswanath, Exec. Director, TCS innovation Lab for Business Systems
- Dr. Baldev Banerjee, Formerly of Dibrugarh University, Assam
- Dr. Rajkumar Dare, Madras Christian College, Chennai
- Dr. V Swaminathan, Director, Ramanujan Centre for Mathematics, Madurai
- Dr. R Parvathy, Vellalar College for Women, Erode
- Dr. Muralikrishnan K, NIT, Calicut

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National :

National Seminar on “Recent Trends in Discrete Mathematics and applications” conducted by the Department from 11-13th August, 2011, which was funded by UGC

b) International : Nil

c) Workshop :

- The Department conducted a two-days workshop on ‘Number Theory and Cryptography’ on 15-16 Nov 2013 for PG students and Teachers. Students and Teachers of our College and nearby Colleges (MarThoma College, Tiruvalla, St.Aloysius College, Edathua

Catholicate College, Pathanamthitta and St.Thomas College, Pala) participated.Fund from PTA of the College

26. Student profile programme/course wise:

Name of the Programme	Applications recieved	Selected	Enrolled		Pass Percentage
			M	F	
2007-08					
B.Sc	179	60	16	26	77.8 %
M.Sc	62	18	1	15	73.3 %
2008-09					
B.Sc	195	60	12	21	83.9
M.Sc	36	15	1	10	66.7
2009-10					
B.Sc	250	60	15	31	78.1
M.Sc	53	18	2	16	54.5
2010-11					
B.Sc	235	60	18	18	66.7
M.Sc	CAP	10	2	8	87.5
2011-12					
B.Sc	CAP	41	13	28	91.7
M.Sc	CAP	15	0	15	60
2012-13					
B.Sc	CAP	47	14	33	80.6
M.Sc	CAP	15	2	13	33.3
2013-14					
B.Sc	CAP	53	15	38	63.4
M.Sc	CAP	15	1	14	

27. Diversity of Students (2007-2008 to 2013-2014)

Name of the Course	% of students from the same	% of students from other States	% of students from abroad
B.Sc.	100 %	0 %	0 %
MSc	100 %	0 %	0 %

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

Sl.No	Name	Course/Courses studied in the institution	Years of study	Qualifying Exam	Year of passing the qualifyi
1	Remya T.O.	M.Sc.	2004-06	SET	2008
2	Dhanya Mohan	M.Sc.	2003-05	SET	2008
3	Merin Annie Ponnachen	B.Sc	2001-04	SET	2008
4	Remya Raveendran	B.Sc, M.Sc	2001-06	SET	2008
5	Preethi Elsi Thomas	B.Sc	2003-06	NET	2009
6	Lini Mariam Mathew	B.Sc	2001-04	NET(JRF)	2009
7	Vivek	B.Sc.	2007-10	Defence services	2011
8	Anu Susan Abraham	B.Sc, M.Sc	2003-08	NET(JRF)	2011
9	Saju John	M.Sc.	2006-08	CTET	2011
10	Satya Kala	B.Sc.	2006-09	TET	2012
11	Saritha S.	M.Sc.	2007-09	CTET	2012

29. Student progression

Student progression	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
	%	%	%	%	%	%
UG to PG	51.9	58.1	40.63	45.8	58.3	47.2
PG to M.Phil.	-	-	-	-	-	6.7
PG to Ph.D.	-	-	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-	-	-
Employed						
• Campus Selection						

• Other than Campus Recruitment						
UG	66.6	32.3	43.8	33.3	19.4	11.1
PG	86.7	80	100	31.3	30	6.7
Entrepreneurship/Self-employment UG	-	-	3.13	4.2	-	2.8
PG	-	-	-	12.5	10	-

30. Details of Infrastructural facilities

- Library – Department Library consists of 181 books.
- Internet facilities for Staff & Students - Internet facility is available to all the students of the Department and staff.
- Class rooms with ICT facility- Nil
- Laboratories - A Computer Lab with 7 computers exists in the Department. This can be utilized by both the staff and students of the Department .

31. Number of students receiving financial assistance from college, university, government or other agencies

Year	Course	Students receiving assistance from Govt.	Higher Edn. Council/ University/College/Central Sector/Postmetric Minority/Single Girl Child Scholarship
2007-08	B.Sc	31	-
	M.Sc	15	-
2008-09	B.Sc	33	-
	M.Sc	11	-
2009-10	B.Sc	25	-
	M.Sc	7	-
2010-11	B.Sc	31	1
	M.Sc	8	
2011-12	B.Sc	33	1
	M.Sc	9	-
2012-13	B.Sc	45	5
	M.Sc	8	-
2013-14	B.Sc	78	7
	M.SC	13	-

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Workshops :

- The Department conducted a five- day workshop in Mathematics for PG students on 22,23,24,26 &27 November 2007. Students of our College and from neighbouring Colleges(Catholicate College, Pathanamthitta, Mar Thoma College, Tiruvalla) participated.
- The Department conducted a two-day workshop on ‘Number Theory and Cryptography’ on 15-16 Nov 2013 for PG students and Teachers. Students and Teachers of our College and nearby Colleges (MarThoma College, Tiruvalla, St.Aloysius College, Edathua Catholicate College, Pathanamthitta and St.Thomas College, Pala) participated.

Enrichment Programmes:

- A short-term course in Latex was conducted by the Department from 14/11/12 to 21/11/12 for our B.Sc and M.Sc students. Mr. Arunkumar A, Miss.Sheelu Abraham, and Mr. Blesson George, Research Scholars, Dept. of Physics, St. Thomas College, Kozhencherry handled the classes.
- Quiz Club : There is a Quiz Club in the Department. The members meet once in a week. Students are assigned several topics. They study those topics and present it. Quiz competitions are conducted regularly. Prof. Thomas Mathew is the in-charge.
- Puzzle contests: Puzzles are put on the Notice board every week. Interested Students answer them and submit to the teacher-in charge. Prize will be given.
- NET Coaching classes for PG students.
- Mathematics Association is working actively and conducts Annual competitions in Short story writing, Poetry writing, Essay writing, Pencil drawing, Painting, Cartoon, Light music, Recitation, Film song, Elocution, Dance, Chess Tournament etc.

33. Teaching methods adopted to improve student learning :

- **Remedial teaching** - Weak students of each class are identified by the respective teachers and they are encouraged to clear their doubts by approaching teachers during free time. Several teachers take remedial classes for these students in the morning and evening time.

- **Peer Group learning** – Students of each class is divided into several groups. Each group consists of students of different academic level. They discuss the difficult topics taught and the good students in each group help the weak students to understand these topics. This activity improves the skills and understanding level of each student.
- Conducting **Module wise test papers** other than the two internal tests.
- **Group Discussion** in the class – Teachers spare some time to discuss about the topics they taught in each class. Students utilize this time to share their difficulties and doubts and through discussions they clear these.
- **Assignments** – Teachers give assignments and home works, which enable the students to work out many problems from the topics they have studied.
- **Seminars** – Each student is assigned to take seminars, which improve the communication skills and their ability of self study.
- **Quiz competitions** – Several quiz competitions are conducted in General and subject related topics, under the leadership of Mathematics Association. Majority are conducted by students and this improve their knowledge in subject and general area.
- **Questions are asked** by the teachers regularly to test the student's knowledge regarding the previous classes.
- **Brilliant students** of each class are encouraged to take classes on certain portions of their syllabus

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities:**

Teachers Participation:

Jacob P Koshy: HOD, Mathematics Dept, Member of Staff council, Member of College Employees Cooperative Society Committee (2008-), Convenor of Tutorial Committee (2009-12), Member of Executive committee (Treasurer) of Common Computer Facility(2008 -), Member of College Garden Committee, Member of College Choir committee, Member of Discipline Committee, Member of Purchase committee of the College, Served as President of Mathematics Association (2005-09), Served as Convener and member of different Enquiry commissions, to enquire about the clashes between students. Convenor of Anti Ragging Cell of the College (2013-14).

Prasad Cherian :Served as Staff advisor of Arts Club (2009-10), Returning Officer of the College Union Election(2011-12), Staff Council Secretary

(2011-14), Executive Committee member of PTA(2012-13), General Co ordinator of NET/SET coachin, College Choir Master , Convenor of the National seminar conducted by Mathematics Dept, Member of Editorial committee of interdisciplinary journal 'Reyono' Secretary of AKPCTA(Teachers Organisation) , Member of Student Coordination Committee, Served as member of different Enquiry commissions, to enquire about the clashes between students.

Susan Thomas : Member of Director Board, College Co operative Store, Served as Executive committee member of Women Cell Unit of the College, Member of College Choir, Teacher in charge of NET coaching in the Department.

Ligi George :Executive committee member of the Women Cell Unit of the College, Secretary of Department Council

Susan George: Served as President of Mathematics Association, Treasurer of Women Cell of the College (2013-14)

Ann Susa Thomas : Executive committee member of the Women Cell Unit of the College, President of Mathematics Association, Member of College Choir, Treasurer of Women Cell of the College (2012-13)

Preethi Elsi Thomas :Served as a Programme Officer of the NSS Unit of the College., Taking coaching classes for the various competitive examinations for students of the College, Member of College Choir, Secretary of Women Cell of the College (2013-14)

Abin John :Executive committee member of Brains Trust, Executive committee member Tourism Club Executive committee member PTA, Taking coaching classes for the various competitive examinations for students of the College,Member of Internal Examination Committee (2013-14)

Thomas Mathew: Served as a Tutor of ASAP IT Training (2013-14), Executive committee member of Science Club of the College (2013-14), Member of College Admission Committee, Member of Internal Examination Committee (2013-14), Executive committee member of Brains Trust (2013-14), Teacher in charge of the Department Quiz Club, Serves as a Resource person of NET coaching classes, Teacher in charge of the puzzle contests conducting in the Department

Student Participation: Several of our students are active members of the NCC and NSS units of the College and they participate in various social activities relating to community development, blood donation etc.Arun , DC3 (2014-15) is a member of the College volley ball team . Several students are members of the College cricket team

35. SWOC analysis of the department and Future plans

Strengths

1. Cooperation among the members of the Department. A very cordial relationship exists among the members of the Department.
2. Good teacher - student relationship.
3. Maximum classes are taken in the Department without leaving the students free by engaging free hours, and taking extra classes.
4. An active Subject Association works in the Department.
5. Internet facilities available for all the students.
6. Reading room facility is made available in the Department.
7. Recreation facility is made available in the Department.

Weaknesses

1. Paucity of funds for computer maintainance. The Department needs more computers to provide practical facilities to students.
2. Quality of most of the students admitted to the DC1 & PG 1 classes are poor which is affecting the results.

Future Plans

1. Conduct more Association activities.
2. To conduct more seminars and value oriented talks to the students of the Department.
3. To conduct more remedial coaching classes to help weak students.
4. Improve the infrastructure facilities of the Department.
6. To improve the facilities in the computer lab. so that 2 or 3 students can get one computer.
7. To conduct regular NET Coaching classes for our students and nearby interested students.
8. To conduct regular Bank test Coaching classes for our students and nearby interested students.
9. To encourage the faculty to apply for minor and major projects .
10. To encourage the faculty to do research.

DEPARTMENT OF PHYSICS

1. **Name of the Department** : Physics
2. **Year of Establishment** : 1957
3. **Names of Programmes offered** : B.Sc. Physics
: M.Sc. Physics
4. **Names of Interdisciplinary courses and the departments/units involved** : Physics for Mathematics and Chemistry Departments
5. **Annual/ semester/choice based credit system (programme wise) :**
 B.Sc. (Physics) – Choice Based Credit & Semester System.
 M.Sc. (Physics) - Credit and Semester System.
 Ph.D in Physics (with specialization in Astrophysics and Biophysics)
6. **Participation of the Department in the courses offered by other Departments :**
 As part of academic curriculum our students attended various courses pertaining to
 - 1) Communicative English Course offered by the English Dept.
 - 2) Journalism course offered by the Malayalam Dept.
 - 3) Open Courses offered by other Departments
 - 4) Computer course offered by the Common Computer Facility of the College
 - 5) Complementary Chemistry offered by the Chemistry Dept and
 - 6) Add- on course on Computer maintenance by the Physics Department
7. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** No
8. **Details of courses/programmes discontinued (if any) with reasons :**
Nil
9. **Number of Teaching Posts**

Designation	Sanctioned	Filled
Strength	10	8
Associate Professors	-	7
Asst. Professors	-	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)* (2008-2014)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students
Usha Susan John (till 2013)	MSc	Asso.Prof.	Physics	24	Nil
Susan Thomas (till 2013)	MSc,M Phil.	Asso.Prof.	Ultrasonics	32	Nil
Joice John (till 2013)	MSc	Asso.Prof.	Electronics	14	Nil
C M Mathew(till 2013)	MSc	Asso.Prof.	Electronics	18	Nil
Moncy V John (till 2014)	MSc, PhD	Asso.Prof.	Theoretical Physics	29	1 ongoing
Jesso Annie Mathews	M.Sc, M.Phil	Asso.Prof. (HOD)	Electronics, Spectroscopy, Thin Films	30	Nil
Saji Chacko	M.Sc, M.Phil, PhD	Asso.Prof.	Material Science	30	Nil
Ninan Sajeeth Philip	M.Sc ,PhD	Asso.Prof.	Machine Learning, Computational Physics, Astronomy	28	5 Ph.D ongoing and 1 submitted thesis
K.C. Zachariah	M.Sc, M.Phil	Asso.Prof.	Electronics, Thin Films	28	Nil
Subha P	M.Sc	Asso.Prof.	Electronics	28	Nil
Susan Mathew	M.Sc, M.Phil, PhD	Asso. Prof.	Electronics, Thin Films	26	Nil
Seeniamma C Chennattusseri	M.Sc	Asso. Prof.	Electronics	26	Nil

Praveen S.S	M.Sc, Ph.D., PGDCJ	Asst. Prof.	Numerical Modelling of Coastal Process, Tsunami,	6 Mont hs	Nil
-------------	--------------------------	-------------	--	-----------------	-----

11. List of Senior Visiting Faculty:

The department regularly organises talks by senior and formally retired faculty to share their experiences and give lectures to the students and younger faculty members. The following members delivered talks to our students during the year 2013 – 14.

- Dr. Unnikrishnan (Asso.Prof. N.S.S College, Changanacherry) delivered talks on 'Space Physics'.
- Dr. B. Premlet delivered talks on "Recent Developments in Quantum Mechanics and Digital Signal Processing" in the seminar conducted by the Department of Physics.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student -Teacher Ratio (programme wise)

Programme	Ratio
B.Sc	22 : 1
M.Sc	5: 1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :

Sanctioned	Filled
3	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG

Sl. No.	Name	Qualification
1)	Jesso Annie Mathews	M.Sc, M.Phil
2)	Saji Chacko	M.Sc, M.Phil, PhD
3)	Ninan Sajeeth Philip	M.Sc ,PhD
4)	K.C. Zachariah	M.Sc, M.Phil
5)	Subha P Simon	M.Sc
6)	Susan Mathew	M.Sc, PhD
7)	Seeniamma C Chennattusseri	M.Sc
8)	Praveen S.S	M.Sc, PhD, PGDCJ

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received - 2

The below mentioned faculty are the principal investigators of projects funded by various agencies.

Name	Funding Agency	Amount (Lakhs)
Dr. Moncy V John	UGC	1.2
Dr. Ninan Sajith Philip	DST Govt. Of India	17.2 Lakhs* *(plus SA Ra. 468,000) 122 Lakhs 15.5 Lakhs 33.2 Lakhs
	ISRO	12.3 Lakh

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

DST – FIST Grant:

DST has sanctioned a support of Rs. 50 Lakhs under FIST program – 2011 to strengthen teaching facilities for the 4 Departments – Mathematics, Physics, Chemistry and Zoology. The 1st installment of Rs. 39 Lakhs was released on 18/03/13.

18. Research Centre /facility recognized by the University : Yes,

19. Publications per Faculty:

Name of Faculty	Int. Journal	Nat. Journal	Int. D.base	Edited Books	Books With ISBN	Cit. Index	Imp. factor
Ninan Sajeeth Philip	5	-	5	-		17	6.2
Moncy V. John	4	1	5		2	10	3.5
Saji Chacko	2			1			2
Praveen S	1		1				

- 20. Areas of consultancy and income generated :** Machine Learning, Neural networking. Open source
- 21. Faculty as members in** a) National committees b) International Committees c) Editorial Boards....

Dr. Ninan Sajeeth Philip

- Research Associate of IUCAA (a)
- IUSSTF(b)
- Indo-South African Virtual Observatory Project(b)
- Member in Astro Statistics and Astroinformatics Portal(b)
- Member in VO-India(a)
- Member in ASI(a)

Prof. K C Zachariah

- Senate member – MG University(2007-11)
- Member University Subject Expert Committee(Physics)
- Chief Examiner M.Sc 2nd Sem and B.Sc VI Sem(M G University)
- Editorial Board Member – Journal Titus Tracks (ISBN:2348-5727)
- Editorial Board Member – Teachers Voice

Dr. Praveen S S

- Nominated by Government of Kerala as Co-Convenor and Organizing Committee Member of Kerala Science Congress 2015 scheduled to be held on January 2015 at Alappuzha
- Workshop Faculty under Ministry of Earth Sciences (MoES), Government of India, Chennai
- Selected by Higher Education Department for Faculty Improvement Programme (FLAIR)
- Editorial Board Member of the Journal ‘Reyono’, an interdisciplinary research journal published by St. Thomas College, Kozhencherry.

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/ programme :
- : B.Sc.(Physics) – 100% ,
- : M.Sc.(Physics) -100%

- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies –

Year	Number of Students	Institution	Topic
2008	Three MSc Students	MG University	Thin Films
2009	Three MSc Students	MG University	Thin Films
2010	Four MSc Students	MG University	Thin Films
	Three MSc Students	ISRO, Thiruvananthapuram	SPL
2011	Two MSc Students	M G University	Thin Films
2013	Three MSc Students	M G University	Thin Films

23. Awards/ Recognitions received by faculty and students

- Ms. Prathibha Vasudevan secured second rank in B.Sc Physics Examination of M G University 2007
- Dr. Praveen S S selected as a Faculty Member in “Fostering Linkages in Academic Innovation and Research (FLAIR)” a programme for improving higher education sector in Kerala instituted by Higher Education Department , Government of Kerala.

24. List of eminent academicians and scientists/ visitors to the department:

- Emeritus researchers Dr. G. Madhavan Nair (Former Chairman, ISRO) and Prof. Ajit Kembhavi (Director,IUCAA) visited our department for deliberations engulfing the growth, research and development pertaining to Applied Physics
- Dr. Unnikrishnan (Faculty, N.S.S College, Changanasserry) delivered a talk on Space Physics
- Dr. K.P Satheesh (HOD & Former Principal, Government College,Nattakom) delivered a talk on Cosmology
- Dr. B. Premlet (Faculty, TKM Engineering College, Kollam) delivered a talk on the topic Recent Trends in Quantum Mechanics and Digital Signal Processing.

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National : Nil
 b) International : Nil
 c) Workshop : Dr.Ninan Sajith Philip (Faculty of this Department) organized two workshops
- Workshop on Research in Astronomy: Opportunities and Challenges, Host: Macfast, Thiruvalla, August 12- 14, 2013.
 - Workshop on Variability of Astronomical Sources, Host: Macfast, Thiruvalla, January 22 – 24, 2014.

26. Student profile programme/course wise:

Name of the course/programme		Applications sreceived		Selected		Enrolled		Pass percentage	
BSc	MSc	BSc	MSc	BSc	MSc	BSc	MSc	BSc	MSc
2008	2008	290	62	33	9	25	8	72	62.5
2009	2009	331	65	34	10	23	6	26.08	66.66
2010	2010	CAP	85	36	11	24	9	41.66	44.44
2011	2011	CAP	88	38	11	19	9	42.10	77.77
2012	2012	CAP	CAP	36	10	29	11	82.75	81.81
2013	2013	CAP	CAP	35	12	31	9	87.09	66.66
2014	2014	CAP	CAP	34	9	34	10	84.61	-

27. Diversity of Students: 2008 -'14

Percentage of students from the same state: B.Sc :100%,M.Sc : 100%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. : Five Students have qualified NET

29. Student progression

Student Progression UG	Against % enrolled						
	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
UG to PG	25	20	13	8.2	30	41.4	55
UG to B Ed	30	35	7	12.5	10	10	10

UG to Computer courses	15	20	8	20.8	10	20	10
Employed							
•Campus selection	-	-	-	-	-	-	-
•Other than campus Recruitment	20	15	22	20	30	17.6	10
Entrepreneurship/Self-employment	10	10	50	38.5	20	11	15

Student progression

Student progression PG	Against % enrolled						
	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
PG to B Ed	60	25	33	33	55	54.5	33
PG to Instrumentation courses / Bank	10	10	30	11	10	10	Nil
PG to M.Phil.	10	10	Nil	10	Nil	Nil	10
PG to Ph.D.	10	10	10	10	Nil	Nil	Nil
Ph.D. to Post-Doctoral	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Employed • Campus selection	-	-	-	-	10	20	-
Entrepreneurship/ Self-employment	10	20	15	10	10	20	10

30. Details of Infrastructural facilities

- a) Library – Department Library consists of more than 300 books.
- b) Internet facilities for Staff & Students - Internet facility is available to all the students of the Department and staff.
- c) Class rooms with ICT facility- Seminar hall is equipped with ICT Facility
- d) Laboratories - Computer Lab with 10 computers exists in the Department. This can be utilized by both the staff and students of the Department .

31. Number of students receiving financial assistance from college, university, government or other agencies.

Year	Course	Students receiving assistance from Govt.	Higher Edn. Council/ University/ College
2007-08	B.Sc	34	-
	M.Sc	5	-
2008-09	B.Sc	25	-
	M.Sc	5	-
2009-10	B.Sc	23	-
	M.Sc	6	-
2010-11	B.Sc	26	-
	M.Sc	9	-
2011-12	B.Sc	32	-
	M.Sc	8	-
2012-13	B.Sc	31	-
	M.Sc	5	1
2013-14	B.Sc	30	-
	M.SC	3	-

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Workshops :

Dr. Ninan Sajith Philip

(Faculty of this Department) organized two workshops

- Workshop on Research in Astronomy: Opportunities and Challenges, Host: Macfast, Thiruvalla, August 12- 14, 2013.
- Workshop on Variability of Astronomical Sources, Host: Macfast, Thiruvalla, January 22 – 24, 2014.

Enrichment Programmes:

- Emeritus researchers Dr. G. Madhavan Nair (Former Chairman, ISRO) and Prof. Ajit Kembhavi (Director, IUCAA) visited our department for deliberations engulfing the growth, research and development pertaining to Applied Physics
- Dr. Unnikrishnan (Faculty, N.S.S College, Changanassery) delivered a talk on Space Physics
- Dr. K.P Satheesh (HOD & Former Principal, Government College, Nattakom) delivered a talk on Cosmology

- Dr. B. Premlet (Faculty, TKM Engineering College, Kollam) delivered a talk on the topic Recent Trends in Quantum Mechanics and Digital Signal Processing.
- NET Coaching classes are being conducted in the Department for PG students for the last few years

Department Association

- Physics Association plays a prominent role paving way for updating the ongoing trends in the subject.
- Conducts seminars, remedial classes. Interactions and discussions
- Festivities are celebrated by arranging several programmes by the students.
- An exclusive Physics library is functioning in our Department with books in physics and frontier areas of physics
- A special notice board is provided for expressing the innovative thoughts, research components, reflections, ideas and creativity of the students.
- Seminars/lectures/workshops/counseling classes are conducted by the Association for fostering academic innovations:

33. Teaching methods adopted to improve student learning :

- **Remedial teaching** - Weak students of each class are identified by the respective teachers and they are encouraged to clear their doubts by approaching teachers in free time. Several teachers take remedial classes for these students in the morning and evening time. Teachers act as an interfacing node for theory and practical tutorials.
- **Peer Group learning** – Students of each class is divided into several groups. Each group consists of students of different academic level. They discuss the difficult topics taught and the good students in each group help the weak students to understand these topics. This activity improve the skills and understading level of each student.
- Conducting **Module wise test papers** other than the two internal tests.
- **Group Discussion** in the class – Teachers spare some time to discuss about the topics they taught in each class. Students utilize this time to share their difficulties and doubts and through discussions they clear these.
- **Assignments** – Teachers give assignments and home works, which enable the students to work out as many problems from the topics they have studied.

- **Seminars** – Each student is assigned to take seminars, which improve the communication skills, proficiency in subject and their ability of self study.
- **Questions are asked** by the teachers regularly to test the student's knowledge regarding the previous classes.
- **PG Students** are encouraged to **take specific topics** on subjects

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Teachers Participation:

Jesso Annie Mathews,

- Member of Staff council
- Co-ordinator, Remedial teaching program, Dept. of Physics.
- Executive committee member , Brains Trust
- Member, IQAC Committee – Infrastructure and Learning Resources.

Dr. Ninan Sajeeth Philip

- Co-ordinator, Science Club

K.C.Zachariah.

- College Staff Advisor(2010-11 and 2011-12)
- Secretary PTA Committee
- Governing Council Member Titus II B.Ed College Thiruvalla
- Member ,College Staff Council
- Convener College Anti – Ragging
- Coordinator , CBCSS
- Member ,College Planning Board
- Convener , IQAC
- Association President and Staff Advisor- Physics
- Additional Chief Superindendant of University Exams of the College
- Member , U G Board of Studies(CBCSS)
- Co-ordinator of an academic Seminar entitled “Recent Developments in Quantum Mechanics and Digital Signal Processing” Conducted by Department of Physics, St. Thomas College Kozhenchery
- Member FIST Committee of the College

Subha P Simon.

- Member Internal Examination Committee
- Director Board Member, Co-Operative Society, St. Thomas College Kozhenchery
- Member IQAC-Teacher Learning Committee

Dr. Susan Mathew

- Vice President of Woman Cell in 2009-2010
- Member , IQAC Sub Committee-‘Infrastructure and Learning Resources.
- Faculty ,Tutorial system
- Member, Science Club

Seeniamma C Chennattucherri.

- Secretary of Women Cell, 2010-11.
- Convenor, NET Coaching, Department of Physics
- Member IQAC committee for Innovative Practices
- Faculty, Tutorial System

Dr. Praveen S S

- Programme Officer of National Service Scheme (NSS) since June 2014.
- Editorial Board Member of Journal ‘Reyono’, an interdisciplinary research journal published by St. Thomas College, Kozhencherry

Student Participation:

Several of our students are active members of the NCC and NSS units of the College and they participate in various social activities relating to community development, blood donation etc. Several of our students are active members of the Brains Trust. Several students are members of the College volley ball team.

35. SWOC analysis of the department and Future plans**Strengths**

- Cooperation among the members of the Department. A very cordial relationship exists among
- the members of the Department.
- Good teacher - student relationship.
- Maximum classes are taken in the Department without leaving the students free by engaging free hours, and taking extra classes.

- An active Subject Association works in the Department.
- Internet facilities available for all the students.
- Reading room facility is made available in the Department.

Weaknesses

- Paucity of funds for laboratory maintenance.
- Quality of most of the students admitted to the DC1 & PG 1 classes are poor which is affecting the results.

Future Plans

- Hosting of a National Seminar with lead invited talks
- To encourage the faculty to apply for minor and major projects.
- To encourage the faculty to do research.
- Establishing few more research centers in diverse areas of physics
- Generation of publications from the department
- To conduct more seminars and value oriented talks to the students of the Department.
- To conduct more remedial coaching classes to help weak students.
- NET coaching classes for our PG students
- Improve the infrastructure facilities of the Department.
- To improve the facilities in the computer lab

DEPARTMENT OF CHEMISTRY

1. **Name of the Department** : Postgraduate and Research
Department of Chemistry
2. **Year of Establishment** : 1957
3. **Names of Programmes offered** : B.Sc. Chemistry
M.Sc Analytical Chemistry
Ph. D. in Chemistry
4. **Names of Interdisciplinary courses and the departments/units involved** :

The Chemistry department runs an interdisciplinary “Open Course” on Food Science as part of the CBCSS curriculum. The departments involved in the course are

Physics	Malayalam	Zoology	History	Economics
Botany	Mathematics	Commerce		

- Complimentary course in Chemistry for Physics, Botany and Zoology students.
5. **Annual/ semester/choice based credit system (programme wise)** :
Semester Courses:
 - (i) B.Sc. Chemistry Choice Based Credit and Semester System:
 - (ii) M.Sc. Analytical Chemistry Credit and Semester System :
 - (iii) Research Ph.D Programme in Chemistry
 6. **Participation of the Department in the courses offered by other Departments:**
 - Open Courses offered by other Departments,
 - Computer course offered by the Common Computer Facility Centre of the College
 - Communicative English Course offered by the English Dept.,
 - Complementary Physics offered by the Physics Department
 - Complementary Mathematics offered by Mathematics department.
 7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NA
 8. **Details of courses/programmes discontinued (if any) with reasons** :
NA

9. Number of Teaching posts

	Sanctioned	Filled
Professor	Nil	Nil
Associate Professor	6	6
Asst. Professor	1	1
Junior Lecturer	2	2

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D students guided
Prof. Jolly Anne Thomas	MSc, M.Phil.	Associate Prof.	Physical Chemistry	31 yrs	NA
Dr. Varghese Philip	MSc, M.Phil, Ph.D	Associate Prof.	Inorganic Chemistry	31 yrs	1
Prof. John K Abraham	MSc, M.phil,	Associate Prof.	Organic Chemistry	29 yrs	NA
Dr. Varghese Oommen	MSc, Ph.D	Associate Prof.	Inorganic Chemistry	25 yrs	Nil
Prof. Mony George	MSc, M.phil,	Associate Prof.	Analytical Chemistry	22 yrs	NA
Dr. Viju Susan Mathew	MSc, M.phil, Ph.D	Associate Prof.	Analytical Chemistry	27 yrs	Nil
Lucy Mathew	MSc, M.phil,	Junior Lecturer	Organic Chemistry	16 yrs	NA
Jyothy Sara John	MSc, M.phil,	Junior Lecturer	Physical Chemistry	7 yrs	NA
Dr. Susan Abraham	M.Sc PhD	Assistant Professor	Organic Chemistry	1 ½ yr	NA

11. List of senior visiting faculty:

Name	Qualification	Designation	Specialization
Dr. P V Babykutty	MSc PhD	Professor	Physical Chemistry
Prof. P T Daniel	MSc	Professor	Organic Chemistry
Prof . P M Thomas	MSc	Professor	Physical Chemistry
Prof. Aleyamma	MSc	Professor	Organic Chemistry
Prof. K M Mathew	MSc	Professor	Organic Chemistry
Prof. M T Sosamma	MSc	Professor	Physical Chemistry
Prof PC Rajankunju	MSc	Professor	Physical Chemistry
Prof Mathew V Thomas	MSc M Phil	Professor	Organic Chemistry
Dr. L Uma Devi	MSc M Phil Ph D	Professor	Physical Chemistry
Prof. Daisiamma	MSc	Lecture Selection	Physical Chemistry
Prof Abraham Joseph	MSc	Lecture Selection	Organic Chemistry
Prof. Issac Abraham	MSc	Lecture Selection	Physical Chemistry

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Year	Lectures delivered	Practicals
2007-2008	UG- 10% PG- 15 %	UG -10% PG - Nil
2008-2009	UG-20% PG - 10%	UG – 20% PG-Nil
2009-2010	UG-20% PG – 10 %	UG- 20% PG - Nil
2010-2011	UG – 30 % PG – 10%	UG – 30% PG – Nil

2011-2012	UG - Nil PG – Nil	UG – Nil PG – Nil
2012-2013	UG- Nil PG – Nil	UG – Nil PG – Nil
2013-2014	UG- 20% PG – Nil	UG – 20% PG – Nil

13. Student -Teacher Ratio (programme wise)

UG : 15:1
PG : 4:1

14. Number of academic support staff (technical) and administrative staff sanctioned and filled :

Staff	Sanctioned	Filled
Technical Staff	1	-
Academic Support Staff	4	3

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG

Teaching Faculty	Qualifications
Prof. Jolly Anne Thomas	M.Sc. M.Phil
Dr. Varghese Philip	M.Sc. M.Phil, PhD
Prof. John K. Abraham	M.Sc, M.Phil
Dr. Varghese Oommen	M.Sc, PhD
Prof. Mony George	M.Sc, M.Phil
Dr. Viju Susan Mathew	M.Sc, M.Phil, PhD
Smt. Lucy Mathew	M.Sc, M.Phil
Smt. Jyothy Sara John	M.Sc, M.Phil
Dr Susan Abraham	M.Sc, Ph.D

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received :

UGC funds for UG and PG assistance were received for the plan period 2007 – 2012.

Sl.No	Item	Funding Agency	Amount received (Rs.)
1	UG Assistance	UGC	102,116
2	PG Assistance	UGC	360,000
3	FIST	DST	14,99,000

18. Research Centre /facility recognized by the University :

The department is upgraded as a Research Department under Mahatma Gandhi University vide order no. UO1176 ACAVI/RC/2009 dtd.09/03/2010

19. Publications per faculty:

Number of papers published in peer reviewed journals (national / international) by faculty and students

Name of Faculty	Int. Journal	Nat. Journal	Int. D.base	Chpt. In Books	Books With ISBN	Cit. Index	Imp. factor
Viju Susan Mathew	5		5	1		10	2.59
Susan Abraham	1		1				2.56

20. Areas of consultancy and income generated

PG students of Physics and Botany were assisted in doing projects. No income is generated.

21. Faculty as members in :a) National committees b) International Committees c) Editorial Boards....

Dr. Varghese Philip

1. Member, PG Board of studies M G University.
2. Subject expert for Chemistry, MG University.
3. Research Guide in the Department of Chemistry.
4. Editor, Reyono Journal of Interdisciplinary Studies

Dr. Varghese Oommen

1. Research Guide in the Department of Chemistry.
2. Subject expert for Chemistry, MG University

Dr. Viju Susan Mathew

Joint convenor, Santhome Global sub committee

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental /programme : Since 2011, all Chemistry UG students (100%) do their projects, as part of CBCSS curriculum, in our laboratory.
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies – 100% PG students do their projects in reputed laboratories outside the institution.

Year	Name of the institute / research laboratory/ Industry	%of Students
2008	Travancore Titanium Products Ltd Thiruvananthapuram	20
	Sangrose Laboratories Pvt Ltd, Industrial estate, Kallimel, Mavelikara	20
	Common Facility Service Centre, department of Industries, Govt. of Kerala, Changanassery	40
2009	Travancore Cements Limited , Nattakom, Kottayam	30
	Akay Flavours and Aromatics Ltd, Nallanikunnu, Pathanamthitta	40
	Common Facility Service Centre, department of Industries, Govt. of Kerala, Changanassery	30
2010	Fertilizers and Chemicals Travancore Limited, Udyogamandal, Aluva.	40
	Travancore Titanium Products Ltd. Thiruvananthapuram	20

	Travancore Cements Limited , Nattakom, Kottayam	20
	Akay Flavours and Aromatics Ltd, Nallanikunnu, Pathanamthitta	20
2011	Kerala Metals and Minerals, Chavara, Kollam	20
	Fertilizers and Chemicals Travancore Limited, Udyogamandal, Aluva.	20
	Akay Flavours and Aromatics Ltd, Nallanikunnu, Pathanamthitta	40
	Sangrose Laboratories Pvt Ltd, Industrial estate, Kallimel, Mavelikara	20
2012	Akay Flavours and Aromatics Ltd, Nallanikunnu, Pathanamthitta	40
	Sangrose Laboratories Pvt Ltd, Industrial estate, Kallimel, Mavelikara	20
	Fertilizers and Chemicals Travancore Limited, Udyogamandal, Aluva.	20
	Kerala Metals and Minerals, Chavara, Kollam	20
2013	Sangrose Laboratories Pvt Ltd, Industrial estate, Kallimel, Mavelikara	20
	Kerala Metals and Minerals, Chavara, Kollam	40
	Akay Flavours and Aromatics Ltd, Nallanikunnu, Pathanamthitta	30
	District Soil Testing Laboratory Thikkodi	10

8. Awards/ Recognitions received by faculty and students

Faculty:

Dr. Varghese Philip : Subject expert of Mahatma Gandhi University (2010-2013)
 Research guide from 2010
 Member, PG Board of Studies, M G University.(2010-2013)

Dr. Varghese Oommen : Subject expert of Mahatma Gandhi University
(2007-2010) research guide from 2010

Viju Susan Mathew : Awarded Ph D by Mahatma Gandhi University in
2011.

Student:

Ragesh Nath of DC II Chemistry represented Kerala State in the Republic day
parade, New Delhi.

**24. List of eminent academicians and scientists/ visitors to the
department:**

Year	Name of the scientist/ academician	Designation
2008	Sri. Raju Narayana Swamy	District collector Pathanamthitta
	Dr Suresh Das	Head, Chemical science & Technology, NIIST, Thiruvananthapuram
	Dr George Thomas	Scientist, Chemical science & Technology, NIIST, Thiruvananthapuram
	Dr Sabu Thomas	Professor, School of Chemical Sciences, M G University, Kottayam.
	Dr Siby Varghese	Scientist, Rubber Technology Division, Rubber Research Institute, Kottayam
	Dr S Ramakrishna	Professor, IISc, Banglore
	Dr M Padmanabhan	Professor in Inorganic Chemistry, ISER, Thiruvananthapuram
	Dr. S.Sugunan,	Professor in Physical Chemistry, CUSAT
2009	Dr Sabu Thomas	Professor, School of Chemical Sciences, M G University, Kottayam.
	Dr Jacob Mathew	School of Pedagogical Sciences, M G University, Kottayam
2010	Dr M R Pratapachandra Kurup	Professor in Inorganic Chemistry, CUSAT
	Dr M Padmanabhan	Professor in Inorganic Chemistry, ISER,

2011		Thiruvananthapuram
	Mr. Rahul Nath R	Civil Services Kerala Topper 2011
2012	Dr. K G .Varghese	Havelment University, Burgan, Norway
	Dr. Jobin T Varghese (Norway) MBBS MD @ 25,	YUVA fame
2013	Dr. Baby Thomas,	St Joseph's College, Moolamattom

25. Seminars/ Conferences/Workshops organized & the source of funding

- National seminar on Major Trends in general and Applied chemistry sponsored by CSIR and KSCSTE on 25th- 27th March 2008.
- Workshop for DC I Main students on CBCSS by Prof. Motti Zachariah, Member Board of studies in UG chemistry of CBCSS, MG university. Fund – PTA
- A seminar on scientific thinking – by Dr. Prathapa Chandra Kurup, Professor in Inorganic chemistry, CUSAT on 8th December 2010. Fund - Chemistry Association.
- A special lecture on “Structural prediction on Organometallic compounds and I solobal analogy” was conducted on 16th December 2011 to commemorate International year of Chemistyr 2011. Dr . M Padmanabhan, Professor, IICER, Thiruvananthapuram was the resource person. Fund -Department association
- A one day seminar was arranged for Post graduate students of the neighbouring colleges in Computational Chemistry in 2013. Funding PTA

26. Student profile programme/course wise:

Year	Name of the Program me	Applicat ions received	Selected	Enrolled		Pass Percentag e
				M	F	
2007-08	B.Sc	34	25	7	16	48
	M.Sc	23	11	1	10	60
2008-09	B.Sc	26	15	6	9	43
	M.Sc	24	8	0	8	86
2009-10	B.Sc	36	23	1	22	36
	M.Sc	26	9	0	9	78
2010-11	B.Sc	CAP	27	7	20	52
	M.Sc	CAP	9	2	7	67
2011-12	B.Sc	CAP	26	7	13	62
	M.Sc	CAP	7		7	43

2012-13	B.Sc	CAP	26	10	16	57
	M.Sc	CAP	10		10	33
2013-14	B.Sc	CAP	26	8	18	77
	M.Sc	CAP	10	2	8	

27. Diversity of Students (2008-14):

Percentage of students from the same state: B.Sc :100%,M.Sc : 100%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

Sl.No	Name	Course/Courses studied in the institution	Qualifying Exam
1	Sindhu	M.Sc.	SET 2008
2	Sreeja K G	M.Sc.	NET 2011
3	Sharon Achamma	B.Sc	NET 2008
4	Janey Mary Mathew	M.Sc	NET 2010
5	Rintu Mathew	B.Sc	NET 2012

29. Student progression

Student progression UG	Against % enrolled						
	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
UG to PG	30	30	25	30	35	36 %	30
UG to B Ed	30	35	35	25	30	24	30
UG to Computer courses	10	10	15	10	10	20	15
Employed							
• Campus selection	-	-	-	-	-	-	-
• Other than campus Recruitment	20	15	15	20	15	10	10
Entrepreneurship/Self-employment	10	10	10	15	10	10	15

Student progression

Student progression PG	Against % enrolled						
	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
PG to B Ed	50	50	45	50	50	45	50
PG to Instrumentation	10	10	20	10	10	10	20
PG to M.Phil.	10	10	Nil	Nil	Nil	Nil	Nil
PG to Ph.D.	Nil	Nil	10	Nil	Nil	10	Nil
Ph.D. to Post-Doctoral	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Employed Campus selection	-	-	-	-	-	-	-
•Other than campus Recruitment	20	10	15	15	20	15	20
Entrepreneurship/Self-employment	10	20	15	10	20	20	10

30.Details of Infrastructural facilities**Lecture Halls**

B.Sc Lecture Hall	30 feet×19 feet
M.Sc Previous Lecture hall	30 feet× 19 feet
M.Sc final Lecture hall	10 feet× 19 feet

Laboratories

B.Sc (Main &sub) Laboratory	69 feet×30 feet
B.Sc Chemical store room	30 feet×10 feet
Instrumentation room	30 feet×4 feet
M.Sc Laboratory (Inorganic and Physical)	47 feet×36 feet
M.Sc Organic &Research Laboratory and Library room	59 feet×30 feet
M.Sc Skilled Room	20.5 feet×12 feet
M.Sc Chemical store room	16 feet×12 feet
Research Scholars room	10 feet×6 feet

M.Sc Balance room	46 feet×6 feet
Generator room	12 feet×6 feet
Toilet	12 feet×6 feet
Rain harvesting tanks (2 numbers)	12 feet×6 feet×2
Computer Laboratory	
Administration Rooms	
Room for HOD	12 feet×6 feet
Staff Room	30 feet×12 feet

- a) Library – There is no Department Library. Students use General library for both text books and reference.
- b) Internet facilities for Staff & Students - We have Internet facility in the department. Both staff and students utilize during their free time.
- c) Class rooms with ICT facility- We are planning to set one Classroom with ICT facility. We have LCD projector and Laptop in the department which enable us to take audio visual presentations. Alumni supported computer laboratory facilitate easy access to internet.
- d) Laboratories - Both BSc and MSc students have good laboratory facilities.

DST- FIST grant provided us Sophisticated instruments like UV Spectrophotometer, Vacuum Oven, Polarimeter etc.

FIST supported computer laboratory include four computers allotted to the department.

31. Number of students receiving financial assistance from college, university, government or other agencies.

Year	Course	Students receiving assistance from Govt.	Higher Edn. Council/ University/ College
2007-08	B.Sc	57	-
	M.Sc	11	-
2008-09	B.Sc	57	-
	M.Sc	6	-
2009-10	B.Sc	50	-
	M.Sc	6	-
2010-11	B.Sc	41	-
	M.Sc	10	-
2011-12	B.Sc	32	-
	M.Sc	15	-

2012-13	B.Sc	44	-
	M.Sc	16	-
2013-14	B.Sc	50	-
	M.SC	11	-

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

- Counseling classes were handled by Smt. Jolly George in 2012 on behalf of Chemistry association.
- Observation of Hiroshima Day, International Year of Chemistry etc. and interaction with eminent scientists.
- Hands-on experience for manufacture of soaps was arranged for students.

33. Teaching methods adopted to improve student learning :

Giving test papers, Seminars, Assignments, Rapid quizzing, Power Point presentations etc are the various methods followed by the faculty.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Our students are active members of the NCC and NSS units of the College and they participate in various social activities relating to community development and health programmes like blood donation, organ donation etc. To inspire and to instill research aptitude among the school children in the locality, exhibition in Chemistry is arranged occasionally. Our students, both UG and PG take up projects based on environmental pollution.

35. SWOC analysis of the department and Future plans

Strengths

1. Adequate facilities are provided for theory and practical classes.
2. Tutorial hours enable us to have good interaction with students and thereby develop personal relationship with them.
3. Zero hour classes are regularly taken to ensure syllabus completion.
4. Counselling is provided by identifying the needy.
5. Financial support is provided in genuine cases.
6. Free Internet facility is available for all the students.
7. Most of the books referred in the syllabus are made available in the library.
8. Research centre in Chemistry provides assistance to UG students to complete their projects.

Weaknesses

1. Lack of adequate teaching staff. Appointments are indefinitely delayed due to the policy decision of the ruling front.
2. Majority of the students are of average level. Only a few have genuine aptitude for chemistry.
3. CAP allotment brings students from far off places who leave after second allotment resulting in vacancies which will be filled by the supplementary allotment which mostly involve students with 35 to 40 % marks in science subjects. This reflects in the overall results of the department..

Opportunities

1. With the installation of Sophisticated instruments PG students get ample chances to do projects in the department itself.
2. Department can collaborate with other research centres.
3. More students can join research.
4. New faculty can take up major projects.

Challenges

Academic excellence is not given due significance in the selection. Dedication and commitment on the part of students as well as teaching faculty is on a decreasing trend.

Future Plans

1. ICT coaching to all students .
2. Remedial coaching to be effectively carried out.
3. New generation faculty may be oriented to take up projects and post-doctoral research.
4. NET coaching , Bank coaching, UPSC coaching classes can be taken up.

DEPARTMENT OF BOTANY

1. **Name of the Department** : The Postgraduate and Research Department of Botany
2. **Year of Establishment** : 1958
3. **Names of Programmes / Courses offered** : UG, PG and Ph.D.(Botany)
4. **Names of Interdisciplinary courses and departments/units involved** : Agri based micro enterprises Students of Economics, English, Malayalam, Chemistry, Physics, Zoology, History, Hindi and Commerce.
5. **Annual/semester/choice- based credit system** :
UG - Choice Based Credit & Semester System, PG- Credit and Semester System
6. **Participation of the Department in the courses offered by other departments**
Open Courses offered by other Departments, For First and Second Year B.Sc Zoology students Complementary courses are offered. Students are also participating in the add on courses like Communicative English and Journalism
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
Professors	Nil	NA
Associate Professors	7	7
Asst. Professors	1	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided
Dr. Annie J Mathew	M.Sc., M.Phil., Ph.D.	Associate Professor & HoD	Microbiology & Biotechnology	28	-
Dr. K. Mary Varghese	M.Sc., M.Phil., Ph.D.	Associate Professor	Environmental Science	28	-
Prof. Achamma Kurien	M.Sc., M.Phil.	Associate Professor	Reproductive Biology	24	-
Dr. Elizabeth Thomas	M.Sc., M.Phil., Ph.D.	Associate Professor	Cytogenetics & Biotechnology	20	-
Dr. Jasy Thomas	M.Sc., Ph.D.	Associate Professor	Mycology	19	1
Dr. Thomas P. Thomas	M.Sc., Ph.D.	Associate Professor	Eco-physiology	18	-
Dr. Thomas John	M.Sc., Ph.D.	Associate Professor	Aerobiology/ Palynology	18	1
Dr. Leena Abraham	M.Sc., Ph.D.	Assistant professor	Ecology and Remote Sensing	0.5	-
Dr. K. Danielkutty	M.Sc., M.Phil., Ph.D.	Associate Professor (Rtd)	Algal Ecology	32	1

11. List of senior visiting faculty: Prof. C. G. Varughese and Dr. Abraham Mathew

12. Percentage of lectures delivered and practical classes handled (programme- wise) by temporary faculty: NA

13. Student -Teacher Ratio (programme wise): U.G.- 20: 1, P.G- 6:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Technical:01
Administrative staff:03

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./P.G.

1	Dr. Annie J. Mathew	M.Sc., M.Phil., Ph.D.
2	Dr. K. Mary Varghese	M.Sc., M.Phil., Ph.D.
3	Prof. AchammaKurien	M.Sc., M.Phil.
4	Dr. Elizabeth Thomas	M.Sc., M.Phil., Ph.D.
5	Dr. Jasy Thomas	M.Sc., Ph.D.
6	Dr. Thomas P. Thomas	M.Sc., Ph.D.
7	Dr. Thomas John	M.Sc., Ph.D.
8	Dr. Leena Abraham	M.Sc., Ph. D
9	Dr. K Daneilkutty (Retired)	M.Sc., M.Phil., Ph.D.

16. Number of faculty with ongoing projects from National agencies and grants received

Name	Funding Agency	Grant received
Annie J. Matthew	UGC	83,000
K. Danielkutty	UGC	1,10,000
K. Mary Varghese	UGC	1,05,000
Jasy Thomas	UGC	2,00,000

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

DST-FIST	Received amt. Rs.29 lakhs
UGC	Rs.6.50 lakhs
DST	Rs.50,000/- National Seminar
KSMPB	Rs.2,00000/-
UGC XII plan PG Grant	Rs.50,000 for field trip studies for PG Students
UG Grant	-
PG Grant	Rs. 3,20,000/-

- 18. Research Centre /facility recognized by the University:**
Recognized Research Center of M. G. University, Kottayam
- 19. a) Publications:Papers published/communicated**

Name of Faculty	Int. Journal	Nat. Journal	Int. D.base	Chpt.In Books	Edited Books	Imp. factor
Dr. Annie J. Mathew	2	1	2	-	1	2.612
Dr. K. MaryVarghese	1	-	-	-	-	-
Dr. Jasy Thomas	-	-	-	-	2	-
Dr. Thomas John	-	1	-	-	-	-
Dr. Leena Abraham	-	-	-	3	-	-
Dr. K. Danielkutty	-	-	-	-	1	-

- 20. Areas of consultancy and income generated :**
Mushroom cultivation and spawn production - Open source

- 21. Faculty as members in a) National committees, b) International Committees, c). Editorial Board**

Dr. Leena Abraham

Indian Society of Remote Sensing
Indian Society of Geomatics .

Dr. Thomas John

NSS Advisory Committee Member, M.G University)

Editorial Board Member,
Reyono Journal of Interdisciplinary Studies.

Dr. Danielkutty, Dr. Jasy Thomas, Dr. Elizabeth Thomas
Member, OISCA International

22. Student Projects a)Percentage of students who have done in-house projects including inter departmental/programme:

M.Sc.- 100%, B.Sc.-100%

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies - Nil

23. Awards/ Recognitions received by faculty and students

a)Faculty

Dr. Annie J. Mathew Head of the department

1. Member, PG Board of studies in Botany, M. G. University.

Dr. Elizabeth Thomas

1. **Member** of the Senate (2010-15) of M.G. University, Kottayam.
2. **Member** Board of studies in Botany (UG), M.G. University, Kottayam.
3. **Member** Board of studies in Botany (UG), Kerala University, Thiruvananthapuram.
4. **Member** of Subject Expert panel of M.G. University, Kottayam.
5. **Chairman and Board member** of Board of question paper setters of other Universities
6. **Dr. Thomas P. Thomas**

1. **Resource person at UGC Academic Staff College**, Kerala University, Thiruvananthapuram
2. **Member of All Kerala River Protection Council**, Aluva and involved in programmes related to conservation of rivers in Kerala, especially against fecal and biomedical contamination.

Dr. K. Danielkutty, Retired Faculty

1. **Chairman**, Board of Studies in Botany (U.G.), M. G. University, Kottayam
2. **Secretary**, OISCA International, Pathanamthitta District Chapter, adjudged as the **Best District Secretary** of the Year **2009**.

3. **Member**, M. G. University **Senate** (2006 –2010)
4. **Member** of Subject Expert panel of M.G. University, Kottayam

b) Students

- **Caroline Asha Mathew** bagged **First Rank** in B.Sc Botany (2007) M. G. University, Kottayam
- **AdheenaElza Johns** is the M G University Topper among BA, BSc and B.Com Degree programmes (2014) with a Grade point of 3.9 A+
- **AdheenaElza Johns** secured Third place with **A Grade** in Malayalam Essay writing competition MG University Youth festival SARGOLSAVAM 2011-2012-
- **AdheenaElza Johns** B.Sc Second Year Botany bagged second prize for Intercollegiate Project presentation competition on Biodiversity Conservation at Assumption College, Changanacherry December 2012
- **Vishnu K.A** B.Sc Second Year Botany Best Participant Award for National Integration programme conducted by National Service ,Scheme at Jaipur December 2012.
- **Vishnu K A** Secured the best NSS Volunteer award of the M G University. 2013
- **Adheena Elsa Johns and Tom P Mathews** of BSc final Year bagged second prize in All Kerala Quiz competition held at Basalious college Kottayam

24. List of eminent academicians and scientists/ visitors to the department

1. Dr. A.R. Menon, Scientist, KFRI, Peechi, 2008.
2. Dr. C I. Jolly, Prof. of Biochemistry, Amala Cancer Research Center, Thrissur, 2008.
3. Dr. Thomas P. Thomas, Scientist, KFRI, Peechi, 2008.
4. Dr. Madusoodan, Prof. & Head, Dept of Botany, Calicut University, 2008.
5. Dr. K. Jayachandran, Ho D, Dept. of Biotechnology, School of Biosciences , M. G. University, Kottayam 2009.
6. Prof. Paul V. Karamthanam, Associate Professor, St. Thomas College, Pala & Secretary, Kerala Botanical Society, 2009.
7. Dr. P. P. Raveendran, Director Collegiate Development Council, M. G. University, Kottayam, 2009.
8. Dr. C. Mohanan, Scientist, KFRI, Peechi, 2009.
9. Dr. K. Mani Varghese, Retd. Prof. U.C. College, Aluva, 2009.
10. Prof. Dr. Monimohan, Associate Professor, Calicut University, 2009.
11. Dr. T. Muthukumar, Associate Professor, Bharathiar University, 2009.
12. Dr C Mohanan Scientist KFRI Peechi, 2009.

13. Dr K Mani Varghese Retd. Professor U C College, Alwaye, 2009.
14. Dr P Manimohan, Professor, Calicut University, 2009.
15. Dr Alex John Subject Matter Specialist K.V.K. Thelliyoor, 2009.
16. Dr T Muthukumar Bharathiyar University, Coimbatore. 2009.
17. The Most Rt. Rev. Philipose Mar Chrysostum Valiya Metropolitan, 2010.
18. Rt. Rev. Dr. Issac Mar Philoxinos Episcopa, Former College, Manager, 2010.
19. Rt. Rev. Geevarghese Mar Athanasius Episcopa, College Manager, 2010.
20. Dr. V. S. Vijayan Chairman, Kerala State Biodiversity Board, 2010.
21. Dr. N. Anilkumar, Director, Dr. M.S.S .R .F, Wayanadu, 2010.
22. Fr. Dr. Mathew Mazhvancheri, Director, MACFAST, Thiruvalla, 2010.
23. Mr. V.H. Muhammed Esa Sahib, Rtd. Director, Keral Police Finger Print Bureau, 2011.
24. Mr. Varghese P. Thomas Retd. DYSP, CBI (Special Officer in Abhaya Case) 2011.
25. Dr. R.V. Varma , Chairman, Kerala State Biodiversity Board, 2011.
26. Adv. Anzil Zachariah, 2011.
27. Prof. O. A. Cherian, Former Principal, St. Thomas College, Kozhencherry, 2011.
28. Rev. Abraham Varghese, Director, Animation Centre, MT. Church, Thiruvalla, 2012.
29. Dr. Ommen V Ommen. Chairman Kerala State Biodiversity Board, 2012
30. Dr. Latha PG, Director , JNTBGRI Trivandrum , 2013
31. Dr. Sheena Shukur, Pro Vice Chancellor M.G. University , Kottayam, June, 2013
32. Dr C. P Robert, Head, Card –Krishi Vignan Kendra, Tiruvalla, ICAR, Govt of India. August, 2013.
33. Dr. J G Ray, Director, School of Biosciences, M G University, Kottayam August 2014

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

1. **National Workshop** on ‘Taxonomy, Culture and Industrial Applications of Algae’ organized by the Botany Department St. Thomas College, Kozhencherry, 10-12 October 2007, Sponsored by UGC, DST & KSCSTE.
2. **National Workshop** on “Biodiversity of Fungi, with special reference to Mushrooms”, organized by the Botany Department, St. Thomas College, Kozhencherry, 28-30 October 2009, Sponsored by UGC, KSCSTE and M.G. University, Kottayam.

b) **Regional**

1. **Regional Workshop on Biodiversity of Bryophytes and Pteridophytes** on 22nd January 2008 sponsored by Botany Association.
2. **A seminar on Career prospects in Botany** on June 26 2001. sponsored by Botany Association
3. **A Two day workshop in Biotechnology for Higher Secondary School Students** from 30-31 October 2012.
4. State level seminar on **Modern Trends in Molecular Biology**. 12-14 June 2014 . A two day state level seminar on Modern Trends in Molecular Biology. Sponsored by UGC & KSCSTE

c) **International: Nil**26. **Student profile Programme/course wise:**

Name of the Course/Programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. Botany Programme	2008 -	28	4	24	89
	34	27	3	23	78
	2009 -	28	4	24	94
	32	28	6	22	93
	2010 -	30	7	23	93
	34	29	5	24	86
2011 -	26	4	22	84	
M.Sc. Botany Programme	2007 -	12	1	11	91
	35	12	2	10	91
	2008 - 31	12	2	10	90
	2009 - 26	12	1	11	92
	2010 -	12	2	10	91
	61	12	2	9	92
	2011 -	12	2	10	40
	CAP				
	2012 -				
	CAP				
	2013 -				
CAP					
2014 -					
CAP					

*M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. Botany Programme	95%	5%	Nil
M. Sc. Botany Programme	100%	Nil	Nil
Ph. D. Programme	100%	Nil	Nil

28. How many students have cleared National and State competitive examinations such as NET, SLET, SET, GATE, Civil services, Defense services, etc. .

- NET JRF 2008, Sreekutty O R, 2006-08
- NET JRF 2006 Jincy P George 2013
- SET Passed Total 5 students (9%)

29. Student progression

Student progression	Against % enrolled
U.G. to P.G.	27
P.G. to M. Phil.	5.25
P.G. to Ph.D.	7.27
Ph.D. to Post-Doctoral	-

Student progression after PG

Year	Total No	Higher Courses %	Other Courses %	SET Exam Passed %	Employment %
2006-08	11	-	72	9	100
2007-09	11	-	100	9	72
2008-10	10	-	90	9	58
2009-11	9	-	66	-	33
2010-12	11	27	72	-	9
2012-14	12	9	45	-	9
2013-15	12			1	

Student progression after UG

Year	Total No %	PG %	Other Courses %	Employment %
2005-08	27	14	40	74
2006-09	18	38	33	55
2007-10	19	21	42	47
2008-11	20	50	40	15
2009-12	24	21	58	21
2010-13	25	5		
2011-14	25			

30. Details of Infrastructural facilities

a. **Library** The Department is having a **Student's Library** other than the College general Library) for the exclusive use of Botany students. At present 712 books are available in this library. The books in the library are collected from voluntary donors (both students and teachers) and are complementary copies received to the Department. The M. Sc. and B. Sc. dissertations of the previous years were collected and arranged in the library for reference. Five Journals of national and International reputation are subscribed. The department subscribes the following magazines/journals (Rheedea J. of Taxonomy, Sea weed Journal, Agrobios News Letter, Biology Today, Life Sciences Industry News, Biotech magazine)

b. **Internet facilities for Staff & Students:**

A fully equipped and networked Computer Lab (DST FIST sponsored) High band width band 24 hour internet connection and Power Back-up facility is available for the students and faculty- free of any charges. 17 Computers are used by students and faculty for their reference, project work and research.

c. **Classrooms with ICT facility**

The Botany Department is in the forefront in providing the benefits of advanced technology to the students. All the faculty members of the Department are computer literate and proficient in the use of modern techniques in teaching. A Seminar hall with audio system, LCD projector, seating arrangements, etc., are available for project presentations. PG Classes and B. Sc Final semester class rooms are provided with OHP and LCD projector. An advanced HP scanner, Deskjet and Laser printers are also available in the Department.

d. Laboratories

A well equipped Environmental Lab, Tissue Culture Lab, Mushroom Lab, Research Lab, PG & UG laboratories are available for the students .The laboratory facilities were upgraded with the grants received from DST-FIST, and UGC minor projects.

The following are the list of some sophisticated instruments available in the department.

Autoclave (vertical)	: 2
Autoclave (portable)	: 2
Blending unit	: 1
Centrifuge unit	: 2
Camera with Macro (Digital)	: 2
Camera Pentax K-1000	: 1
Colorimeter	: 4
Chromatography Unit	: 1
Computers	: 17 with printer
Digital Camera (Kodak	: 1(with 256 MB SDA Card)
Electronic Balance (Sartorius)	: 1 (with 0.01 mg. accuracy)
Electric Monopan Balance	: 1
Gel Electrophoresis Unit	: 1
Hot-Air Oven	: 3 (one with air circulation facility)
Hot plate	: 1
Laminar Air flow chamber	: 1
Micro Photography Unit	: 1
Microtome	: 2
Microtome Blade Sharpener	: 1
Over-head Projector	: 2
Projection Microscope	: 1
pH meter (Analog)	: 1
pH meter (Digital)	: 2
Projection Microscope	: 1

Refrigerators	: 2 (165 lit. & 315 lit.)
Research Microscopes	: 6 (Mono, Bi and Trinocular&
Stereo) Binocular microscopes CH 20i	: 14 Nos
CX 31	: 1 Nos
Scanner Unit	: 1 (HP Scanjet 3770 with
Negative	Scanning)
Slide Projector	: 1
Spectrophotometer	: 1 (350-900 nm)
Water bath	: 2

DST FIST sponsored

UV VIS spectrophotometer-Shimadzu	: 1
Elemental analyzer-HANNA (Hi 83099)	: 1
Conductivity meter-EUTECH (532448-CO600)	: 1
Dissolved Oxygen Meter-EUTECH (52543-DO600):	1
BOD cooling incubator REMI (CI 3S)	: 1
Flame photometer (Model 128)	: 1
Laminar Air flow Horizontal SS (CAH 600)	: 1

UGC Minor Research Project

Autoclave (portable	:2
pH meter (Digital)	:1
Stereoscopic Microscope	:1
Mushroom production &	
Spawn Production Unit	:1
Laminar Air flow Horizontal SS (CAH 600)	:1
Micro wave oven	:1
Magnetic stirrer	:1

31. Number of students receiving financial assistance from college, university, government or other agencies

Year	Course	Students receiving assistance from Govt.	Higher Edn. Council/ University/College/Central Sector/Postmetric Minority/Single Girl Child Scholarship *	Endowment Scholarships Botany Dept./Alumni
2007-08	B.Sc	8	-	5
	M.Sc	2	-	2
2008-09	B.Sc	12	-	6
	M.Sc	2	1	2
2009-10	B.Sc	9	-	7
	M.Sc	2	1	3
2010-11	B.Sc	13	-	4
	M.Sc	2	-	2
2011-12	B.Sc	9	-	5
	M.Sc	3	1	1
2012-13	B.Sc	10	-	3
	M.Sc	2	-	3
2013-14	B.Sc	8	-	3
	M.SC	2	-	3

32. Details on student enrichment programmes

(special lectures/workshops/seminar) with external experts.:

The Botany Association takes a lead role in arranging student enrichment programme. Experts and scientists from various fields were invited to take classes on their areas of expertise through seminars, workshops and classes. To enrich their experiences in learning, the students are often taken for field visits and study tours (Refer Item No. 33). For enriching their talents, class wise programmes are arranged during noon intervals where the students exhibit various items like dance music, drama etc. They are also encouraged to manuscript written magazines, where their literary talents are exhibited. Debates and discussions are also arranged during noon intervals. Various competitions like drawing extempore, poetry recitation, essay, short story and poetry writing are also arranged in noon interval. To make them familiar with the plant diversity and curious plant life themes, students are encouraged to collect and exhibit plants and various parts of plants such as flowers, fruits and inflorescence. At the end of the programme entitled “**Know the plant**” competitions are conducted for plant identification and prizes are also distributed

SEMINARS & WORKSHOPS CONDUCTED BY DEPARTMENT OF BOTANY

2007-2008

- **Workshop on Kitchen Garden** (24th August 2007)
A class was arranged to create interest in cultivation of safe and quality vegetables in our backyard itself. Smt. Jancy Mammen, Agriculture Officer, Naranganam took classes on various aspects of kitchen gardening. Seeds of different types of vegetables were supplied to the students and public.
- **National Workshop on Taxonomy, Culture and Industrial Applications of Algae** (10th to 12th October 2007). (Sponsored by KSCSTE, DST, CSIR, UGC)
The three day Workshop on “Fresh Water and Marine Algal Studies” was aimed to impart theoretical as well as practical applications on various aspects of algae. His Grace the Most Rev. Dr. Philipose Mar Chrysostom Mar Thoma Valiya Metropolitan inaugurated the Workshop. Dr. V. Sobha, Prof. and Head, Dept. of Environmental Sciences, University of Kerala, Dr. N. Kalaiaperumal, Former Principal Scientist, CMFRI, Rameswarum, Tamil Nadu were the chief resource persons.
- Regional Workshop on Biodiversity of Bryophytes and Pteridophytes. (22-01-2008 2008)
- Seminar on Challenges in Rice farming in Kuttanadu (7th July 2008)
- Seminar on Recent Trends in Herbal Medicine (5th November, 2008)
- Seminar on Genomes (26th August 2008)
- Seminar on Remote Sensing (10th December 2008)
- Seminar on Environmental Degradation
- National Workshop on Biodiversity of Fungi with special reference to Mushrooms from October 28-30 2009 (KSCSTE & MG University, Kottayam)
- Prof. K.V George Memorial Lecture Series I-Seminar on Biodiversity conservation February 16 2010
- Career in Life Sciences, 26 July 2010
- One-day seminar on 27-8-2010 on Nattarivu (Indigenous Knowledge)
- Emerging Trends in Nanotechnology and Biotechnology
- Analysis of Crime Mr. Baby Charles DYSP 2-8-2010
- Prof. K.V George Memorial lecture series II 19-12 -2011 Challenges in Biodiversity Conservation
- Prof. K.V George Memorial lecture series III
- Winning All The Way A student Enrichment Programme

- Destination to Success 6-11-2010
- Creating scientific on 6-11-2010.
- A seminar on Biocontrol Agents on 19-12-2011.
- Career Prospects & Internet Resources for life Sciences, 9-2-2011
- DNA Finger printing and its implication was conducted on 9-7- 2011
- Challenges in Criminal Investigation Thomas on 9-7-2011
- Cyber Offences and law on 16 -9-2011
- Prospects in Botany with special reference to Taxonomy On July 14th 2012.
- A seminar on Career prospects in Botany A Two day workshop for in biotechnology was conducted from 30-31 October 2012
- Prof. K.V.George Memorial Lecture series IV .December 13th 2013 by Dr. Oommen V Oommen, Chairman, Kerala Biodiversity Board, Trivandrum
- State level seminar on Modern Trends in Molecular Biology.12-14 June 2014
- Botany association seminar on Agribased Enterprises on 4th September 2013
- K.V.George Memorial Lecture series V on Ethanopharmacology inaugurated on 28-11-2013
- Seminar on Bioinformatics on 24 February 2014.

33. Teaching methods adopted to improve student learning:

In addition to the classroom lectures teachers constantly encourage learning through assignments, seminars, projects etc. Students are always prompted to use Multimedia for their study and project presentation. Seminars are carried out by PowerPoint /OHP. Practical sessions are regularly scheduled to visibly experience what the student studied in theory class. Additional facilities such as sophisticated lab equipments and computers acquired through DST FIST are being properly utilized . Reference books acquired through UGC Minor projects are well utilized by the students

Other than the classroom study, the students both from the Undergraduate and Post graduate , were taken periodically to various institutions of higher learning like Central Plantation Crop Research Institute (CPCRI), Kayamkulam, Rice Research Institute, Mankompu, Kuttanadu, Tropical Botanical Garden and Research Institute (TBGRI), Palode, Kerala Forest Research Institute (KFRI), Peechi, Central Marine Fisheries Institute (CMFRI) Tutucorin and Ramaswaram, Krishi Vigyan Kendra (KVK), Thelliyoor, Thiruvalla, Kerala Agricultural University, Mannuthy Kerala State Pollution Control Board laboratories at Pathanamthitta and Allapuzha, Botanical Survey of India (BSI) , Coimbatore, Tamilnadu, Agricultural University (TNAU) Coimbatore. The interactions with the scientists and

researchers were of great value in the exchange of latest developments in science. The open course students are taken to agricultural farms like KozhaKottayam district for first hand training in vermicomposting , budding grafting and layering.

In addition to these, as a part of their curriculum they were are taken to various ecologically relevant spots like Gavi, Ooty, Kodaikanal, Vagamon, Wayanadu , Munnar, Ponmudi, Tutucorin Seashore, Kollam Seashore, RamaswaramSeashoresetc .

34. Participation in Institutional Social Responsibility (ISR) and Extension Activities.

The faculty members very actively intervened in social problems like biodiversity conservation, environmental pollution, students unrest, etc. The faculty is very keen in the Curriculum restructuring in undergraduate and post graduate level. Dr. K. Danielkutty is the Chairman, Board of studies in Botany (UG) and Dr Elizabeth Thomas is member on the board.

Extension programmes conducted :

- **Golden Jubilee Exhibition - BIOCHEM 2008** (26th-28th August 2008)
A Science Exhibition jointly arranged with the Department of Chemistry-**Biochem 2008** provided opportunity for the High school and Higher secondary students to get glimpses of many advanced curricular aspects of their school syllabus. Stalls of Ethanobotany, Plant diversity, Physiology, Tissue culture, Biotechnology, Cytology, Flower arrangement, Fossil world, Ecology, Mushroom House were the special attractions of the exhibition. Government and private institutions like SERIFED, KrishiVigyan Kendra, Tropical Botanical Garden and Research Institute and Kerala State Pollution Control Board participated in the exhibition with new vistas of research and technology. About 5000 students from various high school and higher secondary schools visited the stalls providing new and refreshing exposure to our students and faculty. Rev. Dr. Philip Varghese, Local Manager of our College inaugurated the exhibition.
- **Open House School Programme** (4th November 2008)
An innovative venture “Open House School Programme” was launched as an extension programme of the Department. Ninety six students along with their teachers from A.M.M Higher Secondary School, Edayarammulla participated in the full day session. The programme was aimed to create scientific temper, greater understanding in plant science and to inculcate an aptitude towards basic sciences.
- **Mushroom cultivation in collaboration with Kudumbasree unit KozhencherryPanchayath**

A two day training programme in **Mushroom cultivation** was arranged for **Kudumbasree** units (women entrepreneurs) of KozhencherryPanchayath on March 20 and 21 2011-Certificates were issued to the participants after the training.

- **Implementation of Medicinal Plants Referral garden of PathanamthittaDist**

Establishing more than 250 species of rare, endangered plants with the financial aid of Rs. 200000/-from Kerala State Medicinal Plant Board (KMPB).This garden has been selected as the District Referral Medicinal Garden.Participation in the Social Forestry campaign and involved in the **Green Campus Project** in association with the Forest Department, Govt. of Kerala. The Botany Department was awarded a Certificate of Merit by the Forest Department, Govt. of Kerala for its active participation in this Programme.

Active involvement in various Environmental issues through media such as River pollution , sand mining, KASTHURIRANGAN REPORT ,

35. Strength, Weakness, Opportunities and Challenges (SWOC) analysis of the Department and Future plans

Strengths:

1. Our greatest strength is our very high pass percentage attributed to a very good teaching learning environment. Our students have secured above 75% first class about 30% distinction for UG and 70% first classes for PG. **Caroline Asha Mathew** bagged **First Rank** in B.Sc Botany Degree (2007) and **AdheenaElza Johns** is the **University topper** with A+ (Gradepoint 3.9) (2014) in Botany Degree Programme from M.G. University, Kottayam
2. Another primary noteworthy strength of the Department is the availability of well qualified teachers all with Research Degrees. They are involved in social issues, research and in extracurricular activities in their associated social milieu.
3. A very good student teacher ratio is maintained in the department. Hence personal attention is given to each student of our department.
4. A good number of SC/ST students study Botany as their optional subject.
5. A good Student Teacher and teacher to teacher relationship exists in the Department.
6. A well functioning PTA.
7. A well attended Alumni FICUS with regular annual general meetings and they provide Endowments and scholarships to the needy students.
8. Remedial coaching for needy students.
9. Class room teaching supported by field study.
- 10.Student seminars are supported by power point / OHP presentations

Weaknesses

1. Lack of well trained Laboratory technical staff.
2. Majority of the students are hailing from remote village areas. Hence many of them come by travelling miles, by walk or bus. Every day they spent 5-6 hours for travel. They are often not available for remedial coaching, add on courses, enrichment programmes, and extracurricular activities.
3. Major sections of the students are not financially competent to afford the expenses incurred during the completion of the course.
4. The periodical occurrence of strikes and environmental Hazards are curtailing the number of days for teaching.

Opportunities:

When the student progression of the last five years was analyzed it is found that a major section of the students are well placed or continuing their education. It is an encouraging situation. More than 60% are working as teachers; a few are in banks, research institutions. etc. Students are supported in their research activities even after they leave the College. Support by the alumni members for noon meals and retired staff for academic purpose.

Challenges:

Since our college is situated in a rural area, there are only limited opportunities to expose themselves to the current developments in science and technologies. Most of our students belong to socially marginalized, financially backward families and the untiring efforts from the teachers throughout the academic year is essential for achieving excellence.

Future Plans :

The Department is envisaging a multidimensional approach. This includes:

1. Introduction of **ICT** enabled teaching and aiming towards the goal of establishing 'Smart Class Rooms'.
2. Intensive use of **computer aided teaching** method- Internet, PowerPoint, LCD, Video, OHP).
3. Strengthening Parent-Teacher interaction by convening the PTA regularly.
4. Developing closer ties and interactions of the **Alumni members** of FICUS (the alumni Association of Botany students)
5. Enhance **Research facilities** by adding new equipments.

6. Inception of **add on** Courses.
7. Start **M.Sc. course** in Biotechnology/ Environmental Sciences/ M. Phil Course in Botany
8. Establish a modernized **Herbarium** and digitalization of the collection.
9. Expansion of **spawn** production and distribution facilities.
10. Expansion of the existing **Medicinal garden** by adding more rare, endangered medicinal plants so as to make it a referral medicinal garden for benefit of the students, researchers and the public.
11. Developing a **Fern House/ Orchidarium** with misting facilities (temperature and humidity controlled).
12. Steps to strengthen the **Teacher- Student interaction** and empowerment of students through a novel scheme of visiting the houses of each student of the Department by the faculty.
13. Extend the existing laboratory facilities of the department to the neighboring school students and teachers.
14. Enhancing facilities in Biotechnology laboratories for upgrading research.

DEPARTMENT OF ZOOLOGY

1.	Name of the Department	The Postgraduate and Research Department of Zoology	
2.	Year of Establishment	1957	
3.	Names of Programmes	UG	B.Sc Zoology Core
		PG	M.Sc Zoology with Fisheries as Elective Course
		Ph D	Zoology
		Certificate Programme	UGC Sponsored Add on Course in Medical Laboratory Technology
4.	Name of Interdisciplinary courses and Departments Involved	Open Coures in Human Genetics,Community Health and Sanitation All other departments	
5.	Annual/Semester/Choice Based Credit System		
		UG	Choise based Credit & Semester System
		PG	Credit & Semester System
6.	Participation of the department in the course offered by the other departments	B.Sc. Complementary with Botany Department OPEN Course- offered to all Departments irrespective of streams	
7.	Courses in collaboration with other universities, industries, foreign institutions	Nil	
8.	Details of courses/programmes discontinued (if any) with reasons	Nil	
9.	Number of teaching posts	Sanctioned	Filled
	Associate Professors	2	2
	Assistant Professors	6	6

10. Faculty with Name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil.etc.,)				
Name	Qualification	Designation	Specialization	No. of Ph.D. produced
Dr. Joseph John K.	Ph.D.,M.Sc.	Assoc.Prof.	Neurophysiology	1
Dr. Nelson P.Abraham	Ph.D.,M.Sc.	Assoc.Prof.	Wild Life Biology	1
Dr. Roy George K.	Ph.D., M.Phil.,M.Sc.(NET)	Asst.Prof.	Endocrinology	-
Smt. Ninu Thomas	M.Sc., B.Ed.(NET)	Asst.Prof. (FDP)	Inland water biology	-
Dr. Jinsu Varghese	Ph.D, M.Sc., B.Ed.(CSIR-JRF/NET)	Asst.Prof.	Structural Biology	-
Smt. Shinimol A.K.	M.Sc., B.Ed.(NET)	Asst.Prof.	Entomology	-
Dr. Reena Pappachen George	Ph.D,M.Sc.	Asst.Prof.	Wild life Biology	-
Shri. Sam Thomas	M.Phil.,M.Sc.(JRF,NET)	Asst. Prof.	Entomology	-
Smt. Geetha Paul	M. Sc. , B. Ed.	FDP Substitute	Fishery Biology	-
11. List of senior visiting faculty	i. Prof. George K. Abraham ii. Prof. O. S. Koshy			
12. Percentage of lectures delivered and practical classes handled (programme wise)by temporary faculty - UG	2011-12 2012-13 2013-14 Lectures Delivered/Practicals			
	12%, 12% 12%,12% 12%,12%			
13. Student-teacher ratio (programme wise)	UG		PG	
	19:1		5:1	
14. No.of academic support staff(technical) and administrative staff	Sanctioned		Filled	
	3		3	
15.Qualifications of Teaching Faculty with D.Sc. /D.Litt/ Ph.D/ M.Phil/ PG				

Dr. Joseph John.K ,M.Sc.; Ph.D					
Dr. Nelson P. Abraham, M.Sc., Ph.D					
Dr. Roy George.K , M.Sc., M.Phil, Ph.D					
Smt. Ninu Thomas, M.Sc., B.Ed.					
Dr. jinsu Varghese, M.Sc., B.Ed, Ph.D					
Smt. Shinimol A.K, M.Sc., B.Ed,					
Dr. Reena Pappachan George , M.Sc., Ph.D					
Shri. Sam Thomas, M.Sc., M.Phil					
Smt. Geetha Paul, M.Sc., B.Ed.					
16. Number of faculty with ongoing projects from (a) National(b) International funding agencies and grant received					
Dr. Shirly Annie Oommen, Study on bioremediation of pesticides in soil using selected bacterial species, 2 years (2010-12) UGC: RS. 67,000					
Dr.Jinsu Varghese: Characterisation of antibacterial proteins from epidermal mucus of some selected teleost fishes, 2 year (2010-12), UGC ; Rs. 1,00,000					
Dr. Roy George K., Studies on the female reproductive toxicity-teratogenicity of Bisphenol A on mammalian system., 2 years (2007-08) UGC ; Rs.90,000					
Dr. Nelson P. Abraham: Comparison of water quality parameters of pampa river and adjacent drinking water sources, 1 year (2007-08) UGC: Rs. 45,000					
Dr. Reena Pappachan George, Antimicrobial and antioxidant activity of ethanol and hexane extract of Kaemferia galange rhizome, 2 Years (2013-15) UGC: Rs.1,20,000					
Shinimol A.K, Study on the Antibacterial activity extracts of edible Mushrooms, 2014-2016, UGC: Rs.1,40,000					
17. Departmental projects funded by DST-FIST;UGC,DBT,ICSSR,etc. and total grants received	DST-FIST Rs. 50,00,000 Sanctioned to Science Departments				
18. Research centre/facility recognized by the University	Since 1986				
19. Publications: Papers published /communicated	43				
	Int.	Nat.	Co-	Edited	Chapter in

	Journal	Journal	Authored book	Book	Books
Dr. Shirly A. Oommen	-	1	-	-	
Dr. Joseph John K.	1	-	1	-	-
Dr. Nelson P. Abraham	5	7	4	1	1
Dr. Roy George K	6	6	1	-	-
Prof. Ninu Thomas	-	-	-	-	-
Dr. Jinsu Varghese	2	-	1	1	-
Prof. Shinimol A.K.	1	1	-	-	-
Dr. Reena P. George	-	3	-	-	-
Prof. Sam Thomas	-	-	-	-	-
Smt. Geetha Paul	-	1	-	-	-
20.	Areas of consultancy and income generated		Public Facility Laboratory for Water and Soil Quality Analysis (Accredited Type B Lab by Kerala State Pollution Control Board) Income Generated Rs. 12000		
21. Faculty as members in a) National Committee b) International Committee c) Editorial Boards					
a) International Committee			Dr. Nelson P. Abraham- Executive Member of OISCA International		
b) Editorial board					
1. Dr. Joseph John K.- Editorial Board Member, journal of Tissue Research					
2. Dr. Nelson P. Abraham- Member of Editorial Board REYONO					
3. Dr. Roy George K.- Member of Editorial Board i. Journal of Zoological Society of Kerala.					
4. Dr. Jinsu Varghese- Member of Editorial Board i. Journal of Zoological Society of Kerala.					
22.	Student projects (a) Percentage of students who have done in-house projects including inter departmental/programme:		UG 100%	PG 100%	
	(b) Percentage of students placed for projects in organization outside the institution i.e. in Research laboratories/industry/other agencies:		Nil		
23.	Awards or recognitions received by the faculty and students				
Faculty	1. Dr. Joseph John K.- PG Board Member of Mahatma Gandhi University 2. Dr. Nelson P. Abraham- Subject Expert, M. G. University				

Student	1. Third Rank for M.Sc. Zoology (2007)	
24.	List of eminent academicians and scientists/visitors to the Department i. Dr.B.Iqbal, Former Vice Chancellor, University of Kerala ii. Dr.Sreekumar B. Scientist, RGCB, Thiruvananthapuram iii. Dr.A.P Thomas, Director, Advanced Centre of Environmental Studies and Sustainable Development, Mahatma Gandhi University iv. Dr.Reghu K.G,NCR, Scientist B, RRL, Thiruvananthapuram v.Dr. Sunil Agarwal, Cardiologist vi. Dr. Subash Peter, HOD, Dept. of Zoology, University of Kerala vii.Dr. Thomas Varghese, Oncologist, Lake shore Hospital viii. Shri. Thomas Mathew, Chief Coconut Development Officer ix. Dr. Sabareewaran,SCIMT, Trivananthapuram x. Dr. Hari.S. School of Biosciences, M.G.University xi. Prof. P.P.Sood, Professor of Emirates	
25.	Seminars/conferences/workshops organized and the source of funding	
	National Seminar on Current Concepts in Immunology UGC and Kerala State Council for Science, Technology and Environment (KSCSTE),18- 19 th August, 2011,Rs. 90,000 Rs. 30,000 National Seminar on Dietary influence of coconut on cardia health CDB, 2011, Rs.15,000 National Seminar on Papmpa River degradation cause and consequences Pampa Parirakshna Samithy, DST, KSCSTE, 2008 State level seminar on Charles Darwin Renaissance Man Zoological Society of Kerala, 2008-09, Rs.5000 Workshop on Biostatistics PTA, 2011-12, Rs.3000 Workshop on Bioinformatics PTA, 2011-12, Rs.3000 Zoofest Zoological Society of Kerala, 2010, 2012 , Rs. 5000, Rs.15000 One day seminar on “COURTING SUCCESS, BRAVING ODDS” by Lipin Raj, Civil Service Exam Topper 2013,Zoology Association,2013, Rs. 3000 One-day seminar on “The recent issues on the conservation of natural resources in Kerala” Zoology Association & PTA,24 th January, 2014, Rs. 4000 Invited Talk on “Cancer- Myth & Facts” by Dr. G. Rajan, Prof. in Pathology, Govt. Medical College, Calicut, Zoology Association, 4 th February, 2014, Rs.3000	
26.	Student profile programme/course wise	

	Year	Name of the programme	Applications received	Selected	Enrolled	Pass percentage
	2007-08	B.Sc. Zoology	95	42	25	68%
		M.Sc.Zoology	75	10	10	100%
	2008-09	B.Sc.Zoology	105	47	26	65.2%
		M.Sc.Zoology	80	10	7	71%
	2009-10	B.Sc.Zoology	50	31	26	45%
		M.Sc.Zoology	35	8	7	86%
	2010-11	B.Sc.Zoology	65	29	19	72%
		M.Sc.Zoology	60	8	8	87%
	2011-12	B.Sc.Zoology CBCSS	60	27	27	73%
		M.Sc.Zoology	55	11	9	66%
	2012-13	B.Sc.Zoology	Online Admission	33	17	87.5%
		M.Sc.Zoology	Online Admission	10	10	90%
	2013-14	B.Sc.Zoology	Online Admission	36	19	79%
27.	Diversity of Students					
	Name of the Course	% of students from the same state	% of students from the other states	% of students from abroad		
	B.Sc. Zoology	100	Nil	1		
	M.Sc. Zoology	100	Nil	Nil		
28.	How many students have cleared national and state competitive examinations			NET	2	
				SET	10	
				Defense Service	4	
29.	Student Progression					
	Student Progression				Against Percentage enrolled	
	UG to PG				33	
	PG to M.Phil				2	

	PG to Ph.D			23
	Ph.D to Post Doctoral			Nil
	Employed			5
	• Campus Selection			60
	• Otherthan Campus Recruitment			
	Enterpreneurship/ Self-employment			20
30.	Details of Infrastructural facilities			
	a) Library		Total Books	:485
	b) Internet Facilities for Students and Staff		INFLIBNET, BSNL WI-FIBroad Band Connectivity	
	c) Class rooms with ICT facility		1 LCD OHP Digital Presenter	
	d)Laboratories		6 Nos B.Sc lab M.Sc Final lab M.Sc Previous lab Microbiology Lab Public Facility Lab Research Lab	
31.	Number of students receiving financial assistance from College,university,government or other agencies			
Year	Course	Assistance from Government	Assistance from University	Assistance from college
2007-08	UG	6		4
	PG	2		2
2008-09	UG	7		3
	PG	2		2
2009-10	UG	7		3
	PG	2		2
2010-11	UG	6	2	3
	PG	2		2
2011-12	UG	8		4
	PG	2		2
2012-13	UG	6		5
	PG	2		2

2013-14	UG	6		3
	PG	2		2
32.	Details on student enrichment programmes (special lectures/workshops/seminar) with external experts One day seminar on “COURTING SUCCESS, BRAVING ODDS” by Lipin Raj, Civil Service Exam Topper 2013 under the initiative of Zoology Association One day seminar on “The recent issues on the conservation of natural resources in Kerala” Invited Talk on “Cancer- Myth & Facts” by Dr. G. Rajan, Prof. in Pathology, Govt. Medical College, Calicut Workshop on how to prepare projects scope and availability in India by Dr. K.G. Reghu Scientist Regional Research Laboratory, Trivandrum			
33.	Teaching methods adopted to improve student learning i. Mind mapping ii. Relay iii. Role Play iv. Quiz v. ICT vi. Group discussion vii. Field Study viii. Group Activities ix. Seminar Presentations x. Journal Club xi. Nature Camp			
34.	Participation in Institutional Social responsibility (ISR) Dr. Joseph John K., Dr. Nelson P. Abraham, Dr. Jinsu Varghese actively participated in social issues like Environmental pollution, Bio diversity Conservation, Wetland Conservation, Toxicology etc. Extension activities Public Facility Laboratory for analysis of water quality			
35.	SWOC Analysis Strengths -Well qualified faculty, 80% are Ph.D. holders -1 st P.G., Research and Ph.D. Produced Department -FIST sponsored Department -Peer group interaction -Facilities for ICT enabled learning -Add on Course and PFL -Ability for undertaking research projects -Active in research -Internet facility with Inlibnet and BSNL-WiFi Connection -Adequate Research Publication, nearly 43			

	<ul style="list-style-type: none"> - Drinking water facility -Rotation of Teacher-in-charge -Proper functioning of Alumni -Book banking -Association activities -Manuscript Magazines -Strong relationship with retired teachers - Department website
	<p>Weaknesses</p> <ul style="list-style-type: none"> -Inadequate Laboratory facilities- Equipments and Man Power -Lack of infrastructure- Rooms, floor -Research laboratory-poor condition -No major research projects -No Hazardous waste disposal unit & Incinerator
	<p>Opportunities</p> <ul style="list-style-type: none"> - Popularization of PFL - Invited lecture series -Apply for National and International seminars -Apply for different funding agencies for Seminars, workshops etc... -Apply for M.Phil programme -Instituting nodal centres for research -Interdepartmental research activities -Training programme for value addition to farmers -Association with other institution
	<p>Challenges</p> <ul style="list-style-type: none"> -Inadequate funds from UGC/Management -Inadequacy of co-curricular activities
	<p>Future Plans</p> <ol style="list-style-type: none"> 1. PFL-Expansion 2. Modernization of Laboratories 3. Apply for Projects Major/ Minor 4. Apply for MPhil Programme 5. To develop a nodal centre for Eco- Physiological studies

DEPARTMENT OF ECONOMICS

1. **Name of the department** : Department of Economics
2. **Year of establishment** : 1955 Under graduation
3. **Name of Programmes/Courses offered (UG,PG, Mphil,Phd,Integrated masters,IntegratedPh.D etc):**

UG : BA Economics, PG : MA Economics

4. **Name of the interdisciplinary courses and the departments/units involved:**

Open course for UG programme : Fundamentals of Economics

5. **Annual /semester/choice based credit system (programme wise)**

UG- Choose Based Credit and Semester System

PG- Credit and Semester System

6. **Participation of the department in the courses offered by other departments**

As part of the open course students of Economics core are engaged with courses offered by Hindi, Malayalam, English, Botany, Zoology, Commerce, Mathematics, Physics, Chemistry and Physical Education 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 : 7**

	Sanctioned	Filled
Professors		
Associate Professors		2
Asst.Professors		2

10. **Faculty profile with name, qualification, designation, specialistaion, (D.sc/D.Litt/Ph.D/M.Phil etc)**

Name	Qualification	Designation	Specialization	Years of Experience	No.of Ph.D students guided
Roshini P Mathai (Retired in 2010)	MA. Mphil	Lecturer Selection Grade	International Economics	28	Nil
Dr.Oommen Zachariah (Retired in 2012)	M.A MPhil Ph.D	Associate Professor	Micro Economics	30	Nil
Jollyamma George	M.A MPhil B.Ed	Associate Professor	International Economics	29	Nil
Merry Zachariah	M.A MPhil B.Ed	Associate Professor	Monetary Economics	26	Nil
Pius Joseph (Retired in 2014)	MA. Mphil	Associate Professor	Monetary Economics	26	Nil
Thomas George (Retired in 2013)	MA. Mphil	Associate Professor	Indian Economy	26	Nil
Rony Thomas Rajan	M.A M.Sc M.Phil, (Ph.D. Submitted)	Assistant Professor	Health Economics	5	Nil
Shaju K John	MA. Mphil	Assistant Professor	Environmental Economics	5	Nil
Manna Sara Jacob	MA	Assistant Professor	Econometrics	1	Nil
Suresh Mathew George	M.A Mphil	Assistant Professor	Public Finance	1	Nil

11. List of senior visiting faculty

- Dr. Martin Patrik (Retd Associate Prof.Govt .Maharajas college,Ernakulam
- Dr.Visak Varma (Associate Prof .KKTM Govt.college,Kodungalloor

- Dr.Muralideerharan (Associate Prof.Govt.Maharajas College,Ernakulam)
- Dr P.J.Philip (Former Faculty member of the department)

12. Percentage of lectures delivered and practical classes handled(Programme wise by temporary faculty : Nil

13. Student teacher Ratio (Programme wise)

UG : 60:1

PG : 8:1

14. Number of Academic support staff (technical and administrative staff, sanctioned and filled : NIL

15. Qualification of teaching faculty with D.Sc/D.Litt/Ph.D/M.Phil/PG

Ph.D 1

Ph.D (Submitted) 1

M. Phil 9

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received.

UGC Minor Research projects

- Oommen Zachariah (Associate Professor) : Rs 66,000
- Jollyamma George and Merry Zachariah : Rs 68,000
- Thomas George (Asso .Prof) and Shaju K John (Asst Prof : Rs 60,000
- Rony Thomas Rajan (Asst.Prof) : Rs 50,000

17. Department projects funded by DST-FIST,UGC,DBT,ICSSR, etc and total grants received

Minor Research project funded by UGC (2009-2010): NA

18. Research Center/Facility recognized by the University: Nil

19. Publications**a) Publication Per Faculty**

Authour	Int. Journal	National Journal	Impact factor	ISSN No.
Oommen Zachariah	3	1	3.335	ISSN 2229-4104, 2231-5780, 2248-4848
Jollyamma George and Merry Zacharia	1			
Shaju K. John		1		
Rony Thomas Rajan		1		

20. Areas of consultancy and income generated :NIL**21. Faculty as members in (a) National committees (b) International committees (c) Editorial Boards****Rony Thomas Rajan**

- (b) Committee member of the Patient Classification system International – An Internatioanl Non- Profit Organisation working towards making health care accessible to all.

Shaju K John

- (c) Member : Reyono Journal of Interdisciplinary studies (ISSN :2277 – 7652

22. Student projects: (a) Percentage of students who have done in house projects including inter departmental/programme

: 100 percent for under graduation

: 100 percent for post graduation

(b)Percentage of students placed for projects in organization outside the institution ie in research laboratories /industry/other agencies : Nil

23. Awards /Recognitions received by faculty and students :**Students:**

- Sreejith Namboothiri Inter collegiate Competiton for photography 2014
- Jimmy Chacko Inter collegiate Competiton for Poster Designing 2014

24. List of eminent academicians and scientists /visitors to the department

- Shri. T.P. Sreenivasav (Former Ambassador)
- Dr.B.Jayashankar (Sr. Economist, State Electricity Regulatory Commission)
- Dr.B.A.Prakash (Professor and Head,Dept. of Economics, University of Kerala)
- Dr.Vijayakumar (Chief EconomicStrategist,Geojith BNP Paribas
- Dr.Francis Cherunillam (Professor,Cochin University
- Dr.George Samuel (Nuclear Scientist)
- Shri C.P.John (State Planning Board Menber)
- Shri. Manu J Vettikan IES (Planning commission,New Delhi)
- Dr.Jebamalai Vinanchiarachi (Former Principal Advisor ,United Nation Industrial Development Organisations UNIDO,Vienna)
- Dr.Thomas Issac (Former Finance minister of Kerala & Fellow of Center for Development Studies ,Trivandrum)
- Dr. Iyyam Pillai (Bharathidasan University)
- Dr.John Joseph(Department Rural Development Science ,arul Anadha college, Madurai)

25. Seminars/conferences/Workshops organized and the source of funding

- National** : UGC Sponsored National Seminar on ‘Public Private Partnership in Health care: A viable Alternative or not’ in August 2011.
- International** : Nil

26. Students profile programme /course wise:

B.A. Economics

Name of the Course/ Programme	Application received	Selected	Enrolled			Pass Percent age
			Total	M	F	
2007-08	415	60	59	31	28	55.9
2008-09	458	53	53	19	34	79.2
2009-10	482	48	48	27	21	70.8

2010-11	404	51	51	21	30	64.7
2011-12	CAP	58	58	30	28	86.2
2012-13		55	55	20	35	58.1
2013-14		53	53	25	28	71.6
M.A Economics						
2007-08	28	13	13	1	12	23.07
2008-09	44	14	14	2	12	42.8
2009-10	45	11	11	3	14	54.5
2010-11	CAP	14	14	1	13	35.7
2011-12		11	11	3	8	54.5
2012-13		10	10	4	6	50
2013-14		14	14	4	10	

M=Male F=Female

27. Diversity of students

Name of the Course	% of students from the same state	% of students from other state	% of students from Abroad
B.A Economics	100	Nil	Nil
MA Economics	100	Nil	Nil

28. How many students have cleared national and state competitive examination such as NET,SLET,GATE,Civil services,Defense services etc?

UGC-NET

Year	Number
2006	
2007	2
2009	1
2011	1

29. Student progression

Student Progression	Against % enrolled						
	2008	2009	2010	2011	2012	2013	2014
UG to PG	33.8	41.5	37.5	39.2	43.1	32.7	37.7
PG to M.Phil	7.6	7.1	-	7.1	9	20	-
PG to Ph.D							
Ph.D to Post doctoral							
Employed							

<ul style="list-style-type: none"> • Campus Selection • Other than campus recruitment 	23	-	27.2	28.5	54.5	40	-
Entrepreneurship/ Self-employment	-	-	-	-	-	-	-

30. Details of Infrastructure facilities

- a) **Library:** Books-259(as loan from college library), 141 (From Four Minor Research Projects)

Journals:

- Indian Journal of Agricultural Economics
- The Indian Journal of Labour Economics
- The Southern Economist
- The Economic and Political weekly
- Monthly Commentary on Indian Economic Conditions
- Indian Economic Review
- Reyono

b) Internet Facilities for Staff & Students

- The Department has two computers, one with internet connection. This is made available for both students and faculties.
- The Department have a seminar hall which is equipped with LCD based presentations and classes.

31. Number of students receiving financial assistance from college, university, government or other agencies

Year	Course	Students receiving assistance from Govt.	Higher Edn. Council/ University/College/Central Sector/Postmetric Minority/Single Girl Child Scholarship
2008-09	B.A	36	-
	M.A	3	-
2009-10	B.A	34	-
	M.A	3	-
2010-11	B.A	37	1
	M.A	3	-
2011-12	B.A	39	2
	M.A	3	-

2012-13	B.A	36	4
	M.A	3	-
2013-14	B.A	36	3
	M.A	3	1

32. Details on student enrichment programmes (Special lecture/ workshops /seminar) with external experts

i. NET Coching Programme

- a) Dr.Martin Patrick : 15th January 2011
- b) Dr. Vaishak Varma : 22nd January 2011
- c) Dr.Rajeev : 29th January ,5th Feb and 19th 2011
- d) Shri.Alex Thomas : 26th February 2011
- e) Dr.Muraleedharan :5th March 2011
- f) Dr.P.J.Philip : 9th March 2011
- g) Abin John : 14th March 2011

ii) Personality Development Programme

- a) Dr.George Samuel(Nuclear Scientist)
- b) Dr. George Kallarackal (Social Scientist)

iii) Career Orientation

- a) Shri. Biju Joseph (Sr.Manager IDBI)
- b) Smt. Hemalehka TS (Geojit BNP Paribas)
- c) Adv.Thomas Philip (Member ,State Public Service Commission)

iv) Soft Skills Development

- a) Dr.Jolly George (Clinical Psychologist)

v) Competitive Examinations

- c) Dr.Rajeev (Associate Profesor ,Govt College,Trivandrum

vi) Special Lectures

- Shri. T.P. Sreenivasav (Former Ambassador)
- Dr.B.Jayashankar (Sr. Economist, State Electricity Regulatory Commission)
- Dr.B.A.Prakash (Professor and Head,Dept. of Economics, University of Kerala)
- Dr.Vijayakumar (Chief EconomicStrategist,Geojith BNP Paribas
- Dr.Francis Cherunillam (Professor,Cochin University
- Dr.George Samuel (Nuclear Scientist)
- Shri C.P.John (State Planning Board Member)
- Shri. Manu J Vettikan IES (Planning commission,New Delhi)

- Dr.Jebamalai Vinanchiarachi (Former Principal Advisor ,United Nation Industrial Development Organisations UNIDO,Vienna)
- Dr.Thomas Issac (Former Finance minister of Kerala & Fellow of Center for Development Studies ,Trivandrum)
- Dr. Iyyam Pillai (Bharathidasan University)
- Dr.John Joseph(Department Rural Development Science ,Arul Anadha college, Madurai)

vii) Study Camps/Field Visits

Camp at Aluva: For providing a different perspective to careers in Economics. Camp at Wayanadu : To study the tribal economy

33. Teaching methods adopted to improve student learning

- a) Class room teaching using chalk and board as well as LCD
- b) Tutorial Programme
- c) Analyzing economic policies and issues through newspaper analysis and discussions
- d) Discussions and debates
- e) Off class room sessions
- f) Group Studies

34. Participation in institutional social responsibility (ISR) and extension activities.

The Department carries out studies on socially and economically relevant issues pertaining to the Pathanamthitta district. This is being done annually as part of the post graduate projects as well as for the under graduate projects. Each of the faculty is entrusted with the role of guiding to post graduate students as well as 7 undergraduate students for their project. Selected projects usually involve field work especially for data collection. In the process students get a chance to understand the groundlevel situation of various issues through discussions and debates. With academicians and policy formulators, they usually come up with possible policy suggestions.

The abstract of the studies carried out are published in the journal 'ECO SEARCH' brought out by the department on current research activities by the students. This journal is usually sent to the State planning board for necessary actions. In some cases when the findings much relevance to the society ,the department brings to light the collected and analyzed information's before the media so as to attract public focus on the relevant issue.

35. SWOC Analysis of the department and Future plans:

Strengths

The greatest strength of the department is its faculty. It has a mix of experienced as well as young faculty members who are dedicated towards the upbringing of students in all possible ways. The experience of the faculty members helps the department to identify the real picture of a student and adopt a strategy aimed at helping the student.

Weaknesses

Since majority of the students come from really poor background with absolute difficulty in making the two ends meet, it becomes difficult for the department to get the best possible outcome from the students. This is because , the primary focus of these students are centered at getting into some income generating activities either by taking up some part time assignments or moving into some employment opportunities either after completing the course or even in between the programme.

Another major weakness is regarding the availability of adequate computers which is quite essential for the students to gain a firsthand knowledge about various economic software's and packages.

Opportunities

The department is still one of the handful of colleges in the aided as well as government sector in the Pathanamthitta District which offers postgraduate programme in Economics. This would make the department the first destination point for those seeking higher studies in Economics.

With increasing focus on research and consultancy especially with its young faculty members, the department sees itself as a major point of destination for economic consultancy in the District five years down the lane. The department has already carried out some preliminary discussions with National Rural Health Mission and planning board.

Challenges

The major challenges facing the department are related to the quality of prospective students. With the increasing ease and accessibility of doing a professional course or career oriented short term courses, the traditional courses like economics is able to attract only those left behind after all such selections and screenings. In the years to come the department sees the further decline in the student quality unless the courses offered is quite attractive.

Future Plans

Research and Consultancy will be the major point of focus for the department in the future. The department aims to equip these goals. For this the department intends to take up projects and to plans to get involved with working projects in which our students can also participate. Three years down the lane the department plans to raise itself to a research department. The department aims at making the ECOSEARCH the research publication of the department as a full fledged research journal with grater ideas, mission and perception of young and budding economists from different backgrounds. The department also has a plan to start certificate course aimed at providing basic knowledge about economic concepts, variables and for those no formal qualifications as to equip them to perceive the economy and its momentum with better understanding.

DEPARTMENT OF HISTORY

1. **Name of the department** : History
2. **Year of Establishment** : 1981
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** UG - BA History
4. **Names of Interdisciplinary courses and the departments/ units involved :**
OpenCourse-Social Implications of Modern Revolutions
5. **Annual/ semester/ choice based credit system (programme wise) :** UG - Choice Based Credit and Semester System
6. **Participation of the department in the courses offered by other departments :** Complementary courses - B.A. English, B.A Economics Open course to 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 strength : 4

	Sanctioned	Filled
Professors		0
Associate Professors		1
Asst. Professors		2
Guest Faculty		1

10. Faculty profile with name, qualification, designation, specialisation, (D.Sc./ D.Litt. / Ph.D. / M. Phil, etc.,)

Name	Qualification	Designation	Specialisation	No. of Years of Experience	No. of Ph.D. Students guided
Susan Cherian	M.A., M.Phil Ph.D.	Associate Professor	History	29 Retired May, 2013	NA
Thomas Daniel	M.A., M.Phil.	Associate Professor	History	30	NA
George K. Alex	M.A. , M.Phil., Ph.D.	Assistant Professor	Politics & International Relations	9	NA
Subhash S.	M.A., B.Ed, MPhil	Assistant Professor	History	5	NA

11. List of senior visiting faculty

- Dr. P. J. Cherian 2007, Director , Kerala Council for Historical Research
- Dr. Venugopal B. Menon 2008, Member , Board of studies MG University
- Prof. Balakrishnan 2009, HoD of History, N.S.S Hindu College Changanassery
- Dr. Varghese George 2010, Chairman, Kerala Plantation of History co operation
- Dr. P. F. Gopakumar 2011, Professor of History, University College, Trivandrum
- Prof. V. Karthikeyan Nair 2012, Professor of History University College, Trivandrum
- Dr. Sebastian Joseph 2012, Professor of History UC College , Aluva.
- Dr. Pradeep P S 2013, HoD of History Catholicate College, Pathanamthitta
- Prof Mathew Varghese 2014, HoD of History Marthoma College, Thiruvalla.

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty :

Programme	Year	Percentage of lectures delivered By Temporary Faculty
UG	2014	30

13. Student -Teacher Ratio (programme wise) : UG 30:1

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/ M.Phil/PG.

- Susan Cherian, M.A., M.Phil., Ph.D.
- Thomas Daniel, M.A., M.Phil.
- George K. Alex, M.A., M.Phil., Ph.D.
- Subhash S., M. A., B.Ed, M.Phil.
- Dhanuja M Kurup, M. A. (Guest Faculty)
- M S Mohammed Musthafa M. A. (Guest Faculty)

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : Nil

18. Research Centre /facility recognized by the University : NA

19. Publications:Publication per faculty :

• **Dr. Susan Cherian**

Papers published :

1. 'Pradesika Charitrathil Chengannurinte Sthanam' (The Significance of Chengannur in Local history) (Arshanadham - Vedic Magazine) (2012)
2. Chengannurinte Pauranikathakal (Aranmula Vallamkali Smaranika) (2012)
3. Paper on Two Cultural Forms of Chengannur Region': Padayani and Thekkanpattukal (2012)

- **Dr. George K Alex**

Papers Published :

1. Peace Building: Ecumenical and Ecclesiastical Perspective (2011)
2. Dalit Emancipatory Politics :Issues and Challenges (2012)
3. Social Change in Kerala: Insights from Micro level studies, (Book Review), in Review of Development and Change, ISSN: 0972-2261(Page 113-16)(Madras Institute of Development Studies , Chennai June 2010
4. "Celebrating Democracy with the Invalid", pp 9-13, in Celebrating Democracy with the Invalid (SCMI- Bangalore)
5. The 1835 Malabar Vernacular Liturgy Movement: "Impacts on Social Transformation", Marthoma Seminary Journal Theology Vol. II, No2 December 2013 ISSN 2319-9156,pp 64-78

Books published :

1. Agolavalkaranam - Stree - Prakrithi (Translation) (2007) ISBN 978-81-8733-353-7
2. Aikyarashra Sanghatana - Charitram Vikasavum (2007) ISBN 978-81-262-0623-3, 2nd Edition (2008), 3rd Edition (2009), 4th Edition (2010), 5th Edition (2014)
3. RashtramRashtreeyam Rashtrasamvidhanam (2008) ISBN 978-81-262-0089-8
4. Writing in the Dark: A Collection of Malayalam Dalit Poetry (2008)
5. Reinventing Identity : An Anthology of Dalit Literature - Kerala (2008)
6. Vidhyabhyasam: Jeevante Poornathaike (2008) ISBN 978-81-7821-401-6
7. Malankara Sabhayile Naveekaranavum Kerala Navodhanavum (2011)

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards

Thomas Daniel

- MG University UG Board of Studies

George K. Alex

- Editorial Board Member: ORA Monthly, Alappuzha
 - Editorial Board Member: Prasakthi Books, Pathanamthitta.
 - Chairperson, SCM Kerala Region
 - Senior Secretary, SCMI, Bangalore
 - Selection Committee member, ACQUIRE Scholarship Programme, MG University.
- 22. Student projects**
- a. Percentage of students who have done in-house projects including inter departmental/programme : Inter collegiate Quiz Competition attended by 2 % of students at Assumption College, Chenganachery
 - b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : 98
- 23. Awards/ Recognitions received by faculty and students :**
George K Alex (Department of Political Science) MG University
Political Science Mentor
- 24. List of eminent academicians and scientists/ visitors to the department**
- Dr. Venugopal B. Menon 2008, Member , Board of studies MG University
 - Prof. Balakrishnan 2009, HoD of History, N.S.S Hindu College Changanassery
 - Dr. Varghese George 2010, Chairman, Kerala Plantation of History co operation
 - Dr. P. F. Gopakumar 2011, Professor of History, University College, Trivandrum
 - Prof. V. Karthikeyan Nair 2012, Professor of History University College, Trivandrum
 - Dr. Sebastian Joseph 2012, Professor of History UC College , Aluva.
 - Dr. Pradeep P S 2013, HoD of History Catholicate College, Pathanamthitta
 - Prof Mathew Varghese 2014, HoD of history Marthoma College, Thiruvalla.
- 25. Seminars/ Conference/ workshops organized & the source of funding**
- a) National : Nil
 - b) International : Nil

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage
2008	165	40	22 18	73
2009	171	40	22 18	71.8
2010	160	40	23 17	22.7
2011	CAP	40	31 9	68
2012	CAP	40	21 19	60
2013	CAP	40	14 18	53
2014	CAP	40	23 8	58

*M= Male * F= Female

27. Diversity of Students

Name of the Course	% of students from the state	% of students from other states	% of students from abroad
BA History	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.

:SET 2, NET 1

29. Student progression

Student progression	Against % enrolled
UG to PG	
2008	45%
2009	35%
2010	20%
2011	25%
2012	20%
2013	20%
2014	20%
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	2007-2010 4%

• Campus selection	2007-2010	4%
	2008-2011	3%
	2009-2012	1%
	2010-2013	1%
	2011-2014	1%
• Other than campus recruitment	2007-2010	30%
	2008-2011	40%
	2009-2012	20%
	2010-2013	20%
	2011-2014	20%
Entrepreneurship/Self-employment	2007-2010	26%
	2008-2011	22%
	2009-2012	44%
	2010-2013	50%
	2011-2014	40%

30. Details of Infrastructural facilities

- a. **Library:** The Department of History maintains a library which consists of 30 books and 2 journals. The books are made available to the students.
- b. **Internet facilities for Staff & Students:** The Department has provided two Desktop computers with internet facility. It helps students to procure knowledge in the subject
- c. **Classrooms with ICT facility:** The Department has provided with LCD projector which is used in class rooms.

31. Number of students receiving financial assistance from college, university, government or other agencies :

Year	No. of Students receiving financial assistance from government
2008-09	24
2009-10	22
2010-11	27
2011 -12	22
2012- 13	24
2013- 14	32
2014- 15	29

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts :

Field Studies and workshops

33. Teaching methods adopted to improve student learning : With the help of power point presentations and LCD screening of films and film clips . Field Studies were conducted by the Department, which enabled the students to understand the subject with a critical insight. Department of History conducted field visits and workshops at following places:

2009

- **Kurangumala**, a place near the college.
- **Pramadathupara**, in Ayroor where we unearthed Nannagadi (Burial urn)
- **Edasserymala**, an ancient temple where the Pujari belongs to the pulayacaste and a nearby place where a Prathishta of Kayamkulam Kochunni is incarnated

2010

- **Thelliyoor Kavuvu**, where in an ancient temple monument site, several steps leading to the 'thazhikkadam' of the temple was excavated. Teachers and students visited the site.

2011

- Aranmula Engineering College site near Pamba river and Aranmula temple from where we collected age old Clay, wood, shell.
- **Pattanam Kodungalloor**. Pattanam is now a globally important archaeological site where Kerala Council for Historical Research has been conducting excavations for the last five years. Students and teachers of the Department interacted with scholars in the site especially with the Director, K C H R. Thiruvananthapuram

2012

- **Eraviperoor -the headquarters of Prathyaksha Raksha Daiva Sabha (P.R.D.S)**. The teachers and students of the Department interacted with the Secretary and other officials of the association and collected a lot of interesting information about the Social Reformer 'Poykayil Kumara Gurudevan'.

2013

- Conducted study tour at **Edakkal Cave Wayanadu** and **Fort St. Angelo, Cannore**

2014

- Visited Mannadi Veluthampi Dalwa Museum and Pandalam Palace

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

The Department has funded field visit, for instance the study trip to Wynad, Muthanga, and Edakkal. The Department always extends a helping hand to all the poor and needy students for mid-day meal, books etc. The Students of the Department of History cooperate with National Service Scheme (N.S.S.). They actively involved in 'Blood Donation 'camp, Community Health Programme etc. Subhash S., Assistant Professor, is the co ordinator of Entry in the Service Programme and he is a member in Brain's Trust and also one of the coordinators of Equal Opportunity Centre.

35. SWOC analysis of the department and Future plans :

Strengths:

Lectures, Field study, Visual aids of the department strengthened the activities of the students to nourish themselves and to motivate them to further future academic pursuits in their life. Many of the students and teachers of our department are active in media programmes mainly in Jai Hind TV, and Power vision.

Weaknesses:

Majority of the students belong to rural and semi urban localities and parents of the students have poor educational background.

Opportunities:

- The faculty members of the Department have close tie-up with Kerala Council of Historical Research and Muziris Heritage Project.
- The Department conducted workshops to give awareness to such activities.

Challenges

Backward financial and social position of the students who are admitted to the U.G courses in Social sciences.

Poorly oriented students on class, caste and regional bias basis in the lower classes in schools and their institutions.

Future Plans

1. Organize National and Regional Seminars.
2. Establish close tie-up with agencies of historical research like KCHR, ICHR, Indian History Congress, South Indian History Congress.
3. To begin Post Graduate Programme in History

DEPARTMENT OF COMMERCE

1. **Name of the Department:** Postgraduate and Research Department of Commerce
2. **Year of Establishment :** 1968
3. **Names of Programmes / Courses offered:**

Courses Offered	Stream	Specialization
U.G	BCom Model 1 BCom Model II	Computer Application Finance and Taxation
P.G	M.Com	Finance
Research	PhD	Finance , Marketing, Banking, Management,Entrepre neurship

4. **Names of Interdisciplinary courses and the departments/units involved:**

Fundamentals of Accounting and Capital Market as open Course to the students of the Departments of Math's, Physics, Chemistry, Zoology, History, Economics etc

5. **Annual/ semester/choice based credit system (programme wise)**

Courses Offered	Stream
U.G	Choice Based Credit & Semester System (CBCSS)
P.G	Semester System
Research	Ph.D programme in Commerce&Management

6. **Participation of the department in the courses offered by other departments**

Students of the Commerce Department opt courses offered by other departments open courses like Applicable Mathematics, Energy & Environmental Studies Physical Education and Language Studies in the various departments

7. **Courses in collaboration with other universities, industries, foreign institutions, etc. :**

Certificate Course in Tally Programme in collaboration with Tally Solutions Bangalore.

8. Details of courses/programmes discontinued (if any) with reasons :
NIL

9. Number of Teaching posts

	Sanctioned	Filled
Professors	Nil	
Associate Professors	9	9
Asst. Professors	3	3
Law Lecturer (Part Time)	1	1
Law Lecturer (Guest)	1	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	Years of Experience	Ph.D. Students guided
Dr.T .Varghese Panicker	M.Com,M.Phil PhD	Associate Professor	Human Resource Management	33	Nil
Prof.Pushpa Anne Abraham	M.Com	Associate Professor	Financial Management	32	Nil
Dr. Mammen Zachariah	M.Com,M.Phil PhD	Associate Professor	Financial Management	32	Nil
Dr. Varghese Antony	M.Com,M.Phil PhD	Associate Professor	Financial Management	32	Nil
Dr.BensonK unjukunju	M.Com,M.Phil PhD	Associate Professor	Financial Management	32	5
Dr.Koshy George	M.Com,MBA M.Phil,PhD	Associate Professor	Financial Management	32	Nil

			nt		
Dr.P J James	M.Com,M.Phil PhD	Associate Professor	Financial Managem nt	32	Nil
Dr.Antony George	M.Com,PhD	Associate Professor	Financial Managem e	27	
Dr.PhilipVar ghese Porattoor	M.Com,M.Phil PhD	Associate Professor	Financial Managem nt	27	3
Adv.Mathew P Thomas	MA,LLM	Part-Time Law Lecturer	Law	24	
Prof.Rejy K Thariyan	M.Com,MBA	Assistant Professor	Finance	4	
Dr.Jyothis T	M.Com,M.Phil ,PhD	Assistant Professor	Finance	4	
Dr.Leena K Cherian	M.Com,M.Phil ,PhD	Assistant Professor	Finance	2	
Bettymol Elizabeth Thampy	M.Com, B.Ed	Assistant Professor	Finance	1	

11. List of senior visiting faculty:NIL

12. Percentage of lectures delivered and (programme wise) by temporary faculty

Year	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
B.Com Model I	20	20	20	12	12	8	Nil
B.Com Model II	19	19	19	10	9	8	Nil

13. Student -Teacher Ratio (programme wise)

UG: Model I : 36:1

Model II : 18: 1

PG: : 6: 1

14. Number of academic support and administrative staff; sanctioned and filled: Nil Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

Name	Qualification
Dr.T .Varghese Panicker (Retd 2013)	M.Com, M.Phil,PhD
Prof. Pushpa Anie Abraham	M.Com
Dr.Mammen Zachariah	M.Com, M. Phil, PhD
Dr. Varghese Antony	M.Com, M. Phil, PhD
Dr.BensonKunjukunju	M.Com, M. Phil, PhD
Dr.Koshy George	M.Com, MBA, M. Phil, PhD
Dr.P J James	M.Com, M. Phil, PhD
Dr.Antony George	M.Com, PhD
Dr.Philip Varghese Porattoor	M.Com, M. Phil, PhD
Adv.Mathew P Thomas (Part-Time Law Lecturer)	M.A,LLM
Prof.Rejy K Thariyan	M.Com, MBA
Dr.Jyothis T	M.Com, M. Phil, PhD
Dr.Leena K Cherian	M.Com, M. Phil, PhD
Smt.Bettymol Elizabeth Thampy	M.Com,B.Ed
Adv.Johnson.K Mathew	BA,LLB

**15. Number of faculty with ongoing projects from a) National
b) International funding agencies and grant received**

Name of Faculty	Funding Agency	Amount Received (Rs.)
Dr. Benson Kunjukunju	UGC Minor Project	75,000
Dr. Philip Varughese Porattoor	UGC Minor Project	50,000
Dr. Antony George	UGC Minor Project	45,000
Dr. Philip Varughese Porattoor	UGC Minor Project	45,000

16. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : Nil

17. Research Centre /facility recognized by the University

The Department of Commerce is recognized as an approved research Centre of the Mahatma Gandhi University and awarded Doctoral Degree under the guidance of Dr.PhilipVarughesePorattoor to Dr.GeorgeThomas, Associate professor, St.Johns College Anchal.

18. Publications:

Name of Faculty	International Journal	National Journal	Int. D.base	Chpt. In Books	Edited Books	Books With ISBN
T. Varghes Panicker		2				
Varghese Antony		3				
Benson Kunjukunj		9				8
Koshy George		2				
Antony George		2				
Philip Varughese Porattor	1	2				
Jyothis .T		3				
Leena K.Chcrian		6				

19. Areas of consultancy and income generated : Nil**20. Faculty as members in (a)National committees(b) International (c) Editorial Board**

- Mamen Zachariah: Member YMCA Regional Committee
- Philip Varughese Perattoor: Editor, REYONO, Journal of interdisciplinary studies, St.Thomas College, Kozhenchery

21. Student projects

- a. **Percentage of Students who have done in-house projects including interdepartmental / programme: Nil**
- b. **Percentage of students placed for projects in organizations outside the institution i.e in Research laboratories/Industry/Other agencies**

Programme	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
B.Com Model I	Nil	Nil	Nil	100%	100%	100%
B.Com Model II	100%	100%	100%	100%	100%	100%
M.Com	100%	100%	100%	100%	100%	100%

22. Awards/ Recognitions received by faculty and students

Dr.AntonyGeorge(Faculty) received the Best Business Academic of the Year award(BBAY) instituted by Indian Commerce Association and Pondicherry University 2012.

23. List of eminent academicians and scientists/ visitors to the department

Year	Name of Senior Faculty
2008	1.Dr.Simon Thattil, Professor, Kerala University
2009	1.Dr.S.Kevin, Pro-Vice chancellor ,Kerala University 2.Dr.Manickavasam Controller of Examination, Alagappa University
2010	Dr. Sabastian, SB College,Chenganacherry
2011	Dr. Tomy, CMS College,Kottayam
2014	Dr. G. Ganesan, HoD of Commerece, Bharathiar University

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) **National** - National Seminar on “**Maximizing Corporate Social Responsibility in Indian Perspective**” on March 13th & 14th,2014 funded by UGC.
- b) **International** – Nil

26. Student profile programme/course wise:

a).B.Com(Model I)

Year	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2008	1100	60	37	19	78

2009	1200	60	28	28	62
2010	1250	60	28	28	79
2011	CAP	60	32	24	83
2012	CAP	60	41	18	92
2013	CAP	60	23	32	96
2014	CAP	60	26	33	90

*M=Male F=Female

b). B.Com (Model II)

Year	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2008	800	30	20	10	55
2009	850	30	13	12	53
2010	900	31	20	10	58
2011	CAP	30	18	08	73
2012	CAP	30	15	14	97
2013	CAP	32	19	13	88
2014	CAP	37	16	21	86

*M=Male F=Female

c) M.Com

Year	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2008	110	15	8	8	87
2009	105	15	6	9	87
2010	120	15	5	9	85
2011	CAP	15	4	10	86
2012	CAP	17	3	15	82
2013	CAP	16	4	12	88
2014	CAP	15	8	7	NA

*M=Male F=Female

27. Diversity of Students(2008-2014)

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Com Model I	100	NIL	NIL
B.Com Model II	100	NIL	NIL
M.com	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	UGC/NET-JRF	SET	CIVIL Service	Defense Service
2008	NIL		Nil	Nil
2009	NIL		Nil	Nil
2010	NIL		Nil	Nil
2011	1 UGC		Nil	Nil
2012	3 (2 cleared JRF)		Nil	Nil
2013	3	2	Nil	Nil
2014	NA	NA	NA	NA

Chippy Pavithran of 2008 B.Com (Model I) Batch has cleared Chartered Accountancy(CA) Examination in the first attempt.

Abin Oommen Mathew has also cleared Chartered Accountancy(CA) Examination in the first Attempt.

29. Student progression

Student Progression	Against % enrolled						
	2007 - 2008	2008 - 2009	2009 - 2010	2010 - 2011	2011 - 2012	2012 - 2013	2013 - 2014
UG to PG	80	85	85	86	84	86	85
Pg to M.Phil	2	3	3	2	2	2	N.A
PG to Ph.D	1	3	2	3	3	1	N.A
Ph.D to Post – Doctoral	N.A	N.A	N.A	N.A	N.A	N.A	N.A
Employed • Campus Selection • Other than campus selection	60	70	74	78	80	50	N.A
Entrepreneurship/Self -employment	5	5	6	7	6	6	6

30. Details of Infrastructural facilities

- a) Library : The Department has a well-furnished library with more 2000

- text books and several dissertation book
- b) Internet facilities for Staff & Students: Inflibnet facilities are provided to the Teachers and Students with separate Computer rooms.
- c) Class rooms with ICT facility: One Classroom

31. Number of students receiving financial assistance from college, university, government or other agencies

Year	Course	Students receiving assistance from Govt.	Higher Edn. Council/ University/College/Central Sector/Postmetric Minority/Single Girl Child Scholarship *	Endowment Scholarships Commerce Dept./Alumni
2007-08	B.Com	86	-	
	M.Com	7	-	
2008-09	B.Com	78	-	
	M.Com	8	-	
2009-10	B.Com	80	-	
	M.Com	10	-	-
2010-11	B.Com	72	2	4
	M.Com	8	-	-
2011-12	B.Com	85	2	4
	M.Com	6	-	-
2012-13	B.Com	87	2	4
	M.Com	11	-	-
2013-14	B.Com	77	2	4
	M.Com	6	1	-

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

YEAR	Special lectures
2008	On entrepreneurship & Project Management- Organized in association with District Industrial centre, Pathanamthitta
2009	On entrepreneurship & Project Management-Organized in association with District Industrial centre, Pathanamthitta
2010	On entrepreneurship & Project ManagementOrganized in association with -District Industrial centre, Pathanamthitta
2011	On entrepreneurship & Project ManagementOrganized in association with -District Industrial centre, Pathanamthitta
2012	On entrepreneurship & Project Management-Organized in association with District Industrial centre, Pathanamthitta
2013	On entrepreneurship & Project Management-Organized in association with District Industrial centre, Pathanamthitta

2014	National Seminar on maximizing co-operate social responsibility in Indian perspective
------	---

33. Teaching methods adopted to improve student learning:

ICT enabled teaching, Seminars, Group discussion, Internal Examinations and Assignments

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Dr.VarghessePanicker has been appointed as Subject expert in selection of teachers in Commerce in various colleges under MG University
- Dr. Philip Varghese Porattoor has taken awareness class to new entrepreneurs at District Industries Centre ,Pathanamthitta
- Mr.Rejy K Thariyan has taken an orientation class to the teachers of HSS to update their skills at District level.

35. SWOC analysis of the department and Future planning

Strengths:

- Out of 12 faculty members in the Department 10 Members are having Ph.D. Degree.
- Four faculty members of the Department are approved Research Guides of MGUniversity.
- Well-equipped Computer Lab with internet facility
- Faculty members are holding the leadership positions in different organizational units of the College and University.
- Independent Department with excellent infrastructural facilities and learning resources including furnished seminar hall, reading room, library and well equipped computer lab.
- Entrepreneurship Club –promoting and nurturing entrepreneurial skill and quality among the students.
- Department is conducting add on programme on Tally Accounting package

Weaknesses:

- Most of our students are from rural backward areas
- Most of the students are day scholars coming from very distant places and attending the classes after tedious travelling
- Fairly good number of students is from backward communities.

Opportunities

- As the department is a Post Graduate and Research Department, there is a sample scope for research in Finance, Marketing, HRM, Management, Hospitality, Entrepreneurship etc.
- Department has excellent infrastructure facilities and learning resources with very good Academic faculty and which can be utilized for offering new short term course in Entrepreneurship, Salesmanship, Travel and Tourism.
- The Department has inherent potential and strength to collaborate with reputed Academic institution for faculty and students exchange programme, research and extension activity

Challenges

- To equip and enlighten the men and women through Value Education to cater the societal, Ethical and personal needs.

Future Plans:

- Introduction of Master of Philosophy in Commerce
- Conduct National Seminars and workshops
- To encourage faculty to participate minor and major projects
- To conduct more enrichment programmes
- Intensive coaching for NET/SET and entry level competitive examinations

DEPARTMENT OF PHYSICAL EDUCATION

1. **Name of the Department** : Physical Education
2. **Year of Establishment** : 1953
3. **Names of Programmes / Courses offered** : Open course
4. **Names of Interdisciplinary courses and the Departments/units involved**
 The Department conducts open course in physical health and life skill education which is attended by students of other departments, The department has association with Sports Authority of India, Kerala Sports Council, District Sports Council, District Basket Ball Association, District Volleyball Association, District Skating Association .
5. **Annual/semester/choice- based credit courses offered by other departments:**
 NA
6. **Participation of the department in the course offered by other department :** 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
Professors	Nil	NA
Associate Professors	2	2
Asst. Professors	Nil	NA

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years Of Experi	No. of Ph.D. Student s guided
Dr.Mathew P.John	M.Com, M.P.Ed M.Phil, Ph.D	Associate Professor & HoD	Sports Psychology and Volley ball	20	Nil
Dr. R.S.Sindhu	M.P.E, M.Phil., Ph.D.	Associate Professor	Bio mechanics and Basket ball	18	Nil

11. List of senior visiting faculty : Prof. John Philip (Former HoD)

12. Percentage of lectures delivered and practical classes handled(programme-wise by temporary faculty)

Student who are selected for teams are given special coaching and practice in the morning and evening by the Coaches.

13. Student -Teacher Ratio : 750: 1

14 Number of academic support staff (technical) and administrative staff sanctioned and filled: Nil

15 Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./P.G.

Name		Qualifications
1	Dr. Mathew P. John	M.Com,M.P.Ed.M.Phil,Ph.D.
2	Dr. R.S.Sindhu.	M.P.E. M.Phil., Ph.D.

16 Number of faculty with ongoing projects from a)National b) International funding agencies and grants received

Name	Funding Agency	Grant Received Rs.
Dr. R.S.Sindhu.	UGC	30,000

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

Name of Agency	Grants Received
Sports council	1,00,000
UGC	4,82,000lakhs(Equipment and sports Infrastructure)
Sports authority of India	2,00,000(Equipment and sports Infrastructure)

18. Research Centre /facility recognized by the University : Nil

19 a) Publications: Number of Papers published in peer reviewed journals (National/International) by faculty and students

- Sindhu.R.S.(2010)Yoga an Appropriate Choice for Different AgeGroup.Proceeding International Conference on Yoga Therapy ,Conducted by Alagappa University .12&13 February 2010.
- Sindhu . R.S.(2013) Analysis of Psychological Variables Between High and Low Performers of Basket ball Game. Proceeding of International Conference Conducted by Punjabi University ,Patiala.24-26.January. 2013.
- Sindhu R.S (2009), Evaluation Criteria for Individual and Team Performance in Basketball. Research Lines Volume II . No2.
- Sindhu R.S. and K.V.Joy (2010), Analysis of Psychological Variables Between High and Low performers of selected Games. Research lines volume III No 1.
- Sindhu R.S.(2010)Exercise is the Fountain of Youth.Proceeding of the National Conference on Exercise Physiology , Human Performance and Well being, Organized by M.S.M, College, Kayamkulam on 21-22 December 2010.
- Sindhu. R.S.(2010)Women Empowerment Through Education.Proceedings of the National Conference Conducted byP.K.M.College of Education, Kannur University 2& 3.March 2010.

- Sindhu .R.S.(2009) Developing Sports Science as an Academic Discipline .National Seminar Conducted by T.K.M.College Of Arts and Science ,Kollam 22&23 July 2009.
- Sindhu .R.S.(2010)Yoga the Need of Today. Proceedings of the State Level Seminar conducted by Morning Star Home Science College ,Angamali 26&27 October 2010

20.Areas of consultancy and income generated : Nil

- 21. Faculty as members in :** a)National committees b) International Committees c) Editorial Boards.
Mathew P. John-International Volley ball Referees Board
R.S.Sindhu -Member of Editorial Board (College Newsletter, 2010)
- 22. Student projects-:** Group Project (Health Survey)
- 23. Awards/Recognitions received by faculty and students**

Faculty

Dr.Mathew .P.John

- International Volley Ball Referee, FIVB (Member) . Major tournaments attended: Asian senior volley ball Championship at Iran-2012, National games held at Jharkhand, All India InterUniversity women championship held at Banares university (Varanasy) -2013-2014, Fedaration cup Volleyball Championship at Pathanamthitta-2013, World Championship Tournament at Colombo, Srilanka.
- Selector of M.G. University Volley ball Team.
- Member, M. G. University Board of studies(2008-2011,2014-2017)
- Convener M.G. University south zone(2012-2013)
- Member ,M.G. University Examination board
- Member, Kerala state volley ball association
- Vice President ,M.G. University physical education teachers association
- Subject Expert panel M.G. University

R.S. Sindhu.

- Resource person for State seminar conducted by Morning star college Angamali.
- Selector of M. G.University Yoga, Chess , Hockey and Basket ball team
- M.G. University Examination board member
- Kerala University Examination board member

Students

- Praveen Radhakrishnan - National player in Volley ball 2008
- Shamji K. Thomas-. Captain of Kerala State Senior Volle ball team(National Champion 2010 & 2011
- Harikrishnan .G, M.G.University Volley ball Team Member 2008 &2009
- Shijo Thomas, M.G.University Volley ball Team Member 2008 &2009
- Praveen Radhakrishnan, M.G.University Volleyball Team Member 2008 & 2009.

Best sportsman of the year award (Sponsored by Alumni, Riyad chapter)

- Shamji K. Thomas- 2009
- Shijo Thomas - 2010
- Praveen Radhakrishan- 2011

24. List of eminent academicians and scientists/ visitors to the Department

- Dr .Binu George Varghese , Assistant Director M.G.UniversityKottayam
- Dr. Manoj Iqbal. Director ,Agricultural University Trivandrum ,
- M.S. Varghese , Dy Director SAI South Centre.
- Soman Babu , Volley Ball coach , Kerala Sports Council
- Prakash Mathew , Volley ball coach SAI
- Ramanadhan . S. Sports Development Officer , Pathanamthitta
- Dr. Reginold Varghese , District Football Association Secretary
- Kurikesh Mathew , Dy Commandent of Police and former Indian Football Player
- M.G.Somarajan, Joint Secretary of State Hockey Association .
- Udayakumar . K, Arjuna Award Winner and Former Student

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 (refer question no. 4)	Year & Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
Open course in Physical education	2011-12 (65)	28	28	2	100
	2012-13 (59)	34	34	0	100
	2013-14 (72)	44	30	14	100
	2014-15 (76)	39	25	14	

*M=Male F=Female

27. Diversity of Students : Nil

28. How many students have cleared National and State competitive examinations such as NET, SLET, SET, GATE, Civil services, Defense services, etc. : NA

29. Students Progression

- Shamji K Thomas-K.S.E.B(2007)
- Praveen Radhakrishnan (police,2010)(Now at Customs & Central Excise)
- Tinu James (Army,2011)
- Jobish M.G. (Army ,2011)
- Srath Krishnan(Army, 2012)
- Jerrin Kurian (Army,2013)
- Abhilash Mathew (M.P.Ed , Teacher Central school , Bangalore, 2014)

30. Details of Infrastructural facilities

- Library. The Department has over 150 books other than those in the College general Library
- Internet facilities for Staff & Students:
- Fully Equipped Fitness centre
- Track (200 Mts)
- Basket Ball court
- Volley ball court
- Foot ball field
- Shuttle badminton court (Indoor)
- Yoga and meditation centre
- Indoor game facility (Table Tennis , Carroms and chess)
- Kho-Kho Court

- Kabaddi Court

31. Number of students receiving financial assistance from college, university, government or other agencies

- Financial assistance from Kerala Sports Council-12 Students
- Sports Authority of India -4 students

32 Details on student enrichment programmes (special lectures/workshops/seminar) With external experts.

- Practice Matches with nearby College and school teams
- Quiz competitions (2010-Topic Sports and Games)
- Quiz competitions (2012-Topic Olympic Competitions)
- Workshop on current issues.
- Coaching camps for developing general fitness
- One-day Sports seminar on“India at *London Olympics*”
- Yoga training for students
- Aerobic Dance for Girls students
- Teaching Bicycle riding for all girls students.
- Displaying postures for Health awareness
- Training Mass drill Programmes.
- Yoga , Meditation and Fitness Programme for staff.

33 Teaching methods adopted to improve student learning

- Fitness training programmes to all team members
- Special training and coaching camps to Sports students.
- Making opportunities to participate in more number of tournaments and coaching camps.

34 Participation in Institutional Social Responsibility (ISR) and Extension activities.

The faculty members are actively involved in organizing programmes like Blood grouping programmes and Traffic awareness.

Extension programmes

- Collaborations with Local Volleyball Association for developing sports at school level
- Conducting various coaching camps in the near by schools in Badminton, Volley ball and Kho -Kho
- Promoting health of the community by guiding them through Yoga , Aerobic dance, Walking and Exercise.

- Helping various Associations , Institutions and Panchayath for conducting tournaments and Athletic meet.
- Providing facility to the near by Institutions and local bodies.
- Providing sports goods to the adopted village

35 Strength, Weakness, Opportunities and Challenges (SWOC) analysis of the Department

Strengths

- Hosted various inter collegiate tournaments
- Sports Hostel for volley ball players
- Conducted Jubilee Memorial Inter- Collegiate volleyball tournament every year
- Conducted intramural competitions every year
- Organized annual sports meet every year
- Supports from Sports Authority of India , Volleyball Association and Kerala Sports council.
- Participating more than ten teams for inter-collegiate tournaments
- Internet facility
- Infrastructure facilities
- Conducting coaching camps for the school children
- Well equipped fitness centre for students ,teachers and the public
- Organized aerobic dance program for the students
- Conducted yoga and meditation classes for teachers and students
- Conducted inter department sports quiz competitions

Weaknesses

- Shortage of coaches
- Lack of Indoor facility
- Less skilled and interested students are joining the college
- Less scope of job opportunity
- Inadequate merits or rewards for the skilled players

Opportunities

- Popularization of sports in rural areas
- Organize health awareness programme for the public
- Training programme during summer vacation
- Introduce skills to develop interest among students

Challenges

- Inadequate funds to provide sufficient nutritious food for the sports students.
- In the nearby schools sports is not given due importance ,so there is a lack of skilled students who take admission in the college.
- No insurance claim for the players if they get injury during play.

Future plans

- Apply for add on course on Yoga and stress management
- Apply for National seminar
- Apply for Sports hostel
- Apply for Projects
- Introducing “ Sports for All” Scheme in the college
- Form new teams and games that are not yet introduced in the college.
- Invite coaches for special training
- Indoor facilities for the major games
- Conduct various Intercollegiate tournaments .
- Fitness programme for all the students.

DEPARTMENT OF COMPUTER SCIENCE

1. **Name of the Department** : Computer Science (Self Financing)
2. **Year of Establishment** : 2003
3. **Names of Programmes offered** : B.Sc. Computer Science
4. **Annual/ semester/choice based credit system (programme wise)** :
B.Sc. (Computer Science) – Choice Based Credit & Semester System.
5. **Participation of the Department in the courses offered by other Departments** :

Our students attend Communicative English Course offered by the English Dept., Computer course offered by the Common Computer Facility of the College.

6. **Number of Teaching posts** : 7
7. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)**

Name	Qualification	Designation	No. of Years of Experience
Prof P.M Thomas	M.Sc Mathematics	Director	36
Pheba T.L	MSc Electronics	Lecturer	09
Viji George	MCA	Lecturer	07
Kajal Kamal	MCA	Lecturer	07
Anup George Varghese	MCA	Lecturer	05
Susan Abraham	M.A English	Lecturer	04
Grace Saji	M.Com	Lecturer	07

8. **Student -Teacher Ratio (programmewise)** :UG : 26 : 1

9. **Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG**

Name	Qualification
Prof P.M Thomas	M.Sc Mathematics
Smt. Pheba T.L	MSc Electronics
Smt. Viji George	MCA
Smt. Kajal Kamal	MCA
Sri.Anup George Varghese	MCA
Smt.Susan Abraham	M.A English
Smt. Grace Saji	M.Com

10. List of eminent academicians and scientists/ visitors to the department:

- Dr M.S Samuel , Director, MACFAST Thiiruvalla, visited the department in 2012 and addressed the students.

11. Seminars/ Conferences/Workshops organized & the source of funding

- Workshop :The Department conducted a three day workshop in PHP and MySql for final year students in August 2013 which was funded by PTA of the college.

12. Student profile programme/course wise: B.Sc Computer Science

Year of Programme	Applications	Selected	Enrolled		Pass%
			*M	*F	
2007-08	65	60	57	28 29	71.43
2008-09	60	58	55	25 30	67.50
2009-10	45	42	42	21 21	81.67
2010-11	43	46	43	23 20	73.23
2011-12	70	60	56	30 26	74.42
2012-13	60	59	58	20 38	78.5
2013-14	55	49	46	25 21	64

13. Diversity of Students

Percentage of students from the same state: 100%

14. Student progression

Student Progression	Against % Enrolled
UG to PG	35
PG to M.Phil	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	
• Camus Selection	4
• Other than Camous Recruitment	35
Entrepreneurship/Self-employment	5.5%

15. Details of Infrastructural facilities

- Library – Department Library consists of 834 books for teachers and students reference only.
- Internet facilities for Staff & Students - Internet facility is available to all the students of the Department and staff.
- Laboratories - A Computer Lab with 24 computers exists in the Department. This is utilized by both the staff and students of the Department. Internet facility is also available in the lab.

16. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Workshop : The Department conducted a three-day workshop in PHP and MySQL for final year students August 2013.

Subject Association

Computer Science Association is working actively. Conducts seminars, counselling classes and cultural programmes. Onam and Christmas are celebrated with arranging several programmes arranged by the students.

The following seminars/lectures/workshops/counselling classes were conducted by the Association :

- A counseling class on Personality Development was conducted by Fr. Pradeep Vazhakatharamalayil, Principal MACFAST Thiruvalla.
- A talk on “ Emerging trends in IT “ was held in July 2012 Dr. Ninan Sajith Philip , associated with IUCAA Pune , was the resource person.

17. Teaching methods adopted to improve student learning :

- Peer Group learning – Students of each class are divided into several groups. Each group consists of students of different academic level. They discuss the difficult topics taught and the bright students in each group help the weak students to understand these topics. This activity improve the skills and understanding level of each student.
- Conducting Module wise test papers other than the two internal tests.
- Group Discussion in the class – Teachers spare some time to discuss about the topics they taught in each class. Students utilize this time to share their difficulties and doubts and through discussions they clear these.
- Assignments – Teachers give assignments and home works, which enable the students to work out many problems from the topics they have studied.
- Seminars – Each student is assigned to take seminars, which improves the communication skills and their ability of self study.
- Quiz competitions – Several quiz competitions are conducted in General and subject related topics, under the leadership of Computer Science Association. Majority are conducted by students and this improve their knowledge in subject and related area.
- Questions are asked by the teachers regularly to test the student's knowledge regarding the previous classes.
- Brilliant students of each class are encouraged to take classes on certain portions of their syllabus

18. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Teachers Participation:

Prof. P.M Thomas

- Director of Self Financing courses.
- Member of Staff council

Anup George Varghese

- Member of college staff executive committee.
- Served as Association In Charge.

Student Participation:

Several of our students are active members of the NCC and NSS unit of the College and they participate in various social activities relating to community development, blood donation etc.

19. SWOC analysis of the department and Future plans

Strengths

- Cooperation among the members of the Department. A very cordial relationship exists among the members of the Department.
- Good teacher - student relationship.
- Maximum classes are taken in the Department without leaving the students free by engaging free hours, and taking extra classes.
- An active Subject Association works in the Department.
- Internet facilities are available for all the students.

Weaknesses

- Lack of funds for conducting seminars, workshops etc.
- No placement facility for students
- Lack of financial assistance from government for SC/ST students
- No FIP facility for the teachers for doing the M.Phil, Research etc.

Future Plans

- Conduct more Association activities.
- To conduct more seminars and value oriented talks to the students of the Department.
- Improve the infrastructure facilities of the Department.
- To encourage the faculty to do research.
- To start a placement cell for the outgoing students.
- To introduce Post Graduate course in Computer Science



St. Thomas College

KOZHENCHERRY

KERALA STATE- 689 641

Re-accredited by NAAC with B++

Phone: 0468-2214 566

Fax: 0468-2215 543

www.stthomascollege.info

stthomaskozhy@gmail.com

DECLARATION BY THE HEAD OF THE INSTITUTION

I certify that the data included in this Self Study Report(SSR) are true to the best of my knowledge.

The SSR is prepared by the institution after internal discussions and no part thereof has been outsourced.

I am aware that the Peer Team will validate the information provided in the SSR during the Peer Team visit.

Place: Kozhicherry

Date: 02. 09. 2014

Principal/ Head of the Institution



PROF. ROYS P DAVID
PRINCIPAL
ST. THOMAS COLLEGE KOZHENCHERRY
KERALA STATE - 689 641



St. Thomas College

KOZHENCHERRY

KERALA STATE- 689 641

Re-accredited by NAAC with B++

Phone: 0468-2214 566

Fax: 0468-2215 543

www.stthomascollege.info

stthomaskozhy@gmail.com

UNDERTAKING

This is to certify that St.Thomas College ,Kozhencherry, Kerala fulfills all norms.

1. Stipulated by the affiliating University and
2. Affiliation and recognition are valid as on date

In case the affiliation/recognition is conditional the 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 our institution is found to be false, then the accreditation given by NAAC is liable to be withdrawn.

The undertaking given to NAAC is also displayed on our institutional website

Place: Kozhencherry

Date: 02-09-2014

Principal/ Head of the Institution



PROF. ROYS P DAVID
PRINCIPAL
ST. THOMAS COLLEGE KOZHENCHERRY
KERALA STATE - 689 641