

**ANNUAL QUALITY ASSURANCE REPORT (AQAR)  
PREPARED BY THE IQAC (2009-10)**

For

**THE NATIONAL ASSESSMENT AND ACCREDITATION  
COUNCIL (NAAC)**

**BANGALORE**

By



**SACRED HEART COLLEGE**

(NAAC Re-Accredited A<sup>+</sup> Level)

(College with Potential for Excellence – UGC)

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# THE ANNUAL QUALITY ASSURANCE REPORT (AQAR) (2009-2010)

SUBMITTED BY THE IQAC  
Sacred Heart College, Thevara

## VISION OF THE COLLEGE

Our vision is the fashioning of an enlightened society founded on a relentless pursuit of excellence, a secular outlook on life, thirst for moral values and an unflinching faith in God.

## MISSION OF THE COLLEGE

Our mission is to provide an environment that

- facilitates the holistic development of the individual
- enables our students to play a vital role in the nation-building process and contribute to the progress of humanity
- disseminates knowledge even beyond the academia
- instils in the students a feel for frontier disciplines and a concern for the environment by setting lofty standards in the ever-evolving teacher-learner interface

## IQAC QUALITY POLICY

WE ARE COMMITTED TO PROVIDE VALUE BASED, HOLISTIC EDUCATION IN THE FIELD OF ARTS, SCIENCE AND HUMANITIES WITH EMPHASIS ON INDIVIDUAL EXCELLENCE AND SOCIAL COMMITMENT IN TUNE WITH SOCIETAL NEEDS. WE SHALL FOCUS ON CONTINUAL QUALITY IMPROVEMENT, AND WORK FOR THE SATISFACTION OF STUDENTS, PARENTS, TEACHERS, STAFF AND SOCIETY IN GENERAL.



THE ANNUAL QUALITY ASSURANCE REPORT (AQAR)  
SUBMITTED BY THE IQAC (2009-10)

Name of the Institution: - SACRED HEART COLLEGE, THEVARA,  
KOCHI -13  
(NAAC Re-Accredited A<sup>+</sup> College)

Year of Report: 2009-2010

### Introduction

In its 65<sup>th</sup> year of existence, Sacred Heart College is surging ahead strongly holding to the conviction that the 'best is yet to be'. Since the academic year 1998-99 when the college bagged the R. Sankar Award for the best special grade college in the state, it was accolades all the way. Five star accreditation in 2001, CPE status in 2003 and re-accreditation at the A+ Level in 2007 have not left any space for complacency in this highly competitive arena of higher learning. This realization has spurred us in shaping employable individuals who are intellectually competent, spiritually mature and morally upright.

The yearly additions on the college roll of honour put a lot of pressure on the management and the faculty. With the much needed central government grants under various heads, we have made giant strides this year too providing infrastructural facilities worth lakhs of rupees. The Zoology, Chemistry and Botany Departments enjoy FIST assistance from the Department of Science and Technology, Government of India. We have been receiving funds from UGC under the head of CPE since 2004. We have also signed MoUs with Spectrometry Division– Washington University, USA, National Centre for Mass Spectrometry, IICT, Hyderabad and the British Council to name a few. We extended our whole hearted support to the newly introduced semester system (CBCSS) by the MG University. Our computer department has developed a new programme for the computation of grades in the college as a part of introduced CBCSS system.

## College Community

With 1870 students from backward, urban, and semi-urban backgrounds on the rolls, and with a handful of non-Malayalee students in most classes, we have a vibrant campus. Seven of our Departments are recognized research centres for PhD under the Mahatma Gandhi University. With 17 ranks, the University results have made us proud this year too.

The College has on its faculty 65 regular and 37 guest lecturers; 34 of the regular faculty are PhDs and 20 have M.Phil. We have 48 members on the establishment staff who are known for their commitment.

## The Year of the Green (International year for Bio-diversity)

The academic year 2009-10 will go into the pages of our history as the Year of the Green not merely for our attempt to paint the campus in green but for the philosophy and the message that we pass on to our students and the society. Taking inspiration from the Primrose Nature Club, a concerted effort at campus beautification started in the 1990's when the verandas were decked with hundreds of potted plants. Since then we have bagged many awards including the coveted National Environmental Awareness Award for 2008. This year we have tried to convince over young minds that there is a space for the princely horses, the exotic emus, the saline, brackish and fresh water fishes in our liberal campus. The newly installed solar cum wind generator, waste treatment plan and the video conferencing facility to be installed will go a long way in spreading the message of concern for nature. We brought action in to the platitude 'go green' and we have renamed it "Grow Green".

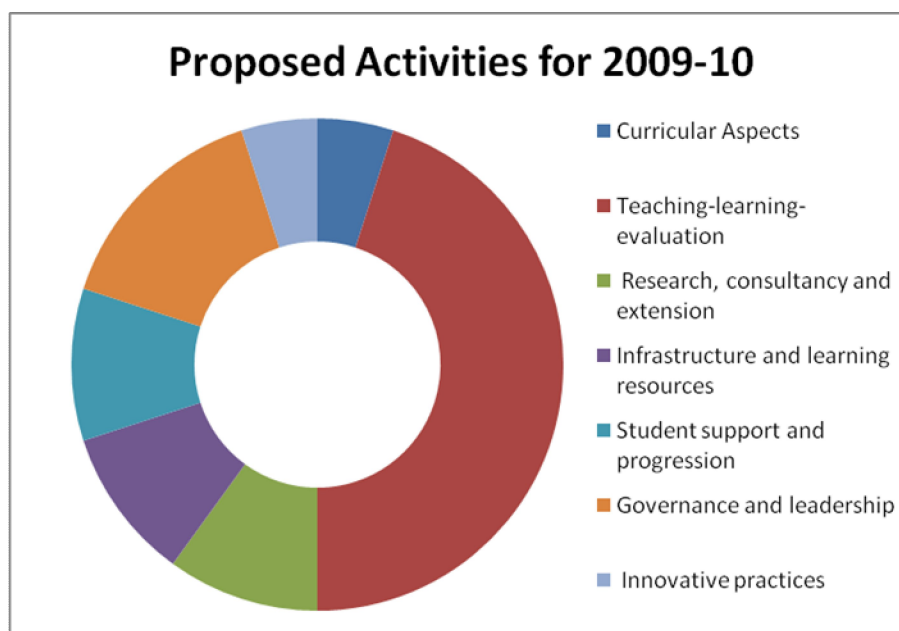
## PART -A

Plan of action chalked out by the IQAC at the beginning of the year (2009-10) and the outcome at the end of the year

Our planning for the academic year 2009-10 was based on five values of assessment of higher educational institutions such as: -

- Contributions to national development
- Fostering global competencies among students
- Inculcating a value system in students
- Promoting the use of technology
- Quest for excellence in all disciplines

We have ensured a timely, efficient and progressive performance of academic, administrative and financial tasks. Modern methods of teaching, learning and evaluation have been further enhanced within the system.



Various workshops, seminars on different aspects were conducted. Top priority was given to documentation of the various programmes/activities of the college. Internal communication system was further strengthened. Faculty and administrative staff was



encouraged to participate in the programmes to improve their individual quality and efficiency.

Date of the programmes was fixed and responsibility for the conduct was entrusted with the faculty members for the following programmes:

- Literary Club Activities,
- Onam Celebration
- Quiz Programmes
- Tutorial System
- Women's Cell Activities
- Parent –Teacher Association
- Departmental Associations
- Zero day of Mathematics Department
- Fusion of Physics Department
- Zoo-Fest of Zoology Department
- Flora-Fest of Botany Department
- Chemi-Fest of Chemistry Department
- Aqua-Fest of Aquaculture Department
- Heart beats – news letter of college
- Socio-Fest of Sociology Department
- Econo-Fest of Economics Department
- Home Coming for the Alumni
- College and Department Alumni Association
- Retired Teachers Forum

Management Governing Council, College Council, IQAC, Departments and other bodies like Parent Teacher Association, Student Welfare Trust have taken part in the planning of the academic year. Dates and plan of action for the conduct of Seminars, workshops and conferences, Sargapatham, Hrdyasarga-sangamam, Heartifest, Programmes for communal harmony, Aqua Food Festival, World Environment Day celebrations, Annual day celebrations, Armed Forces Flag day celebrations, All India inter collegiate festival-Tandav, activities of the departments, clubs and other sub units, Quiz competitions, Tutorial systems, Renewal programmes for teaching and non teaching staff were done, at the beginning of the year and the responsibilities were

entrusted with teachers, students and staff concerned. The following programmes were also chalked out for the year 2009-10.

- Preparations for the implementation of Choice Based Credit Semester System (CBCSS) as per the MG University instruction.
- Training for Hindi pre-test examination was given to the students.
- Teachers were encouraged to present research papers abroad.
- Speedy steps were taken to complete infrastructural and technology upgradation programmes through CPE funds.
- Construction of women's hostel started.
- Campus beautification programme was strengthened.
- Computer for all staff members (Non-teaching).
- Introducing new programmes.

The outcome achieved during 2009-10

- This year college has secured 17 ranks of Mahatma Gandhi University in various UG and PG examinations.
- The management governing council took active interest in the completion of infrastructure development as envisaged last year.
- Many measures were taken and successfully administered for the sustenance of academic quality.
- Persistent efforts taken by the college community lead an increased bondage among all the stake holders.
- The extension programmes undertaken by the college for the society was successful in bringing national spirit and social consciousness among the stake holders.
- The successful implementation of Choice based Semester system for our first degree students.
- October 1, was observed as Founders Day and we paid homage to Rev. Fr. Sales on his 25<sup>th</sup> death anniversary.
- Students of the college were highly sought after by the many of the national and international firms as evidenced by the number of institutions approached the college for campus recruitments.
- Mr. Kishen K. Warriar (a rank holder in the 2009 B.Com Examination) brought laurels to the State with a first rank in the CA examination 2009 also.

- Ms. Shradda Vinodkutty of III BA Economics caught national attention by joining the Indian delegation to the South Asian Federation Economics Students Meet at Dhakha, where she presented a paper on Micro-finance.
- For the sixth time in a row the Hindi Department bagged the Hindi Prachara Sabha Trophy for maximum participation in Hindi Pre-test examination for the students of MG University.
- Dr. Georgekutty Joseph attended 17<sup>th</sup> American Conference on Crystal Growth at Lake Geneva, Wisconsin, US. He also presented three papers and visited 'Fermilab in Chicago'.
- The department of Botany gets FIST approval and it is supported by the Department of Science and Technology, Govt. of India.
- Dr. P.A. Sebastian has been selected National Collaborator for Spider Studies. He has been awarded a project worth Rs. 33.8 Lakh by the ministry of Environment.
- Dr. Philip Mathew of the department was awarded with the post of Doctoral Fellowship of UGC.
- Dr. John Joseph, faculty member of the department was nominated to the Board of studies of Zoology, Mahatma Gandhi University.
- An inventory of campus flora was released by the department of Botany.
- P.O. Cadet Venketakrishna visited Mauritius, Seashells as part of an NCC delegation.
- Grow Green Campaign launched, the message taken to other campuses as well.
- A hybrid generator that harnesses solar and wind energy with a capacity of 2300 watts was installed.
- Waste management has been taken up in a systematic manner. Plastic & Paper waste recycled and the biodegradable refuse is converted into compost in a nature friendly manner. The message is being taken home by staff and students.
- Radio Frequency ID Cards distributed to all students for use at the college gate between 10 to 4, the library and the computer lab.
- Horse riding and yachting training introduced.
- 600 meter walk lane made and Health Club renovated.

- Aquarium and fish ponds put up for the eyes and the mind.
- Staff and students can now avail the service of a college bus.
- The proposed women's hostel construction was started with the fund sanctioned by UGC (Rs. 80 lakhs).
- College bagged the first prize for the Institution Garden for the sixth time by the Ernakulam district horticulture authorities.
- A team of Japanese students visited the college from 19<sup>th</sup> to 25<sup>th</sup> February, 2010 to attend classes on Kerala Economy, Education, Social & Political system.
- Golden Jubilee celebration of starting PG programmes in Economics was concluded on March 29, 2010.
- The college rated as No. 1 in the State by India Today.
- Computer was supplied to the establishment staff on loan and subsidized rate.



## PART – B

### 1. Activities reflecting the goals and objectives of the institution:

All of our departments, clubs and other sub-units fine tuned their activities to fulfil the institutional goals and objectives. Report of the important and special performances of the departments, besides their routine teaching, research and extension works are given below:

#### Department of English

The retention of Prof. Jose Abraham and the return of Dr. C.S. Francis were solid reasons for joy at the outset. A good part of the excitement was taken away with the temporary exit of Rev. Sr. O.J. Rosily who was selected as Provincial Superior of her congregation. Much of the attention of the Department was focused on the successful implementation of the revised syllabi that came along with semesterisation. The Department gratefully acknowledges the special interest shown by our Principal for the smooth conduct of the external viva examination for 427 students. A media seminar was organized by the Department in association with MOP Vaishnav College, Chennai. The seminar was attended by students from all the city colleges. Rev. Fr. George Koyikkara endowment lecture is to be held on 18 February. The Rev. Dr. Dan Thottakara memorial lecture and the 13<sup>th</sup> National Seminar in memory of Rev. Dr. Dan Thottakara are commitments to be realized before the end of the term. Department organised classes for BEC (Business English Certificate) vantage level of Cambridge University and UK.

#### Department of Oriental Languages

The Department of Oriental Languages plays a pivotal role in planning and implementing the various cultural activities of the college. Some of the most active clubs and associations such as Literary Club, AICUF and Media Activities are organized by Prof. K.G. Narayanan, Dr. K.K. Paulose and Prof. Mathew Jose. We retained the trophy awarded by the Hindi Prachar Sabha for the maximum participation among MG University Colleges. "Mind Matters" is a novel programme initiated by Prof. Mathew Jose. Ram

Chandra mission and the Malayalam department have organised All India Essay Writing Competition for the college students.

#### Department of Economics

Basking in the Golden Jubilee glory of the PG section the Economics Department began the first Rev. Fr. Zacharias Payikat endowment national seminar on 'Climate Change' which was inaugurated by Mr. R. K. Sethi, Director (Climate Change), Ministry of Environment and Forests, New Delhi on February 4<sup>th</sup> 2010. Prof. M. K. Prasad, noted environmentalist and Dr. E. Vivekanandan, Principal scientist CMFRI, Kochi were the key resource persons.

The department has continued its Village adoption scheme JANAPARVAM to enhance the quality of life and integrated development of poor people in Maradu Panchayath. Lectures were given on Logistics, on Union Budget-2009 by Prof. P. J. Johney, European Business Competition Procedures by Mr. Stephan Yang, Currency Derivatives by Prof. Rex Alherst and Environment and the Economy by Prof. Indira Devi. Rev. Fr. Gilson John, a faculty member became Principal of St. Joseph's College, Moolamatom. Ms. Nandini R. Nair got the first rank in BA Economics, and she is to get the best all rounder Gold medal for the academic year 2008-'09 instituted by the Corporation Bank. Another achiever was Ms. Shradha Vinodkutty who presented a paper in an International Seminar, at Dhaka, Bangladesh. The Department organized an International Seminar on 24<sup>th</sup> February, Dr. Saito Chinchiro, Dean, Faculty of International Welfare Department, Nihan Fukushi University, Japan was the chief resource person and the topic was 'Indo-Japanese Socio-Economic Dynamics in the Changing World Order'.

#### Department of Sociology

The activities of the Sociology Association were inaugurated by D.M. Devaraj, Project Officer Corporation of Cochin. Three institutional visits were arranged to develop social awareness. 22 students and 2 teachers attended the 36<sup>th</sup> All Kerala Sociological Conference at Loyola College, Trivandrum. The manuscript magazine named "Renaissance" was released on 18<sup>th</sup> November 2009. The first rank in BA Sociology went to Abraham V.

Eapen. Under the auspices of the department and Indian Social Institute conducted an essay competition in connection with Human Rights Day December 10 on the topic 'Rights of Children Violated than Protected'.

#### Department of Commerce

The activities of the commerce association were inaugurated by Mr. S.P. Kamath (Vice President of the Amalgum Group of Companies). B.Com students secured 5 out of the first 10 ranks in the university exam. The department also got the first three ranks for the M. Com examination. The 4th Prof. George Chakola Memorial Award Day felicitated the rank holders and Kishen K. Warriar. Dr. Mathew Jose and Prof. T. P. Thomas have initiated the Entrepreneurship Development Club which is popular among the students. The rank tally went up with the publication of PG results when the Department bagged the first three ranks.

#### Department of Mathematics

The two day workshop for setting question papers for the undergraduate programme in Mathematics in the Choice based credit & semester system was held on 13<sup>th</sup> & 14<sup>th</sup> August 2009. The "Alumni" meeting was held on 15<sup>th</sup> August 2009. A regional quiz programme on statistics in association with the old student's forum of department of statistics CUSAT was held on 22<sup>nd</sup> January 2010. Basic Mathematics Learning Programme (BMLP) was conducted for the students of other disciplines. The "Zero day" celebration will be conducted on 20<sup>th</sup> February 2010.

#### Department of Physics

The Physics Dept. has been very active this year. Mr. Alex Shinu Scaria rejoined the Department. The Academy of Physics teachers (APT) and the department jointly felicitated Dr. Godfrey Luis the Pro-vice chancellor of CUSAT. A photo-panel exhibition on 'Astrophysics' and a class on 'The Universe' which was taken by Prof. P.S. Sobhan were conducted. Balasubramanian P.N. –II BSc won the first prize in the state level talent search examination conducted by Association of Physics Teachers(ATP). The department won the ever rolling trophy for the best physics department, instituted by APT. N. Sethulakshmi, Haritha H. and Manju



Varghese got the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> ranks, in MSc Physics exam 2009. An International Symposium on Nano Technology was held on 22<sup>nd</sup> February, 2010. Dr. Thomas Thundath, our former student, with more than 50 patents, was the chief guest. In connection with World Space Week celebration, Physics department has organised a one week long programmes including video shows (Chandrayan-India's ongoing master space programme), quiz, essay writing and presentations.

#### Department of Chemistry

Two day-long Prof. K. V. Thomas Endowment National Seminar on "Modern Trends in Chemistry" was held on 5-6 February 2010. Dr. G. Madhavan Nair former Chairman, ISRO, inaugurated the seminar while Prof. K.V. Thomas, Minister of the State for Agriculture and Civil Supplies was the Guest of honour. Prof. K.D. Narayanan and Prof. Nalin Pant of IIT, Delhi delivered invited lectures. Dr. Mahesh, Asst. Professor, IISER, Trivandrum inaugurated the activities of the chemistry association. The former student's Meet CHEM-ALUMNI was held on 27<sup>th</sup> December 2009. Chemi-Fest-the annual festival of the department was held on 18<sup>th</sup> February 2010. A 'Merit evening' was conducted on 6<sup>th</sup> February to honour the Rank holders and UGC-CSIR NET winners of the year. The faculty members published two research articles in international journals using the facilities introduced utilizing the FIST funds. The facilities of the department were improved by the addition of MO calculation software package, Spartan 08. The MSc student projects were of the standareds and marked the basis for future publications. Students got placements in pharmaceutical companies and other places. Soumya T.S. and Sebastian N. Remello got first rank in MSc and BSc Chemistry examination, respectively conducted by Mahatma Gandhi Univeristy.

#### Department of Botany

The Department of Botany is celebrated the 25<sup>th</sup> year of the PG section. The activities of the Botany association were formally inaugurated on 8<sup>th</sup> October 2009 by Mr. N. Vijayan, CEO, V.F.P.C.K., Kakkanad. On 4<sup>th</sup> of November 2009, in association with V. F. P. C. K. Botany Department organized a vegetable seed distribution programme to motivate our

students as well as the general public with farming habits. The department conducted an invited lecture by Dr. Prof. P. V. Madhusoodhanan, HoD of Botany, Calicut University, in connection with the silver jubilee celebrations. Fr. Aquinas CMI Inter Collegiate Botany Quiz competition was conducted on 15<sup>th</sup> January 2010. Botany association conducted the Flora fest - The cultural and Educational meet of the Department - on 15<sup>th</sup> January 2010. The Botany Department has been recognized by Department of Science and Technology, Govt. of India, under FIST programme. An amount of 27, 00,000/- as the first instalment out of Rs. 35, 00,000/- has been released for the improvement of infrastructure of the Department. Ms. Soumya Murali and Nisha M. C. secured First and Third Ranks in Mahatma Gandhi University Examinations in M Sc. Botany. Congratulations to the rank holders. Alumni Association was held on 13<sup>th</sup> February.

#### Department of Zoology

Mr. Sidharth Jayakumar, Ms. Mary Jinu, Mr. Vineethkumar T. V. brought glitter to the department by winning the first rank (BSc), 2nd and 3rd ranks, (M.Sc.) respectively. Dr. John Joseph was nominated to the Board of studies of Zoology, Mahatma Gandhi University. Dr. Philip Mathew of the department was awarded Post Doctoral Fellowship of UGC. Dr. P. A. Sebastian was nominated as the principal investigating officer in the project for the study of the taxonomy of spiders by the Zoological Survey of India. Dr. Sudhikumar A. V. research scholar of the Department was awarded with the Encyclopaedia of Life (EOL) – Rubenstein Fellowship of Smithsonian Institute, Washington, USA for the study of Spiders of the Western Ghats. Activities of the Zoology association of this academic year were inaugurated by Dr. George Mothi Justine, consultant pulmonologist, Medical Trust Hospital, Kochi. The manuscript magazine 'kainos' was released on the occasion. Department organized a two day hands on training on Biotechnology Protocols. DNA isolation and quantification, PCR amplification of DNA, DNA band analysis by Gel Electrophoresis were the protocols introduced to the post graduate students. Department published 'ACTA ZOOLOGIA' the wall magazine prepared by I MSc students on 10<sup>th</sup> December.

## Department of Physical Education

Physical education is a significant component of holistic education, with tangible value-addition to the stakeholders' well being. On the strength of our tremendous sporting credentials potential sportsmen and sponsors gravitate towards us helping us create an enviable track record in sports. With vibrant Basketball culture from its inception, the college has proved its distinction in many other games. The conduct of Fr Bartholomew Memorial tournaments for the last 65 years without a break is an eloquent testimonial to the abiding sporting dedication of our College. This year 14 men and 6 women teams participated in the M.G. University inter-collegiate championships. Out of that the college emerged as Winners in four disciplines, Runners up in two and Third in two. 32 students represented the M.G. University and the Kerala state in various games, and four students represented India. More than 75 students are eligible for the sports grace mark and 6 students got jobs through sports quota in KSEB, Food Corporation of India, Customs and Paramilitary forces this year. The Volleyball men team were the runners-up of Fr. Bartholomew Tournament and Old Students cup, Christ, Irinjalakuda. The department organized various tournaments in the city. Mrs. Mercy Kuttan Academy for Athletics and Cricket Academy of Kerala works in association with the department. Yachting Training, Horse riding practice are managed by the department. Takevando demonstration by Korean students was arranged for our students.

## Department of Aquaculture

In the final Semester Examination, Miss. Soumya V.S., Mis. Remya, K. and Miss. Dhanya V.K. secured I, II and III Rank respectively. Visits were arranged to Govt. Net Making Factory, Eranakulam, Fishing Village, Nayarambalam, and Research Vessel, FORV Sagar Sampada. Dr. V.C. George acted as Subject Matter Specialist for CUSAT and was appointed a member of the Committee for design and construction of Multipurpose Oceanographic and Fisheries Research Vessel for Central Marine Fisheries Research Institute, Kochi. Dr. Prabhakaran, M.P. was awarded Research Associateship by Council for Scientific and Industrial Research, New Delhi. The Staff and Students participated in the International AQUA SHOW

conducted by the Dept. of Fisheries, Govt. of Kerala and was awarded second prize in the category of National Ornamental Fest..

#### Department of B.Com Computer Applications

The association was inaugurated by Mrs. Maida Mathew, Manager Federal Bank. A seminar on Career opportunity was organized by the department for the second and third year B.Com Computer application students

#### Department of Computer Science

The CASA (Computer Applications Students Association) was inaugurated by Mr. Arafat Aboobeker. Mr. Sumesh, Faculty, Cochin CAD Centre conducted a seminar on Multimedia & Animation. Seminar on Software Testing & Training was conducted by Mr. Anil Kumar & Mr. R Suresh Babu (Managers, Business Development, STC Technologies Pvt. Ltd. The department hosted COLOSSEUM 2010, an Inter collegiate IT Fest. Mrs. Ajay Alwa, National Head of NIIT inaugurated the function and presented paper on 'Infrastructure Management System'. Students organized different events like Gaming Zone, Coding and Debugging, IT Quiz & Word Hunt. Five students were selected by Wipro. Remedial classes are given to slow learners. Resmimol K. has secured 2<sup>nd</sup> Rank with 96.3% marks in the BSc examinations.

#### Library

The Computerized General Library of the college has a collection of 77875 books and it subscribes to 129 Journals & Periodicals. The general library has a spacious reference section with a collection of over 10,308 books for reference.

#### Parent Teacher Association (PTA)

The PTA and the Student's Welfare Trust meet every 2<sup>nd</sup> Wednesday. PTA provided financial aid of Rs. 10100, medical aid of Rs. 5000 and Rs. 52000 to various other activities of students in the college. Student welfare trust provided Rs. 40800 towards scholarships & awards and Rs. 25000 to the various expenses of Youth Festival.

## College Union

The election of the College Union was held on 25<sup>th</sup> September 2009. The following students were elected as the office bearers. Chairman-Mathew Sherin C.L., Vice Chairperson-Emily Jo Mark, Gen. Secretary- Nafas K.N. Arts Club Secretary- Sidharth Bharath, Magazine Editor-Muhammed Ibrahim, UUC- Rekhil M.K and Rahul Raj and Lady Representatives; Elizabeth and Raiba. The College Union was formally inaugurated by Film Actress Meera Nandhan and it was followed by a Ganamela by Cochin Millennium Singers. The Arts club was inaugurated by the Music Director Alex Paul and Star Singer winner Vivekananthan. The Union co-operated with the authorities in conducting various cultural programs in the college. With the active support of the college union, Sacred Heart stood 4<sup>th</sup> in the MG University.

The prize winners of the MG University Youth festival are: -

Shalini Menon	Folk dance (III Prize), Bharathanatyam (A grade), Kuchipudi (A grade),
Sen Janson	Ottamthullal(IPrize), Bharathanatyam (II Prize)
Nandini Balachandran	Light Music (I Prize)
B. Lakshmi	Classical Music (I Prize)
Abraham Jose	English essay writing (I Prize)
Group Song Eastern	II Prize
Oppana	III Prize
Sidharth Bharath	Light Music (A grade)
Sarin Chacko	Kathaprasangam (A grade)
Jose Mathew	Western percussion (A grade)
Sreelakshmi Sreekumar	Bharathanatyam (A grade)
Susan Margret	Vocal Solo (A grade)

The union conducted a film festival on 29<sup>th</sup> & 30<sup>th</sup> January 2010.

### NCC Army Wing

The NCC activities of the year 2009-10 were inaugurated by the Deputy Commissioner of Excise of Ernakulam District Mr. Mohanan on 1<sup>st</sup> August 2009 Sergeant Abraham Jose and Cadet Manoj C H won the first Prize and Cdt. Ajay Sunil and Cdt. Deepu K. Uthaman bagged third prize in the Quiz Competition conducted by Government Polytechnic Kalamassery. CQMS Jobin V. Joseph attended the Special National Integration Camp held at Kohima, Nagaland.

### NCC Naval Wing

NCC Naval wing began its activities in the 2nd week of August, enrolling 50 cadets under the guidance of Lt. Siby Mathew. Cadet Venkita Krishnan was selected to attend naval cruise onboard INS Krishna to visit 3 countries Mauritius, Seashells and Colombo. P O Cadet Abin Lenus selected to represent the Kerala & Lakshadweep Directorate at Nau Sainik Camp at Vizag. He bagged gold medal in boat pulling and parade competition at the National level during the above camp, the social service programme PARADIGM was inaugurated by Group Commander Ernakulam group Capt (IN) S K Bathra. As a part of it the cadets spent one day at old age home at Thevera.

### National Service Scheme (NSS)

The College has 3 units with an enrolment of 345 students. 6 volunteers attended inter collegiate camps held at different colleges. Volunteer secretaries attended the volunteer secretaries training camp conducted by MG University. One minicamp and another Nature study camp were conducted during the year. A talk on Cancer care by Dr. Gangadharan, a reputed oncologist was arranged in the college under the auspices of NSS. 10 day camping programme was conducted during Onam holidays at Govt. High School, Vennala.

### Career Guidance Centre

The Centre caters to the career needs of students. 17 periodicals dealing exclusively on career matters are made available to the students. The centre prepares students to face career-oriented examinations with confidence, and prepares them to face interviews and to take part in group

discussions. Talks on career awareness, orientation and model sessions on how to face interviews and group discussions, and classes on the preparation of C.V. etc. were organized. Sri. B.S. Warriar, renowned career consultant and journalist lectured on these aspects. Some of the other programmes conducted by the centre are: awareness programme on IELTS, TOEFL, GRE, & GMAT, presentation on various management programme within the country and abroad, presentation on various courses on Logistics and Shipping, awareness programme on opportunities in Aviation sector/ Air hostess, presentation on career opportunities in Hardware and networking and on Master Diploma in Interior Architecture and Design etc. Students are also given assistance to find suitable placements for on-the –job –training. Campus interviews by reputed firms are also organized by the centre

#### AICUF

AICUF organized different camps on various subjects. The AICUF DAY was held in September. Arun T.C. attended the National Camp held at Pune, on Uplift of Dalit communities. AICUF organized a show by the Elexier Rock Band. It gave the lead in the observance of communal harmony, AIDS day, World Human Rights Day. S.H. Unit visited Abhaya Bhavan, Kodanad. A tea stall was run in connection with Hearti-Fest 2010.

#### Women's Cell

The activities of the women's cell of our college began with a demonstration training in glass painting, Fabric designing and colour combinations by Mrs. Vasantha Kumar from Fevicol. It was followed by a one day workshop on glass painting on 10<sup>th</sup> October 2009. The activities of the counselling department were coordinated by the Women's cell.

#### Jesus Youth

Fr. Jobi of the Botany Department is in charge of Jesus Youth. In October rosary devotion was promoted in a big way. Jesus youth members conducted adoration in the monastery Chapel. Students and staff of the college participated.

### Music Club

The Music club had a fantastic run in the year 2009-10. The members of the club did the college proud by winning many prizes in the MG University Youth festival and other intercollegiate fetes and competitions. Our talented members regaled the audiences during the Hearti-Fest 2010 with fascinating music. Our team also won the intercollegiate fest conducted by FISAT. Kudos to all our musical talents.

### Dance Club

The performance of the Dance club in the academic year 2009-10 was outstanding and exceptional. The members of the club brought laurels to the college in the MG University Youth Festival and other dance competitions our college team won first prize in the dance competition conducted by Rajagiri College in connection with the IT Festival. The members of the club put their heart and soul in making Hearti-Fest a feast for our hearts.

### Drama Club

The drama club of the college found renewed vigour this year with more organized efforts to hone the talents of the students. The college skit and mime teams participated in the university festival and was well-appreciated by the audience. The team won the hearts of the audience with its satire on contemporary social reality in Kerala in the Hearti-Fest.

### Speakers Forum

Former convenor, Prof. K.C. Abraham lit the lamp for the formal inauguration of the forum on 10th July. The former secretary of Speakers forum Nandini R. Nair was accorded felicitations on winning the 1st rank in BA Economics. Meetings were held once a week and several current topics were discussed. The 13th literary pentathlon Sargapadham 2009 was successfully conducted on 30th September and 1st October 2009. Sri. Vaisakhan, Dr. Rosy Thampi, Dr. A.G. Oleena spoke on the symposium topic 'Sthree Ezhuthumpol'. Assumption College, Changanassery bagged the ever-rolling trophy. The Inter departmental fest Hrudya Sarga Sangamam was jointly conducted by the forum with the college union and literary club members from 9th to 11th December. The department of English was declared the winners. 'Suaada' the 3rd edition of the



interdepartmental debate competition was held on 20th January 2010 on the topic 'Does 21st Century belong to India?' The department of Sociology emerged as the winners.

#### Hearti-Fest

Hearti-Fest 2010, the 18<sup>th</sup> annual cultural festival of the College was held on 16<sup>th</sup> January 2010. PTA Vice-President Mr. Antony P.D addressed the gathering. Staff secretary Dr. Sibi Zacharias delivered the vote of thanks. It turned out to be a treat for everyone.

#### Civil Service Study Circle (CSSC)

The Civil Service Study Circle provides guidance to students who are interested in a career in civil service. A library functions in the Economics Department wing for assisting students who appear for Civil Service Examination. Mr. T.K. Jose IAS inaugurated CSSC on 14<sup>th</sup> October 2009. On 19<sup>th</sup> September CSSC organised a logical reasoning class together with the Career Guidance Cell. On 14<sup>th</sup> October, CSSC together with the Career Guidance Cell organised a half day Career orientation class by renowned career guidance expert Sri. B. S. Warriar. In addition to usual training sessions twice every week, they were taken for tribal visits. Though it started only a year ago, the study circle is going very strong.

#### Primrose Nature Club

Primrose Nature Club organized and conducted many nature awareness and conservation programmes this year in collaboration with various organizations in the college. The activities of Primrose Nature Club started on 5<sup>th</sup> June, World Environment Day. The highlight of the day was planting saplings of different species in our college premises. On 18<sup>th</sup> July, 2009 the club conducted a seminar on Energy conservation. A classroom beautification contest was held for all the classes. In connection with Onam celebrations, a Floral Carpet competition was conducted. Winners were awarded cash prizes. The World Ozone Day and World Wildlife week were observed in the college. This year's activities were formally concluded in the valedictory meeting held on 15<sup>th</sup> February 2010. Dr. B S Corrie, Chief Conservator of Forest, Trivandrum was the chief guest. In association with

the college tourism club, the Nature Club conducted a grow-green campaign on 20<sup>th</sup> September, to create awareness about global warming, its harmful effects. The members of both clubs plant saplings at Irimpanam campus of Medical Trust Nursing College. The World Wildlife week was celebrated from 2<sup>nd</sup> to 8<sup>th</sup> October, 2009. During this week, the club members and Director participated in the state level activities organized by the Kerala Forest Department at Ernakulam. 30 club members attended a seminar on the topic Global Warming and Wildlife conservation in connection with the programme.

The club director Dr. V. J. Dominic and two members of the club participated in a leadership training programme at the training centre, Jwalagiri(BPCL-KR).

On 14<sup>th</sup> January 2010, the Club organised a seminar on the topic "climate change: do's and don't's". The main objective of the programme was to discuss the harmful effects of climate change. The classes were engaged by Dr. M.S. Francis, Reader, SH College, Thevara and Mr. Santhosh T.P., Manager, Brand Relation Organic BPS.

As a part of Oil and Gas conservation fortnight the club members took a pledge under the leadership of PNC secretary and club Director, Dr. V. J. Dominic of 20<sup>th</sup> January 2010. Fr. Joby Xavier addressed the gathering and explained the importance of conservation of non-renewable resources.

On 26<sup>th</sup> January, a one day nature study tour was conducted to Thommankuthu with the support of Kerala Forest Department. 33 members participated in the programme under the leadership of Dr. V. J. Dominic, Director, PNC. It was an adventurous and informative programme which included trekking, awareness classes about the place and its biodiversity. On 27<sup>th</sup> January 2010, a quiz competition was conducted in the Botany Lab of the college on the topic "Energy Conservation". Students of I DC Botany bagged first and second places.

#### Tourism Club

Tourism club of S.H. College Thevara endeavours to promote the interest of youth in Tourism, environmental protection and social welfare activities.

The club organized a seminar on 'Traffic issues in the Cochin city' on 16th July 2009. Tourism club together with the Physical Education Department organized Onam celebrations. They conducted a socio-economic survey at Vazhachal under the supervision of the Staff Coordinator and other teachers. Tourism club together with the Nature club of the college launched the Grow Green Project. The slogan of the project is to 'Plant Trees and fight Global warming'. A documentary on Global warming was shown in the college. On 20<sup>th</sup> November 2009 students from the club under the leadership of the Principal and staff members planted about two hundred trees in the Medical Trust Campus at Irumpanam. A total of more than one thousand trees were so far planted by students and staff members of the college under this project. Tourism club members visited cheruthony, Idukki Dam and conducted a trekking trip from Patham mile through the forests to the Catchment area, of the Idukki Dam.

#### Literary Club

The Literary Club managed by the Malayalam faculty started the activities for the year 2009-10 with the club's inauguration on 16<sup>th</sup> June 2009 by the famous journalist Ms. Leela Menon. The club organized a meeting to commemorate the life of Kamala Suraiya. The club was on the forefront in the organization of activities like Sargapadham and Hridya Sarga Sangamam.

#### Youth Red Cross Society

Youth Red Cross (YRC) of the college organized various programmes like blood identification programmes for all first year students. The Youth Red Cross and NSS of our college observed world elderly day on 1st October 2009, Posters and Photos of old age home visits of various clubs were exhibited. The society helps in blood donation to the people who approach.

#### DIET (College Canteen)

Despite the inflation in market price of commodities we have managed to provide hygiene and quality food at affordable price. We provide outdoor catering to meet the needs of various seminars and workshops conducted

in our college. The canteen provides free meals to a few of our deserving students. It also gives employment to 15 persons.

#### Campus Recruitment and Placement Cell

In spite of the global recessionary trends still affecting the corporate sector, the placement cell succeeded in bringing Google.com, Wipro technologies, ITC (Indian Tobacco Company), Corporation Bank, South Indian Bank, Aditya trading solutions Pvt. Ltd. SBL InfoTech and Radio-me (Dubai). In addition, OPI Global and Infosys technologies visited the campus in the last week of February 2010. At the instance of the placement cell, M/s Tam Kam Peng, Global Head of Learning partnerships, Chartered Institute of Management Accountants(CIMA) London, visited the college, held discussions for making our college CIMA's examination centre in Kerala. At the initiative of the placement cell, eighteen students from the college took part at the UK education exhibition 2009 as volunteers and seven students from various classes participated in a 3 day residential programme on leadership and personality development, organized by the Rotary club of Fort Kochi.

#### Student Counselling Centre

Student Counselling Services have been available during the academic year 2009-10. Mrs. Shirley Tharakan, consultant Psychologist also gave classes to the students on Thursdays.

#### Co-Operative Society

The College co-operative society completed 33 years of service. This year 45 students availed the benefit of "Vidyarthi Kshemanithi" a project to empower the economically weak students.

#### St. Vincent de Paul Society (SVDPS)

SVDPS collected Rs. 121390/- from the faculty members this year. The money collected was disbursed for 6 adopted families (Rs. 56250/-) and other 12 families (Rs. 26390/-). An amount of Rs.25750 was disbursed among 16 students as educational help. Medical help for 15 families were given (Rs.13000/-).

## 2. NEW ACADEMIC PROGRAMMES INITIATED (UG AND PG):

Applied for courses such as a) B. Com b) B. Sc Bio-technology and c) M. Sc. in Bio-technology to Mahatma Gandhi University for recognition and waiting for the approval.

## 3. INNOVATIONS IN CURRICULAR DESIGN AND TRANSACTION:

Some of the Departments have made a preliminary attempt for the e-Content development and associated web based learning. The following members of the faculty have made valuable contributions in the curriculum design and transaction at M.G. university and college level.

Sl No	Name of Faculty	Description of method	Year
Department of Aquaculture			
All Faculty		Field visit and factory training as part of curriculum	2009-10
Department of Botany			
Dr. V. J. Dominic		Attended and actively participated in the discussions related to the academic and administrative activities of the university in the Senate Meetings at M G University on 22.08.2009, 19.12.2009, 27.03.2010	2009 - 10
Dr. C. M. Joy		Introduced computer aided learning in the final degree classes, Class room communications made more interesting and lively using power point presentations and chart presentations.	2009-10
Department of Chemistry			
Dr. Joseph Moolayil T.		As a member of the board of studies UG formulated the curriculum, scheme and syllabus of various programmes in chemistry including open courses under choice based credit and semester system of Mahatma Gandhi University	2009-10
Department of sociology			
R K VARGHESE		Member, Board of Exams, B A	2009-10

Department of Computer Science

Faculty have involved in the revision of study material and syllabus.

Innovation in Teaching and Learning

Faculty all departments are using power point presentations and audio visual aids for the class room communications. Language lab facility and information system are being made use by various faculties under different departments.

#### 4. INTERDISCIPLINARY PROGRAMMES STARTED:

The following departments have conducted interdisciplinary programmes for the UG and P.G. students.

Sl No	Departments participated	Name of the course	Target group	Year
Department of Botany				
Dr. V J Dominic	Effectively conducted Add-on course on Plant Tissue culture, Sponsored by the UGC and approved by the M G University as the coordinator of the course.		Degree and P G Students	2009 - 10
Dr. M. S. Francis	Handled classes for Add-on course on Plant Tissue Culture		Degree students	2009-2010
Departments of Mathematics and Economics				
Faculty are involved in the Janaparvam extension programme and BMLP programme				

#### 5. EXAMINATION REFORMS IMPLEMENTED

Faculty members officiating as BoS, senate members and experts of MG University have participated in the CBCSS exam reform and PG practical exams.

Faculty of all departments have participated in the training classes and valuation camps organised by MG University in connection with CBCSS exam reforms and grading systems.

6. CANDIDATES QUALIFIED: NET/SLET/GATE ETC.  
THE TOTAL NUMBER OF STUDENTS QUALIFIED THE NET/ SLET/ GATE ETC

Sl. No	Name of student	Exam passed	Year
Department of Chemistry			
1	Ajith Mallaiah	NET	2010
2	Roshith K. R.	GATE	2010
3	Divya Susan Philip	JRF	2010
4	Aiswariya Prakash	JRF (CSIR) and GATE	2010
5	Saumya T.S.	"	"
6	Byju S.	"	"
7	Shenya Festus	"	"

7. INITIATIVE TOWARDS FACULTY DEVELOPMENT PROGRAMME:

The faculty were encouraged to take Ph. D through UGC's faculty improvement programme. Some of the faculty were taken Ph.D. on their own interest that is even without availing FIP.

Faculty doing PhD

Name of faculty	Name of the programme	Present status
Department of Chemistry		
Sri. K. B. Jose	Ph. D	Completed
Department of Economics		
Prof.Madhusoodanan Nair M S	Ph. D	Progressing
Prof.Sibi Abraham	Ph. D	Progressing
Prof. Alphons Ligori	Ph. D	Progressing
Department of Zoology		
Prof. Samson Davis Padayatty	Ph. D	Progressing
Prof. M. K. Raju	Ph. D	Progressing
Department of Botany		

Prof. Roy Zacharias	Ph. D	Progressing
Department of Mathematics		
Prof. Cyriac Antony	Ph. D	Progressing
Prof. M.P. Sebastian	Ph. D	Progressing

Seminars/refresher courses/workshops/Training programmes attended by the faculty (2009-2010)

Names	National/ International/ regional	Topic	Institution/ Place
Department of Aquaculture			
Dr. V.C George	India international aqua show 2010	Ornamental fishes	Government of Kerala, CUSAT, ICAR
Mr. N.S Sudheer	Indian Science congress	General Science	Kerala University and ISRO
Department of Botany			
Dr. George Joseph		Equity and Excellence in higher education	Kottayam
Dr. V.J. Dominic	Regional	Attended and presented a paper in the Ethnobotany, Practices on Medicinal Plants, seminar	St Teresas College Ernakulam
Mr. Roy Zacharias	National	Tissue culture banana cultivation	Kochi
Dr. C. M. Joy	National	Training for office administration	Parsam Institute of Statutory Rules, Bangalore
	National	Training on Quality	Amarita Vishwa



		improvement in Higher Education	vidyapeetham, Coimbatore
Department of Zoology			
Prof. Samson Davis Padayatty	Regional	Training on Introduction scanning electron microscope	STIC Cochin University of Science and Technology
Prof. Samson Davis Padayatty, Dr. Philip Mathew and Dr. John Joseph	Regional	Intercollegiate workshop on revised BSc Zoology practicals	MG University
Department of Chemistry			
Dr. Thommachan Xavier	National	One day orientation programme for college teachers.	Board of Higher Education in India
K.B Jose	K.V. Thomas Endowment National Seminar	Modern trends in chemistry	S.H. College, Thevara
Dr. Thommachan Xavier	K.V. Thomas Endowment National Seminar	Modern trends in chemistry	S.H. College, Thevara
Dr.V.S Sebastian	K.V. Thomas Endowment National Seminar	Modern trends in chemistry	S.H. College, Thevara
Dr. Joseph T. Moolayil	K.V. Thomas Endowment National Seminar	Modern trends in chemistry	S.H. College, Thevara
Department of Economics			
Dr. Sibi Zacharias	National	Human rights theory and practice	S.B College, Changanacherry

Dr. Sibi Zacharias	International	Rajiv Gandhi's Disarmament initiatives: Global and south Asian Contexts	Centre for South Asian Studies, Pondicherry University
Dr. K.V. Raju	National	Environmental Challenges in India	S H College
Dr. K.V. Raju	International	Indo-Japanese Socio-economic Dynamics	S H College
Dr. Sibi Zacharias	National	Environmental Challenges in India	S H College
Dr. Sibi Zacharias	International	Indo-Japanese Socio-economic Dynamics	S H College
Dr. V.T. Jose	National Seminar	Environmental Challenges in India	S H College
Dr. V.T. Jose	International	Indo-Japanese Socio-economic Dynamics	S H College
Dr. P.E. Cherian	International	Indo-Japanese Socio-economic Dynamics	S H College
Prof. Alphons Ligori	National	Environmental Challenges in India	S H College
Prof. Alphons Ligori	International	Indo-Japanese Socio-economic Dynamics	S H College
Prof. Madhusoodanan Nair M S	National Seminar	Environmental Challenges in India	S H College
Prof. Madhusoodanan Nair M S	International	Indo-Japanese Socio-economic Dynamics	S H College
Ms.	National	Environmental	S H College

Rajalakshmi R	Seminar	Challenges in India	
Ms. Rajalakshmi R	International	Indo-Japanese Socio-economic Dynamics	S H College
Prof. Sibi Abraham	National	Environmental Challenges in India	S H College
Prof. Sibi Abraham	International	Indo-Japanese Socio-economic Dynamics	S H College
Dr. P.E. Cherian	National	Environmental Challenges in India	S H College
Department of Mathematics			
Cyriac Antony	National	Free Software Mathematics Applied Statistics Recent trends in Statistics	Nirmala College Muvattupuzha
Paul. W.T.	National	Graph Theory	St. Teresa's College, Ernakulam
Paul. W.T.	National	Mathematics for Computer Science	Bharata Mata College, Thrikkakkara
Paul. W.T.	Regional	Matrix analytic methods	St. Peters College, Kolanchery
Mr. Joy Mathew, Mr. Cyriac Antony and Jose P. Jose	Regional	Training on CBCSS	M.G. University
All Faculty attended	Regional	Model question paper setting	SH College
Department of Sociology			
Sibi.K.I		Refresher Course	M.G University
Sibi.K.I		Semester system-One	M.G University

		day	
Mr. Benny Varghese	Regional	Sustainable development	Morning star college, Angamali
Department of Physics			
Dr. Georgekutty Joseph	International	Nano technology	SH College, Thevara
	International	17 <sup>th</sup> American conference on Crystal growth and epitaxy.	USA
Dr. Palson T.I.	International	Nano technology	SH College, Thevara
Prof. Varadarajan	International	Nanotechnology	SH College, Thevara
Prof. George Philip	"	"	"
Prof. Jolly Lukose	"	"	"
Prof. K.M. George	"	"	"
Prof. Siby Mathew	"	"	"
Prof. Alex Shinu Scaria	"	"	"
Department of Computer Science			
All faculty attended	Regional	CBCSS awareness	MG University, Kottayam
Ms. Regitha Baiju	Regional	Java and J2EE	NIIT, Kochi
All faculty attended	Regional	Digital Library using Linux	Sacred Heart College, Thevara
Ms. Prima Maxi	National	Quality Evaluation in Higher	St. Thomas. Pala

		Education by the NAAC	
Ms. Regitha Baiju and Ms Prima Maxi	National	Nanotechnology –Indo-Japanies	SH College, Thevara
All faculty	Regional	Resource person to IGNOU theory classes	SH College, Thvara

College management have encouraged the faculty members to attend seminars, workshops, refresher courses, orientations programmes organised by UGC academic staff colleges, research institutions, industries at international, national and local levels. Many of the faculty have already availed these facilities to sharpen their knowledge and expertise horizons.

All faculty members are actively participating in the monthly staff meetings. Many faculty are invited to conduct talks, to chair the sessions of seminars, workshops etc of different institutions and academic bodies.

#### RENEWAL PROGRAMME FOR THE TEACHING STAFF

The renewal programme for the teaching staff was conducted this year also. The group discussions were fruitful.

#### 8. TOTAL NUMBER OF SEMINARS/WORKSHOPS CONDUCTED

Various departments of the college have organised seminars, workshops and invited talks

Sl. No	Topic	Target group	National/ International/ Regional	Year
Department of Zoology				
1	Animal Science Congress – Inter Collegiate M.Sc. Zoology project presentation Competition, Jointly organized by The Department of Zoology and The Zoological	Post Graduate students of Zoology from various colleges under M.G. University	Regional	2010

	Society of Kerala			
2	New trends in Medical Treatments – Talk by Dr. George Mothi Justin, Consultant Pulmonologist, Medical Trust Hospital, Kochi	Graduate and Post Graduate students of Zoology	Regional	2010
3	Two Day Hands on Training in Biotechnology	M.Sc. Students	Regional	2010
Department of Chemistry				
4	Modern Trends in Chemistry	Post Graduate students, Research scholars and teachers.	National	Mar-10
Department of Economics				
5	Union Budget Analysis	Post Graduate and Degree students of Economics and Commerce	Regional	August 2009
6	Environmental Challenges in India	Faculty and postgraduate Students of various colleges of Kerala	National- Fr. Zacharias Payikkat Endowment- Regional	February 4 2010
7	Indo-Japanese Socio-Economic Dynamics	Faculty and postgraduate Students of various colleges of Kerala	International	February 24 2010

#### Seminars and Lectures conducted by other departments

##### English

- (1) Rev. Fr. George Koyikara Endowment Lecture on Media Studies.
- (2) Rev. Dr. Daniel Thottakkara Memorial Lecture for college students.
- (3) A media seminar in association with M.O.P. Vaishnav College, Chennai.

## Mathematics

Fr. John Therezhath endowment annual lecture in Mathematics

## Chemistry

1. Prof. P.E. Aravindaksha Kartha Endowment Lecture.
2. Prof.V.A. Joseph Endowment Lecture.
3. Prof. P.J. Joseph Endowment All Kerala Inter-Collegiate Quiz Competition.
4. Prof. K.V. Thomas Endowment National Seminar.
5. Prof. K.J. Thomas Jacob Endowment Lecture.
6. Prof. Varghese Paul Endowment Lecture.
7. Rev. Dr. (Sr.) Aleyamma Zacharia Endowment inter-collegiate project presentation award in PG Chemistry.

## Zoology

Fr. Austian Mulerikal endowment lecture

## 9. RESEARCH PROJECTS – THE ONGOING PROJECTS

Sl No	Faculty undertaken the project	Topic	Funding agency	Period	Amount	Present status
Department of Botany						
1	Dr. V J Dominic	Minor Research Project Project Title : Bioprospecting into an endemic threatened genus of Kerala; <i>Anaphyllum beddomei</i> Engl. And <i>Anaphyllum wightii</i> Schott.	UGC	18 months	80000	ongoing
2	Dr. Joy P. Joseph	Invivo and invitro production of camptothecin from	UGC	2008 - 11	7,14,300/	ongoing

		ophiorhiza species				
Department of Chemistry						
3	Thommachan Xavier	Synthesis and characterisation of reprocessible magnesium ionomers based on natural rubber, an alternative to vulcanised rubber.	University Grants Commission	2008-2010	55000/-	completed
Department of Economics						
4	Dr.Sibi Zacharias	Tribes and Human Rights Violations-A case study of the Primitive Forest Dwelling Tribes of Kerala	UGC, Major Project	2009-11	Rs.591200	Progressing
5	Dr.P.E.Cherian	An Economic Analysis of Food Processing Industries in Kerala	UGC, Minor Project	2009-11	Rs.90000	Progressing
Department of Zoology						
6	Dr. Philip Mathew	Two student projects	KSCSTE Thiruvananthapuram			2010 Completed
7	Dr. P.A. Sebastian	One student project	KSCSTE Thiruvananthapuram			2010 Completed

#### 10. PATENTS GENERATED, IF ANY

Research is going on in different departments; results may fetch patents in future.

Dr. M S Francis of the department of Botany have applied for the patent – 'A method for producing Nyctanthes arbour-tristis dye and its applications'



## 11. NEW COLLABORATIVE RESEARCH PROGRAMMES

Sl No	Name of faculty	Agency/University/NGO/Institution/R&D Centre	Year
Department of Botany			
1	Dr. C.M. Joy	Conducted research in collaboration with the Association for environmental protection, Aluva	2006-10
Department of Chemistry			
2	M. George	Mass spectrometry centre, Washington University in St. Louis, USA. Provided financial support and instrumental facility for conducting mass spectrometric experiments, and support for doing molecular orbital calculations to establish fragmentation mechanisms. The support for recording ESI mass spectra was provided by the collaboration with National Centre for Mass Spectrometry, IICT Hyderabad. Two research articles were published in international journals as a result of these collaborations.	2009-10
Department of Economics			
3	Dr.Sibi Zacharias(Co-ordinator)	Indo-Japanese Cultural Exchange Programme (Students of Nihon Fukushi University)	2010

Tie-up with license of Microsoft Software has been entered into by the Computer Science Department of the college.

### Collaborative and Research Programmes of the Zoology Department

1. Dr. P. A. Sebastian and Prof. Aparna Dutta Gupta, School of Life Sciences University, Hyderabad - As first phase of collaboration one of the Ph.D. students of Prof. Gupta was trained in the field of Arachnology in the research lab of Dr. P.A. Sebastian.
2. Dr. P.A. Sebastian has entered in to collaborative research work with Dr. Norman I. Platnick, Division of Invertebrate Zoology, American Museum of Natural History NewYork, on 'Oonopid Spider'.
3. Research activities of the Zoology Department were in the limelight this year. Prof. Samson Davis Padayatty (HoD of Zoology), Mr Sunil Jose, Mr. Sudhikumar and Mr E. Sunish Research scholars under Dr. P.A. Sebastian participated and presented papers at the '23<sup>rd</sup> European cell

of Arachnology' held at Sitges, Spain Mr. Sudhikumar has been selected to a two year training programme in 'Molecular Taxonomy' in Ghent University, Belgium and has joined there. The faculty members are actively engaged in research and have published a lot of research articles.

4. Dr. P.A. Sebastian has collaboration with the Kerala Agricultural University, Thrissur in connection with his projects

12. RESEARCH GRANTS RECEIVED FROM VARIOUS AGENCIES: Departments such as Economics, Botany, Chemistry and Zoology have received research grants from Kerala State Council for Science, Technology and Environment, UGC, etc. Botany department has been awarded FIST financial assistance of Rs. 27 lakhs out of 35 lakhs from Department of Science and Technology, Govt of India for the improvement of laboratory facilities.

Agency	Research Department	Year
Department of Botany		
DST FIST	27LAKHS OUT OF 35 LAKHS	2009 – 10
Department of Economics		
UGC	PG Assistance (Rs.450000)	2007-12

13. DETAILS OF RESEARCH SCHOLARS:

Number of PhDs produced by the research guides of SH College during 2009-10'

Economics	Botany	Zoology	Chemistry
2	1	1	1

LIST OF THE GUIDES AND DETAILS OF THE RESEARCH SCHOLARS.

Sl. No	Name of scholar registered	Guide	Year of registration	Topic	Present status
Botany					
1	Roy Zacharias	Dr. C.M. Joy	2007	Algal biodiversity in rivers in Kerala	Part-time
2	Ginu joseph	Joy. P. Joseph	2007	Invivo and invitro production of camptothecin from	Fulltime

				Ophiorhiza species	
3	Jose John	Dr.M.S. Francis	2006		Part-time
4	Philo.T.J	Dr.M.S. Francis	2006		Under adjudication
5	Jayakrishnan . G	Dr.M.S. Francis	2006		Part time
6	Ravikumar	Dr.M.S. Francis	2006		Part time
Department of Economics					
7	Ancy V P	Dr.K.V. Raju	2005	Marine Fishing in Kerala	Progressing
8	RajeshKumar S	Dr.K.V. Raju	2008	Dynamics of Life Insurance Business in Kerala	Progressing
9	Martin K J	Dr.K.V.Raju	2008	Analysis of the School Dropouts in Kerala	Progressing
10	Sabulayan P	Dr.K.V.Raju	2008	Rural Urban Differences in Educational Expenditure in Kerala	Progressing
11	Thadevoos K G	Dr.K.V.Raju	2009	Economics of Tourism Industry in Alleppey District	Progressing
12	Madhusoodanan Nair M S	Dr.K.V.Raju	2009	Agricultural Indebtedness in Kerala	Progressing
13	Sibi Abraham	Dr.K.V.Raju	2009	Interrelationship between Asset prices	Progressing

				and Bullion	
14	Agile Joy	Dr.K.V.Raju	2008	Economic Analysis of Paddy Cultivation in the Pokkali fields of Kerala	Progressing
15	Mrs.Vandana Aravindan	Dr.V.T.Jose	2009	Significance of wet lands in sustainable development	Progressing
16	Ms.Parvathy	Dr.V.T.Jose	2009	Financial liberalization and rural indebtedness	Progressing
17	Mrs.Sreelakshmi R	Dr.V.T.Jose	2009	Performance of I T industry in Kerala	Progressing
18	Mr.Ibrahim	Dr.Radhakrishnan	2010	Developmental Issues in Malappuram Dt	Progressing
Department of Chemistry					
19	Mr. Justin Paulose	Dr. M. George	2009	Mass spectrometry	Progressing
Department of Zoology					
20	Mr. Nandakumar N.	Dr. Philip Mathew	2009	Hydrobiology of coastal waters and fishery resources	Progressing
21	Mr. Sunish E.	Dr. P.A. Sebastian	2005		Progressing
22	Lakshmi K.	Dr. P.A. Sebastian	2007		Progressing
23	Navomi	Dr. John Joseph	2000		Progressing

24	Rekha Parthasarathi	Dr. John Joseph	2004		Progressing
25	Manju Subramaniam	Dr. T.J. James	2007		Progressing

Details of the recognized research guides of the college  
Economics (Department recognized as research centre in 1994)

1. Dr. K.V. Raju HoD
2. Dr. N. Ajithkumar, Cochin College, Kochi
3. Dr. Jose T. Payappily, Former Director, SMS CUSAT & Dean SCMS
4. Dr. K.A. Stephenson, Christ College, Irinjalakkuda
5. Dr. E.M. Thomas, Christ College, Irinjalakkuda
6. Dr. V.T. Jose, S.H. College, Thevara
7. Dr. K. Radhakrishnan, Guruvayoorappan College, Kozhikodu.

Commerce (1998)

1. Dr. K.X. Joseph HoD
2. Dr. Thomas John, Controller of Exams, Mahatma Gandhi University
3. Dr. Stanly Chazhour, S.H. College, Thevara

Botany (1988)

1. Dr. V.J. Dominic, HoD
2. Dr. M.S. Francis
3. Dr. Joy P. Joseph
4. Dr. C.M. Joy

Zoology (1998)

1. Dr. P.A. Sebastian
2. Dr. Philip Mathew
3. Dr. John Joseph
4. Dr. P.C. Sebastian
5. Dr. T.J. James
6. Dr. N.D. Inasu, Christ College, Irinjalakkuda
7. Dr. John Thomas, Christ College, Irinjalakkuda
8. Dr. Thomas Philip, U.C. College, Aluva
9. Dr. Sreelatha A. D.B. College, Thaloyalaparambu.
10. Dr. Sr. Karmali, St. Xavier's College, Aluva

Physics (1998)

1. Rev. Dr. George Peter
2. Dr. Palson T.I.

Chemistry (1998)

1. Rev. Sr. (Dr.) Eliamma Zacaria
2. Dr. M. George
3. Dr. Thommachan Xavier

14. CITATION INDEX OF FACULTY MEMBERS AND IMPACT FACTOR:  
Citation index of publications of the faculty during the year 2009-10 is given below: -

SI No	Name of faculty	Journal	Year	Impact factor
Department of Aquaculture				
1	Dr. Prabhakaran	Continental shelf research	2010	2.183
2	Dr. Prabhakaran	Journal of the marine Biological Association of the UK	2010	
3	Mr. N.S Sudheer	Immunobiology	2010	3.586
Department of Physics				
4	Dr. Georgekutty Joseph	Cryst. Res. Technology	2010	0.896
5	Dr. Georgekutty Joseph	Indian Journal of Physics	2010	0.175
6	Siby Mathew et al.	Canadian Journal of Applied Physics	2010	0.864
7	Siby Mathew	Physica	2010	1.056
Department of Chemistry				
8	Dr. M. George	E- Journal of Chemistry	2010	2.8

Dr. C. M. Joy (ISI Journal citation report- Science citation index Thomas Reuter)

Bulletin of Environmental Contamination and Toxicology	0.609
Water Research	3.580
Water, Air and Soil Pollution	1.398
Journal of Food Science and Technology	1.489
Journal of Plantation Crops	0.963
Journal of Medicinal and Aromatic Plant Sciences	0.903

Publications of the Faculty (2009-10)

Name of faculty	Title	Book/ Journal etc.	Publisher & Place
Department of Aquaculture			
Dr. Prabhakaran	Seasonal variations and tropic ecology of Microzooplankton in south eastern Arabian Sea	Continental shelf research	Elsevier
Dr. Prabhakaran	A first time analysis of the community structure of Ichthyofaunal community structure of Minicoy, Atoll	Journal of the marine Biological Association of the UK	Cambridge University Press
Dr. Prabhakaran	Myctophid and pelagic shrimp assemblages in the oxygen minimum zone of the Andaman sea during the winter monsoon	International journal of Ocean and Oceanography	Research India publications
Mr. N.S Sudheer	Molecular characterization of a crustin like antimicrobial peptide in the giant tiger shrimp penaeus monodon and its expression profile in response to various immunostimulants and challenge with WSSV	Immunobiology	Elsevier

Department of Botany			
Dr. V J Dominic	Panacea For Xi Botany	Book	Inspire India Publications , Kochi
Dr. V J Dominic	Campus Flora, Sacred Heart College, Thevara	Book	S H College Thevara
Dr. M.S. Francis	Wetland Algal resources of Western Ghats	Proceedings	Nesamani Memmorial College, Marthandam
	A method for producing <i>Nyctanthes 45audat-tristis</i> dye and its applications	Filing No.2426/CHE/2009	
Dr. C.M. JOY and K.P. JOSE	Solar tunnel drying of Turmeric for quality improvement	Online Journal Food processing and preservation	Wiley periodicals Inc
Dr. C.M. JOY	People's Biodiversity register preparation in Ernakulam District- the Ernakulam Experience	Compendium of selected papers	Kerala State Land Use Board, Thrissur
Joy P. Joseph( Co-author)	Untransformed root cultures of <i>Solanum trilobatum</i> and <i>S.wendlandii</i> -promising sources of solasodine	Applied Biological research	Divans enterprise
	Invitro organogenesis and somatic emryogenesis in <i>Adenia Hondala</i> , (Gaertn.) de Wilde ,an endangered plant of Western Ghats	International journal of Biotechnology and Biochemistry	online ISSN- 0974-4762



	Rediscovery of Ophiorhiza caudata from western Ghats	Reedia	Association of Plant Taxonomists
Joy P. Joseph (Co-author)	Conservation of Ophiorhiza caudata (Rubiaceae, a valuable medicinal plant recently rediscovered from western Ghats)	Proceedings of international symposium – Green Path sustenance and challenges	general convenor, International symposium, Assumption college Changaacherry
Dr. George Joseph	Various editors	Dailies of Deepika, Mathrubhumi, Mangalam etc.	Various editors
Mr. Jacob Varghese	Poonthottam	Karshakashree Magazine	Malyala Manorama
	Karshikarangam	Malayalam Daily	Malyala Manorama
Department of Physics			
Dr. Siby Mathew	Local Symmetry and Z-scan analysis of ZnSe/Eu <sup>3+</sup> doped solgel silica hosts	Canadian Journal of applied Physics (88)	International
	Effect of dilber nanoparticles on the dielectric properties of holmium doped silica glass	Physica B 405, 1513	International
Department of Chemistry			
Dr. Joseph John	Metal chelates of 1,7 diindolyl – 1,6 heptadiene-3,5 dione	Indian Chem.Soc.	National
	Fluorescence Behaviour of 1, 7 diindolyl 1, 6 heptadiene-3, 5 dione, synthetic analogue or natural	Proceedings of international conference on “fluorescence in Biology” organised by TIFR Mumbai	National

	curcuminoids		
	Synthesis and characterisation of Iodinated styrene butadiene rubber, using phase transfer catalyst.	Proceedings of National seminar organised by Dept. Of chemistry S.H. College, Thevara.	Regional
	Synthesis and characterisation of Iodinated nitrile butadiene rubber, using phase transfer catalyst.	Proceedings of National seminar organised by Dept. Of chemistry S.H. College, Thevara.	Regional
Dr. M. George	1. Gas-Phase Nazarov Cyclization of Protonated 2-Methoxy and 2-Hydroxychalcone: An Example of Intramolecular Proton-Transport Catalysis.  Impact factor - 3.3  2. 2-Nitrophenyl aryl sulfides undergo both intramolecular and electrospray-induced intermolecular oxidation of sulfur: An experimental and theoretical case study.  Impact factor -2.3	Journal of the American Society for Mass spectrometry 2009, vol.20, pp.805-818.  International Journal of Mass Spectrometry, 2009, vol.283, pp.222–228.	International  International
Dr. Joseph T. Moolayil	2-Nitrophenyl aryl sulfides undergo both intramolecular and electrospray-induced intermolecular oxidation of sulfur: An experimental and theoretical case	International Journal of Mass Spectrometry, 2009, vol.283, pp.222–228.	International

	study. Impact factor -2.3		
Dr. V.S. Sebastian	Gas-Phase Nazarov Cyclization of Protonated 2-Methoxy and 2-Hydroxychalcone: An Example of Intramolecular Proton-Transport Catalysis.  Impact factor - 3.3	Journal of the American Society for Mass spectrometry 2009, vol.20, pp.805-818.	International
Department of Mathematics			
Mr. M.P. Sebastian	Text book on Plus one and Plus two Mathematics(NCER T syllabus)	Excel publishers, Trissur, Kerala	Regional

#### 15. HONORS/AWARDS TO THE FACULTY:

Faculty invited for talks/ research paper presentation/ resources person

Name of faculty	Programme	Institute/place
Department of Aquaculture		
Dr. V.C George	Member of the committee for design and construction of multy purpose research vessel	CMFRI
Department of Botany		
Dr. V J Dominic	Conducted a seminar on Conservation of Biodiversity for the members of Nature Club Members	
Dr. V J Dominic	Presented a paper in the seminar on Ethnobotany, Practices on Medicinal Plants	Department of Botany, St Teresas College Ernakulam
Dr. V J Dominic	Delivered a lecture on Environment Protection at Govt. HHS Aluva	Govt. HHS Aluva

Dr. V J Dominic	Training Programme for teacher coordinators of Encon Clubs	Kochi Refineries Ltd, Ambalamughal
	Chairman - M Sc Biotechnology Question Papers Setters Meeting,	Kerala University Trivandrum
Mr. Jacob Varghese	Floriculture	Dept. Of Agriculure, Govt.of Kerala, State Horticulture Mission, Krishi Vigyan Kendra, Govt. Of India
Dr. M S Francis	Consultant for Medicinal Plant Identification Amritha Institute of Medical Sciences	
Dr. Joy P. Joseph	Resource person one day workshop on Instrumentation	M A College, Kothamangalam
Dr. C.M. JOY	Various Environmental issues	AIR, TV, Educational institutions in Kerala
Dr. George Joseph	Member P G Board of studies	Mahatma Gandhi University
Dr.M.S.Francis	Associated with the U G curriculum restructuring, Member U G Board of studies MG University	Mahatma Gandhi University
Department of Zoology		
Dr. P. A. Sebastian	Paper presentation and chaired a session	17 <sup>th</sup> – International Congress of Arachnology – Poland
Prof. Samson Davis Padayatty	Present status of Darwinism	Cochin College, Kochi
Department of chemistry		
Dr. Joseph T. Moolayil	Resource person for seminar for UG students	St. Stephan's College Uzhavoor
Dr.V.S Sebastian	Endowment Lecture	SNM College, Maliankara
Dr. Joseph T.	Orientation Programme for College	Mahatma Gandhi

Moolayil	Teachers	University
	Orientation Programme for BSc semester I students	Newman College Thodupuzha
	Orientation Programme for BSc semester I students	SSV College Perumbhavor
	Orientation Programme for BSc semester I students	St. Joseph's college Moolamatam
Dr. Joseph John	Life member	CRSI – Chemical Researcher's Society of India
	Coordinator	National Seminar Nov 26,27, 2008
	Coordinator	Add on course food processing and preservation
Department of Economics		
Dr. Sibi Zacharias	Question paper setter MA Programme	Pondicherry university
Dr. K.V. Raju	Question paper setter MA & M.Phil Programme	Cochin University of Science & Technology
Department of Physics		
Dr. Sibi Mathew	Resource person to National seminar on active/smart materials	St. Pauls's College Kalamassery
	Resource person to one day workshop for B.Sc physics	Aquinas college, Ernakulam
	Resource person to one day workshop for B.Sc physics	Maharaja's College, Ernakulam
	Resource person to the seminar on Nanocrystallites in sol-gel silica glasses	T.K. Madhavas memorial college Nangiarkulangara, Alapuzha
	Resource person to national seminar on Quantum Confined Systems and Nanoscale Devices	St. Thomas College, Pala
	Resource person to National Seminar on Nano sturctured materials and nano photonics,	St.Theresas College, Ernakulam

	Resource person to International Symposium on Nanotechnology	Sacred Heart College, Thevara
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Our faculty members were invited for talks and as resource persons to various universities, and research institutions as a sign of recognition.

#### 16. INTERNAL RESOURCES GENERATED During 2009-10

Department	Aim of the fund generated	Amount
English	Scholarship	Rs. 1600
Oriental Language	"	Rs. 200
Economics	"	Rs. 3850
Sociology	"	Rs. 2100
Commerce	"	Rs. 2100
Mathematics	"	Rs. 900
Physics	"	Rs. 4000
Chemistry	"	Rs. 3650
Botany	"	Rs. 2650
Zoology	"	Rs. 2100

#### 17. DETAILS OF DEPARTMENTS GETTING SAP/ COSIST (ASSIST)/DST.FIST ETC

SI No	Agency	Amount	Period	Name of assistance
Departments				
Botany	DST	27 Lakhs	2008 – 2010	FIST
Chemistry	DST	28 Lakhs	2008-2010	FIST

#### 18. COMMUNITY SERVICES:

Name	Name of programme	Target group	Services made	Year
Department of Aquaculture				
	Survey on present status of ornamental trade in Kerala	Ornamental fish farmers	Survey	2010
	Socio economic evaluation of the new Fresh fish Express by	Women fish workers	Survey	2010

All faculty	Matsyaed, Government of Kerala for women fish workers of coastal areas of Central Kerala			
	Evaluation of faecal contamination in the water and sediments of a fresh water pond in Vaikom	Fish farmers	Water quality analysis	2010
Department of Botany				
Prof. Roy Zacharias	Jointly organised flower shows, Mango show and seminars on various themes,	General public	Awareness regarding the mentioned themes	2007,08, 09&2010.
	I M A Blood donation by prof. Roy Zacharias	General Public	Patients requiring blood were supplied with A+ve	2009-10
	City action force	General public	Accident victims are served for immediate medical care.	2006-2010
Prof. Jacob Varghese	Resource person recognised by State Agricultrual Dept. for floriculture training programmes for farmers	Farmers of dif. Districts of kerala state	Training classes	2006-10
Dr. C.M. Joy	Resource person to training programmes, seminars, awareness programmes in environmental sciences	General public, news paper and visual media	Environmental awareness programmes	2009-10
Department of Economics				
Dr. V.T. Jose	Janaparvam	High School Students of Mangai	Classes in various subjects, lab	2006 onwards

		Government High School, Maradu	training in the various departments in the college	
Dr. Siby Zacharias	Scheduled Tribe Empowerment Programme(STEP)	Tribal Communities	Students visit tribal settlements and interact with tribes and supply them with food, dress and study materials	2004-10
Department of Computer Science				
	Computer literacy programme	Non teaching staff, SH College, Thevara	Training programme on various aspects of computer uses	2010
Department of Mathematics				
	Sample survey and analysis	Forum of students	Survey training	2010

19. TEACHERS AND OFFICERS NEWLY RECRUITED:

NO. OF GUEST FACULTY NEWLY RECRUITED TO THE DEPARTMENTS

Sl. No	Departments	Guest faculty
1	English	5
2	Economics	3
3	Commerce	3
4	Mathematics	5
5	Physics	3
6	Chemistry	5
7	Botany	1
8	Zoology	1
9	Physical Education	1
10	B.Com. Computer Application	3
11	Computer Science	1
12	Aquaculture	9



20. TEACHING - NON TEACHING STAFF RATIO - 3:2

## 21. IMPROVEMENTS IN LIBRARY SERVICES

### College Library

The general library of the college has a collection of over 76,432 books and it subscribes to 73 journals. During the current year 432 numbers of books were newly purchased (Rs.144850). Rs. 52702 were spent for the subscription for periodicals and journals. Old books were disposed with the permission of Director, Collegiate Education and back issues of science journals were sent to press for binding. In addition to the general library, there are departmental libraries for Economics, English, Botany and Zoology. The general library has a spacious reference section with a seating capacity of around 120, and has a collection of over 10,000 books for reference. Computerization of the library has helped the issue of books more easy.

### Internet Access

Accessing the Internet for learning purposes is encouraged and is often a part of exercises and assignments given to the students. The college offers internet access to the students at PG class rooms and the computer Centre.

### Audio- Visual Centre

Audio -Visual Equipments - LCD TVs, MP3/ DVD players, HD video camera, LCD Projectors, educational CD/ DVDs are provided for the students and staff to conduct classes, discussions, Tele conferencing etc. The digital recording facility is in place to enable the students to record, analyse and perfect their skills in group discussions.

### Connectivity

College office, Departments, Library, Chavara IT centre and P.G. Classes rooms are linked through wired and Wi-Fi methods. This facilitates digital learning, internet access, online classes, interactive sessions etc. The college is an associate member of the UGC's INFLIBNET and DELNET.

## 22. NEW BOOKS/JOURNALS SUBSCRIBED AND THEIR VALUES

New Books/ journals subscribed and their values

Sl. No	Name of Book /Journal	Author/ Publisher	Value	year
Department of Aquaculture				
	Fish physiology Vol. IX	E. M. Donaldson,W. S. Hoar, D. J. Ramdale		2010
	Gillnets in marine fisheries of India	CIFT	100	2010
	Biophysics and Biophysical Chemistry	Debajyothi Das	175	2010
	Nutrients and bioactive substances in aquatic organisms	Society of Fisheries Technologists		2010
	Breeding, farming and management of ornamental fishes	Dr. A. Ramachandran	295	2010
	Fish physiology Vol. III	W.S. Hoar, D.J. Randal & J.R.Brelt		2010
	Biophysical Chemistry-Principles and Techniques	Upadhyay and Nath	260	2010
	Textbook of fish diseases	D.A. Conroy & R.L. Herman		2010
	Fish Pathology	Ronald. J. Roberts		2010
	Finfish Nutrition and Fish feed technology Vol. II	John. E. Halver & Klaus Tiews		2010
	A Manual on shrimp farming	MPEDA	100	2010
	Prevention and Control of Fish and Prawn Diseases	Dr. K.P. Biswas		2010
	Principles and Practices of Aquaculture	T.V.R. Pillay & M.N. Kutty	1000	2010
Department of Botany				
	Books & Journals	Different Authors	Rs. 50,000/-	2009 -10

## 23. COURSES IN WHICH STUDENT ASSESSMENT OF TEACHERS IS INTRODUCED AND THE ACTION TAKEN ON STUDENT FEEDBACK:

Feedback received from both the UG and PG Classes. Student requests and suggestions were incorporated in the academic and infrastructural activities of the college. Faculty and the Management have given utmost importance to the feed backs received from the students and appropriate action has been taken. Some of the faculty are conducting GD and personality development programmes to P.G. and U.G Students. All faculty assessed the student feedback received and necessary changes have been made in the teaching learning process. Few specific cases are given below.

## Student assessment and action taken

Name of the faculty	Feed back	Action taken	Year
Dr. V J Dominic	Feed Back Collected from all P G & U G students	Remedial Classes were taken and extra coaching was given taking help from passed out PG Students of the department.	2006-10
Dr. George Joseph	Yearly collection of feed backs from the taught.	Remedial measures of instruction for the below average students in various classes	2006-10
Mr. Jacob Varghese	Yearly collection of feed backs from the taught.	Additional model examinations for BSc Main Subsidiary students	2006-10
Dr. M S Francis	Feedback obtained	Remedial measures of instruction for the below average students in various classes	2006-2010
Dr. Joy P. Joseph	Two model Exams for practical before university Exam	Conducted an additional model exam for B. Sc final	2006-10
Mr. Roy Zacharias	Model theory & practical exam before university exam	Additional classes for the low achievers.	2006-10
Dr. C.M. JOY	Speed in lecture class, completion of syllabus early before the commencement of examinations	Speed reduced, Started zero hour classes	2006-2010

### 24. UNIT COST OF EDUCATION

The unit cost of education including and excluding the salary component are Rs. 24503/- and Rs. 6180/- respectively.

### 25. COMPUTERIZATION OF ADMINISTRATION AND THE PROCESS OF ADMISSIONS AND EXAMINATION RESULTS, ISSUE OF CERTIFICATES:

College office administration such as admissions, examination results, salary bill etc is fully computerized.

## 26. INCREASE IN THE INFRASTRUCTURAL FACILITIES

Improvements in infrastructural facilities like laboratory up-gradation and departmental renovations, Zoology and Botany museum renovations, addition of new equipments, audio-visual facilities, internet facilities, additional library books, teaching and learning materials etc were added to all the departments. Interior roof work was done in the student centre during this year. T V and video facilities were added to the Economics department.

### Hostel

The college provides residential accommodations for P.G. students with single occupancy rooms, adjacent to the college building and under the supervision of the college management.

### Co-operative Society

The Co-operative society functioning in the college has all the staff and students as its members. The store run by the society for the benefit of the college community supplies books and stationery at subsidised rates.

### “Shape” fitness Centre

A complete fitness concept that blends body workouts, recreation and healthy camara derie. It aims the all-round development intellectual, psychological, social, spiritual and physical fitness of young men and women under its care and regimen.

### ‘Diet’ - Canteen

The college has a canteen [Diet] facility for students, teachers, and staff which is run by Staff Welfare Association. The canteen is open from 6.30 am to 9.00pm

## 27. TECHNOLOGY UP-GRADATION

The following facilities are added to the Departmets

Item	Useful to which class
Department of Aquaculture	
Computer and internet facility	

Trinocular Microscope and Binocular Microscope with imaging facility	MSc. Classes
Spectrophotometer	
Ph Meter	
Audio visual facility in seminar hall	
Department of Botany	
(PCR)Thermal Cyclers / Gradient	M.Sc. Classes and Research
UV Visible Spectrophotometer	
Lyophiliser	
Gel Doc with software	
Deep Freezer ( -20° C)	
Micropipettes (variable volume)	
Refrigerator with stabilizer	
Autoclave Large	
Networking, Software & Image analyzer, Plant Tissue culture Facilities enriched, Books, Equipments and Chemicals for PG Students, Infrastructure, Books, Equipments and Chemicals for PG Students and Research.	
Sledge microtome	MSc and Research
BOD Incubator	
Nitrogen Gas cylinders	
UV chamber for TLC	
Clinical centrifuge	
Water bath with temperature control	
Sonicator	
Distillation apparatus for essential oil extraction	
Magnetic stirrer	
Heating mantles	
Microwave oven	

Table Top Computers, scanner, Printer	
Networking, Software & Image analyzer	
3 K V UPS	
Department of Chemistry	
Water quality Multi-parameter Tester (PCD 650)	MSc and Research Scholars
HANNA make COD Photometer Model HI 83099	
Spartan 08 – State of the art molecular orbital calculation software	
Department of Economics	
Books and Journals	BA & MA
Internet facility	
TV & Video and Audio Systems, LCD Projector	
Department of Zoology	
Digital PH meter	MSc and Research

## 28. COMPUTER AND INTERNET ACCESS AND TRAINING TO TEACHERS AND STUDENTS:

Computer and internet facilities are available to all the staff and students of the college. Teachers and students are being trained in the new computer laboratory. DELNET facility has been introduced in the P.G. classes of our college. The Zoology Department has a computer lab with seven computers exclusively for students. Two computers with internet facility are available in the department library. Six computers with internet facility are available for use by the staff, research scholars, and P.G. students of the Botany Department. The teachers and students of the

English Department took training in using Campus Net and using the New Language Lab.

#### Computer Centre

The College has a computer centre capable of providing high quality training to the students. In recognition of the quality and standards maintained by the computer centre, the central govt, IGNOU has accredited the centre for conducting various courses & programmes.

#### Networking

College office, Departments, Library, P.G Classes, are linked through wired and Wi-Fi method. It facilitates digital learning, internet access, on line classes, interactive sessions.

#### Internet Access

Accessing the Net is encouraged for learning purposes and is often a part of exercises and assignments given to the students. The college offers internet access to the students at a subsidized rate in the computer centre.

#### Audio- Visual Centre

Audio -Visual Equipments -Colour T.V, MP3/ DVD player, LCD educational CD/ DVD's are arranged for the students and staff to conduct classes, discussions, Tele conferencing etc.

### 29. FINANCIAL AID TO STUDENTS

College is distributing all available government scholarships to the students. This year we have disbursed Rs. 4327027/- in this connection. Parent teacher association and student welfare trust have spent Rs. 66000 and Rs.65800 respectively as financial aid to various activities and scholarship to the students. Departments have instituted so many scholarships to our students in addition to the above financial aids.

### SCHOLARSHIPS / AWARDS

#### Department of English

1. Archbishop Mar Joseph Cardinal Parecattil Jubilee Memorial Scholarship for the best student in II B.A., B.Sc English, instituted by H.E. Joseph Cardinal Parecattil.
2. Prof. K Gopinathan Endowment for the topper in I M.A. English, instituted by the the English Department.
3. Fr. Hilarion Maliekal Endowment for the topper in II M.A. English, instituted by the Maliekal Family.

4. Prof. Joseph Cheruvely Endowment for extension lectures for M.A. English, instituted by Prof. Joseph Cheruvely.
5. Excellence Award - "instituted by the English department for the best all-rounder of final year B.A. English (Copy Editor)

#### Department of Oriental Languages

1. Prof. P.K. Narayanan Nair Scholarship for the best student in II DC Hindi, instituted by his sons & daughters.

#### Department of Economics

1. Mr. K. Mathulla Memorial Scholarship for the topper in III B.A. instituted by K.M. Thomas, Kavalam.
2. Mr. Pothen Joseph Endowment for the topper in M.A. instituted by V.J. Mathew, Vadakkekalam.
3. Tribhuvandas J Shah Endowment for the best student in I M.A. Economics, instituted by his sons.
4. Prof. K.U. Baby Memorial Library Fund for the purchase of books for poor UG students of Economics Dept., instituted by self.
5. Prof. I.D. Michael Endowment for the top scorer in core papers of B.A. Economics.
6. Prof. P.J. Cyriac endowment for the topper in II BA Economics instituted by Economics Alumni Association.
7. Prof. George Thomas endowment for the topper in I BA Economics instituted by Economics Alumni Association.
8. Rev. Fr. A.U. Varghese endowment for the topper in core papers
9. Rev. Fr. Joseph Kaithalayil Endowment award for the topper in History, instituted by the Economics Alumni Association.

#### Department of Sociology -

Instituted by staff & students

1. Prof. Nalina Babu Award for the best student in part III of final B.A.Sociology (six papers).
2. Prof. Varghese Erattupuzha Endowment for the best student in part III of II B.A.
3. Rev. Fr. Ligor Mundackal Award for the best student in part III of I B.A. Sociology.
4. Rev. Fr. Jose Kuriedath Endowment for the all-rounder from final B.A., B.Sc. and B. Com students.



#### Department of Commerce

1. Prof. Kerala Varma Endowment for the best student in IIIB.Com Accountancy & Auditing, instituted by self.
2. Prof. P.M. Joseph Scholarship for the best student in I M.Com, instituted by self.
3. Prof. M.L. Jose Memorial Scholarship for text-books for one student each from I&II B.Com, instituted by Mrs. Metty Jose.
4. Jeeva Jyothi Endowment for the child of NTS from I B.Com, instituted by Mr. K.J. Antony
5. Netin Lalson memorial scholarships for the highest scorer in M.G. University B.Com Degree Exam. Instituted by Mr. Lalson.
6. Prof. George Chackola Memorial Gold Medal for the highest scorer in M.Com and BCom.
7. Prof. Krishnankutty Menon memorial scholarship for the highest scorer in M.Com Degree Examinations.

#### Department of Mathematics

1. Prof. P.O. Devassy Award for the topper in Part III of B.Sc Mathematics.
2. Rev. Fr. John Therezhath Endowment for the topper in M.Sc. Mathematics.

#### Department of Physics

Scholarships/Awards Instituted by Physics Alumni Association.

1. Fr. Archangel Award for the topper in II B.Sc. Physics & I B.Sc Physics (Main).
2. Prof. C.J. Daniel memorial award for the best in Final B.Sc.
3. Prof. V. Anantharaman memorial award for the topper in II B.Sc.
4. Prof. P.M. Joseph award for the topper in Final B.Sc (Practicals).
5. Fr. Mathai Archangel memorial award for the topper in Final B.SC. (Theory).
6. Prof. P.V. Chakkunny award for the topper in Final M.Sc.
7. Prof. George J. Benedict award for the topper in First B.Sc.
8. Prof. G. Ramanathan award for the topper in First M.Sc.

#### Department of Chemistry

1. Prof. M.V. Varghese Endowment for the best student in Final M.Sc. Chemistry.
2. Prof. M.V. Varghese Endowment for the best student in III B.Sc. Chemistry.

3. Prof. K.A. Gopalakrishnan Scholarship for the best student in I M.Sc. Chemistry.
4. Prof. Sitarama Iyer Award for the best student in II B.Sc. Chemistry in first attempt.
5. Prof. K.T. Kerala Varma Award for the best student in IB.Sc. Chemistry Part III.
6. Prof. Fr. George Kallarackal Award for the best student in III B.Sc Chemistry Part III.
7. Prof. Aravindakshan Award for the best student in I M.Sc.
8. Prof. P.Babu Jose Award for the best student in final M.Sc applied Chemistry.
9. Prof. K.A. Gopalakrishnan Scholarship for the best student in II M.Sc. Chemistry Theory, instituted by his sons.
10. Prof. P.J. Joseph Award for the best student in B.Sc Chemistry (Main Theory), instituted by Teacher's Publications.

#### Department of Botany

1. Prof. T.U. Joseph Endowment for the best student in II M.Sc. Botany.
2. Prof. Mathew Zacharia Endowment for the best student in I B.Sc. Botany.
3. Fr. Aquinas Endowment for the best student in I M.Sc. Botany.
4. Prof. M.M. Appachan Award for the best student in III B.Sc. (Theory).
5. Prof. Kurian Joseph Endowment for the best project work in M.Sc. Botany.
6. Elamthuruthy Mathew Theresiamma Award for the best student in III B.Sc. Botany, instituted by Prof. E. Zacharias Mathew.
7. Prof. Mathew Zacharia Endowment for the best student in II B.Sc. Botany, instituted by Mrs. Elizabeth Zacharia.

#### Department of Zoology

1. Prof. Fr. John Berchaman's Jubilee Memorial Scholarship for the best student in III B.Sc. Zoology, instituted by the management.
2. Fr. Theobald Scholarship for the best student in II M.Sc. Zoology instituted by Pothanikat family, Kothamangalam.
3. Mr. T.C. Mathew Award for the best student in II B.Sc. Zoology, instituted by his students & friends.
4. Prof. V.K. Joseph Endowment for the best student in I M.Sc. Zoology instituted by Mrs. Maya Joseph.
5. Mrs. Beena Pradeep Memorial Scholarship for the best student in I B.Sc. Zoology, instituted by Mr. Pradeep Nainan.

6. Prof. N. Appukuttan Endowment for the best student in II M.Sc, Zoology (Theory), instituted by the colleagues and students.
7. Prof. N. Appukuttan Endowment for the first in III B.Sc. Zoology (Theory), instituted by the colleagues and students.
8. Prof. P.V. Rappai, Prof. P.J. Joseph & Prof. M.J. Devasia Endowment for the best student in B.Sc. Zoology final who secures admission for higher studies in Biology, instituted by the staff and students.
9. Prof. K.S. Francis Award for the best student in B.Sc. Zoology for overall performance in curricular and co-curricular activities, instituted by Kochumalayil family.

#### Department of Physical Education

1. Prof. M.K. Abraham Endowment Award for the outstanding sportsman.
2. Prof. Peter Thomman Endowment Award for the outstanding sports woman.
3. P.T.A. Awards for the State & University Winning team members.
4. P.T.A. Awards for the members of M.G. University, Kerala State & National team.

#### 30. ACTIVITIES AND SUPPORT FROM THE ALUMNI ASSOCIATION

Alumni association conducts annual gatherings. The cluster of Department Alumni Associations functions as college Alumni Association and meetings are held in a regular manner.

Rev. Fr. A.U. Varghese Endowment was instituted by the Alumni of Economics Dept.

- The Mathematics Department Fest "Zero Day" was celebrated with the support of the Alumni Association
- The Physics Alumni Association was started in 1996 for providing a common platform where former students and teachers can interact. The Physics Department Alumni Association has instituted Endowments and the income is distributed among outstanding students of the department.
- Department of Botany Alumni Association meets on second Saturday of February of every year.
- The 'Alumni Meeting' of the Chemistry Dept. is held every year. The General body meeting and the Annual day celebration of the 'Chem. Alumni' of the department is organized annually.

- The Alumni Association members of the Commerce Department contribute research Articles and supports the Seminars and Cultural Fests.
- Regular Alumni meeting of the Zoology department is conducted every year.

### 31. ACTIVITIES AND SUPPORT FROM THE PARENT-TEACHER ASSOCIATION:

Parent-Teacher Association and the trustees of the Student Welfare Trust meet every month. The SWT has an annual budget to cater to the needs of deserving students. It makes an annual contribution to the co-curricular activities of the college and the physical education department.

PTA of the college generously contributed for the conduct of various college programmes such as Sargapatham, Heartifest, Bartholomew tournament, Hridayasargasangamum, Youth festival, and medical aid. The SWT of the college also extended financial support the disbursement of scholarships and awards and for the youth festival.

### 32. HEALTH SERVICES:

A health room is maintained ready with the necessary provisions for emergency health care. College physician, Dr. Rosamma Vincent, is available at any time on call.

### 33. PERFORMANCE IN SPORTS ACTIVITIES:

Sacred Heart College stands on top in sports achievements among the Colleges in the University. On the strength of our tremendous sporting credentials potential sportsmen and sponsors gravitate towards us helping us create an enviable track record in sports. With vibrant Basketball culture from its inception, the college has proved its distinction in many other games. The conduct of Fr Bartholomew Memorial tournaments in Basket ball, Volleyball and Ball badminton with unbroken succession since 1945 itself is an eloquent testimonial to the abiding sporting dedication of our College. The 64th Fr. Bartholomew Memorial Inter-Collegiate Basketball [men/women], Volleyball [men/women] and Ball badminton [men] were conducted this year also.

This year 14 men and 6 women teams participated in the M.G. University inter-collegiate championships. Out of that the college emerged as Winners in four disciplines, Runners up in two and Third in two.

32 students represented the M.G. University and the Kerala state in various games, and four students represented India. More than 75

students are eligible for the sports grace mark and 6 students got job through sports quota in KSEB, Food Corporation of India, Customs and Paramilitary forces this year.

## ACTIVITIES

The 64<sup>th</sup> Fr. Bartholomew Memorial All Kerala Inter-Collegiate Basketball [men/women], Volleyball [men/women] and Ball badminton [men] Tournaments

Organized EKM District Zonal Volleyball championship

Coaching camps in Basketball, Cricket, Football, Judo, Wrestling, Kabaddi & Volleyball

The annual sports meet for the students, staff and ESA

College teacher's cricket match

Facilities opened to public

Supporting MNC, Hotels, NGO to organize various games and Athletics.

## New facilities and Programmes

- Mrs. Mercy Kuttan Academy for Athletics
- Cricket Academy of Kerala Cricket Academy
- Yachting Training
- Horse riding practice
- Korean students visited and demonstrated takevando
- Health club renovation completed by the assistance of Kerala Cricket association
- Walker's lane for fitness

## Future plans

- Multipurpose Indoor Stadium
- Handball training centre for girls
- Academy for badminton
- Aero modelling and flying club
- Indoor cricket nets

ACHIEVEMENTS – M.G.University Inter Collegiate level

WINNER –Table Tennis, Shuttle badminton, Kabaddi [ men & women]

RUNNER-UP –Basketball, Wrestling [women],

THIRD PLACE -Volleyball, Power lifting

Prof. M.K.Abraham Endowment Award for the OUT STANDING SPORTS  
MEN :Sanker P.Gopan, II MCom

Prof. Peter Thomman Endowment Award for the OUTSTANDING SPORTS  
WOMEN :Nimmy George IIInd MCom

#### 34. INCENTIVES TO OUTSTANDING SPORTSPERSONS:

Physical Education Department has instituted the following incentives to the outstanding sports persons.

1. Prof. M.K. Abraham Endowment Award for the outstanding sportsman.
2. Prof. Peter Thomman Endowment Award for the outstanding sports Woman.
3. P.T.A. Awards for the State & University Winning team members.
4. P.T.A. Awards for the members of M.G. University, Kerala State & National team.

#### 35. STUDENT ACHIEVEMENTS AND AWARDS

##### **RANK-HOLDERS OF APRIL-MAY 2010**

Serial #	Name of rank-holder	Examination appeared	Rank level
1	REMYA K A	BA English Copy Editor	THIRD
2	ABRAHAM JOSE O M	BA Sociology	FIRST
3	MANGESH LAHANKER	BA Sociology	SECOND
4	RASNI BAI	BA Sociology	THIRD
5	DEEPA A RAO	BCom Taxation	FIRST
6	ARCHANA P SARATHY	BCom Taxation	SECOND
7	PRIYANKA SUBRAMANIAN	BCom Taxation	THIRD
8	SRUTHI PRAMOD	BSc Mathematics	FIRST
9	RESHMA VIDHYADHARAN	BSc Chemistry	SECOND
10	SREESHMA N S	BSc Zoology	THIRD
11	VANI LAKSHMI R	BSc Computer Applns	FIRST
12	ASWATHI	BSc Computer Applns	SECOND

13	SMITHA JOSE	MA Economics	FIRST
14	LUCY RITHU B.G.	MSc Zoology	FIRST
15	SAJNA V.H.	MSc Zoology	THIRD
16	NITHYA MAHAWAR	MSc Chemistry(Pure)	SECOND
17	SYAMA S. KUMAR	MSc Chemistry(Applied)	SECOND
18	NINU JACOB	MSc Chemistry(Applied)	THIRD

PG Results are awaiting

#### Other achievements of students

Date	Name of the student	Class	Item participated	Place	Prize
30.7.2009	Sen Jansen	I B.Com	Bharathanatyam Folk dance	Kochi	I Prize III Prize
9.9.2009	Nandinin Balachandran	II BCom CA	Light music competition		I Prize
16.9.2009	Elizabeth V. Mathew & Anu George	I MSc Zoology & II DC Computer Application	Debate in Bharatham 2009, FISAT	FISAT	I Prize
	Elizabeth V. Mathew	I MSc Zoology	Best critic curiting		I Prize
29.9.2009	Jipson John	I DC Chemistry	Malayalam extempore	Kochi	II Prize
	Alwin Jose	I BCom Taxation	"	"	III Prize
	Elizabeth V. Mathew	I BSc Zoology	English extempore ,	Toch fest	II Prize
	Aravind R.	III B.Com Taxation	Best Manager		I Prize
	Anu George	II BSc CA	Best Manager		II Prize
29.9.2009	Sheeja Thamby &	I MA Economics	Intercollegiate Economics	K.E. College, Mannanam	II Prize

	Thasleem Aziz	II BA Economics	Quiz competition		
1.10.2009	Table tennis team		MG University TT Championship	Kottayam	I Prize
8.10.2009	Sraddha Vinodkuty	III Economics	Intercollegiate debate competition	St. Theresa's College, Ernakulam	I Prize
	College team		Quiz competition, Sargapadham		I Prize
8.10.09	Akhil Aravind	I BSc Physics	Table Tennis inter club event & Men's event	Udyogamandal Club	I Prize III Prize
8.10.09	Sreeja S. & Nithya S. Menon	III DC Physics	Intercollegiate paper presentation on Night Vision Technology	Christ College, Irinjalakkuda	III Prize
	Navya Benedict	III DC Chemistry	Quiz competition	"	I Prize
	Jobin K.J.	II BSc. Physics	Essay writing	"	I Prize
	K.G. Jithinraj	I MSc Physics	Essay writing	"	II Prize
	Abraham Jose	III BA Sociology	Essay writing	"	III Prize
8.10.09	Elizabeth V. Mathew & Shivani Prabhu	I MSc Zoology II BA Sociology	Debating team	Bharatmatha college	I Prize
	Elizabeth V. Mathew	I MSc Zoology	Best speaker	"	I Prize
11.10.09	Aravind R. &	III B. Com	Quiz	St. Theresa's	II



	Jobin V. Joseph	Tax. II BA Economics	competition	college	Prize
12.10.09	Basket ball (Men) team		MG University Basketball championship	Changanassery	I Prize
12.10.09	Vimal Francis	III BA Econ.	Modified car competition	Samgits college, Kottayam	I Prize
12.10.09	Volleyball team		Intercollegiate volley ball tournament	Christ college, Irinjalakkuda	II Prize
22.10.09	Kabadi team (Men)		MG University Kabadi Championship	Pala	I Prize
22.10.09	Sreeja S. & Nithya S. Menon	III BSc Physics	Intercollegiate power point presentation in Physics	Assumption College, Changanassery	I Prize
22.10.09	Dept. of B.Com CA		AUDEAMUS 2009	St. Theresa's College	II Prize
23.10.09	Alvin Jose	I BCom Tax	Dyuthi '09- intercollegiate competition	UC College, Aluva	II Prize
26.10.09	Aravind R. , Gayathri Suresh, Navneesh Sharma, Preetha Antony, Jacob P. Mathew, Anna Mol, John Riyas M.M.	III BCom Tax.  II BCom Tax.	AUDEAMUS 09	St. Teresa's College	III Prize
27.10.09	Jobin V. Joseph & Thasneem Azeez	II BA Economics	Economics Quiz	Devamatha College, Kuravilangadu	I Prize

29.10.09	Aravind R. Arun Thomas	III BCom I BCom	Quiz in Audemex 09		III Prize
29.10.09	Nikhil Philip Jacob  Sandhya Sharma  Hareesh Mohan  George	III Bcom CA	Team management event	Kristu Jyothi College, Changanasse ry	I Prize
4.11.09	Abraham Jose  Shivani Prabhu	Sociology	Interdepartme ntal Tourism Quiz	SH	I Prize
	Aravind R.  Riyas M.M.	Commerce	Interdepartme ntal  Tourism Quiz	SH	II Prize
2.11.09	Inshad M.I.	I BA sociology	Shotput, Kerala State Junior Athletics Championship	Ernakulam	Gold medal
5.11.09	Jayasankar M.	III BCom Tax.	Intercollegiate painting competition	St. Theresa's college	I Prize
	Vidhya Thambi	III BCom Tax.	"	"	II Prize
10.10.09	Aravind R. Nair  James Joseph	III BCom Tax.  II BSc. Physics	Narayanan Nambiar All kerala Quiz Competition	UC College, Aluva	I Prize
15.10.09	College women Kho- Kho team		MG university Competition		Runne r up
17.11.09	Aravind R.	III BCom Tax	All Kerala Intercollegiate Extempore competition	UC College	III Prize

17.11.09	College Basketball Team		Senior District Basketball Championship	Rajive Gandhi Indore stadium, Kadavathera	Runner up
23.11.09	P.N. Balasubramanian & Keziah Susan Prasad	II DC Physics	State Finals of APT Physics quiz competition		III Prize
7.12.09	Abrham Jose & Manoj C.H.	III BA Sociology I BSc Physics	Intercollegiate Quiz conducted by GPTC Kalamasserry	Kalamassery	I Prize
	Ajith Sunil P. S. & Deepu K. Uthaman	I BSc Physics I BSc Physics	"	"	II Prize
7.12.09	Akhil Aravind	I BSc Physics	All Kerala Table Tennis Championship	Kalpetta	III Prize
10.12.09	Muhammad brahim		Extempore (Mal)	SH	I Prize
	Alwin Jose		"	"	III Prize
	Elizabeth Mathew		"	"	III Prize
	Abraham Jose		Extempore (Eng)	"	I Prize
	Elizabeth Mathew		"	"	II Prize
	Anu George		"	"	III Prize
	Shivani Prabhu		Extempore (HIn)	"	I Prize
	Muhammad				II

	Ibrahim				Prize
	Charutha Rajm		Recitatio (Hin)	"	I Prize
	Shalini Menon		"	"	II Prize
	Deepika Tiwari		Essay writing (Hin)	"	I Prize
	Charutha Raj		"	"	II Prize
	Asmin Ibrahim		"	"	
31.12.09	P.N. Balasubramanian	II DC Physics	State level Physics Talent search Exam conducted by Academy of Physics teachers		I Place
29.01.2010	Helen Xavier	I BA Copy Editor	National Karate Championship	Perumbavoor	Gold medal
21.1.2010	Azmy M. Ebrahim	II DC Chemistry	Hindi pre test 2009		II Rank
11.3.2010	College Dance Team: Shalini Menon, Neethu Antony, Mahesh Chitra Prakash, Sen Jansen, Hari Krishnan and Lakshmi		ADIST 2010	Toc H Engineering College	I Prize

### 36. ACTIVITIES OF THE GUIDANCE AND COUNSELLING UNIT: ACADEMIC AND PERSONAL COUNSELLING CENTRE

The college avails the service of trained counsellors for helping the students. Counselling is aimed at the health and growth of the total person. Counselling helps the student to become aware of his/her real problem; to own his feeling; to know the rationality of the thoughts behind negative feelings; to take decisions that will be conducive to one's growth;

and thus to use one's psychic energy creatively. Students who need counselling may avail themselves of the opportunity. Confidentiality is ensured in all matters.

Objectives of the centre:

To make students understand the need and importance of healthy interpersonal relationships.

To help students to help themselves in times of crisis, by showing them "tips" to face various crises of life.

To organize seminars, group discussions and provide personal guidance to the youth.

To make the students understand their strengths and weaknesses and to help them to develop further their "strengths".

To offer the students a real 'space' in the campus, where they can meet and share their personal problems with confidence, trust and confidentiality.

To provide professional help and treatment to our students, if they need any.

### 37. PLACEMENT SERVICES PROVIDED TO STUDENTS

The number of students of our college who gain placements through campus recruitment in various companies is as follows:

Outsource Partners (International) (OPI Global)

1. Shalu
2. Joyas
3. Jipia V.Unni
4. Rasmi M.B.
5. Arvind R.
6. Subha Rao T.R.
7. Hariprasad B.
8. Jyothi Mary Mathew
9. Mohmmad Sherin Ashraf
10. Neena Joseph

Google India

1. Shradha Viroth Kutti
2. Kavitha Bhadra

3. Aravind R.

Wipro Technologies

1. Megha P. Unni
2. Shifas M.
3. Krishna Kumar
4. Manu Sebastian

SBL Infotech

1. Rekha R. Shenoy
2. Rekhna Raghavan
3. Vishnu G. Nair
4. Vidya V.

South Indian Bank

1. George Jose Paul Clerk
2. Arun Raj Clerk

List of students selected for various firms through campus recruitment from  
**Department of Computer Sciences**

Rekhna Raghavan	SBL Computers	IT Consultant
Achuth K S	WIPRO, Chennai	IT Consultant
Vipin P	WIPRO, Bangalore	IT Consultant
Sourabhi Giri	WIPRO, Bangalore	IT Consultant
Vani Lakshmi R	WIPRO, Chennai	IT Consultant
Minnu Abraham	WIPRO, Bangalore	IT Consultant
Arun Raj S	South Indian Bank	Clerk
Sasi Kumar S	WIPRO, Chennai	IT Consultant

List of students selected for various firms through campus recruitment from Department of Aquaculture

Pratha P. A.R	MPEDA	Field Superviso
Dhanya N.H	Cherukad Industries	Quality controller
Deepthi R	Aqua sea food International	Quality controller
Tinto Thomas	Green tech aqua garden	Technician
Lakshmi Balan	Infopark	Technical assistant

Department of Economics

Ms.Nandini R Nair	Google	Web Coordinator
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### 38. DEVELOPMENT PROGRAMMES FOR NON TEACHING STAFF:

College has an Establishment Staff Association in which all non teaching staff are members. There were eight committee meetings and one general body meeting were held in 2009-10. There was a renewal programme conducted for the members of nonteaching staff. ESA along with the college management distributed scholarships, educational help and financial loans to the members. ESA organised one staff tour during this period. During this academic year ESA extended Rs. 265000/- as loan for 19 members.

College has contributed Rs. 3000 for each member for the purchase of computer and the remaining amount towards the cost of computers were given as loan for 30 members. College also extended medical insurance policies to the family members of the non teaching staff.

### 39. HEALTHY PRACTICES OF THE INSTITUTION

Every year, most of the departments of the college are conducting seminars and invited talks and also distributing scholarships to the students in commemoration to the retired teachers.

Item	Target Group	Year
Department of Aquaculture		
Visit to farms, Hatcheries, fish landing centers, and industries	MSc	2009-2010
Visiting research institutions	MSc	2009-2010
Training at ICAR institutes, and industries	MSc	2009-2010
Students visit landing centers and identify fishes and other aquatic organisms	MSc	2009-2010
Each student allotted with aquarium tanks and varieties of ornamental fishes to get exposure to ornamental fish handling and breeding	MSc	2009-2010
Department of Zoology		
Counselling Classes		2006 - 2010
Introduction to Higher Studies		2006 - 2010
Introduction to NET		2006 - 2010
Department News Letter - NOVA ZOOLOGIA		2006 - 2010

Wall Magazine - ACTA ZOOLOGIA with current topics in Zoology		2006 - 2010
Publication of manuscript magazine to promote talents of students - most of the issues bagged prizes at University level		2006 - 2010
Visit to old age homes		2006 - 2010
Presentation of M.Sc. Projects with audio-visual media		2006 - 2010
Field study programmes		2006 - 2010
Visit to Research Institutes		2006 - 2010
Participation in various competitions		2006 - 2010
Department of Economics		
BMLP and Soft Skill Development Programmes	MA & BA	2007-10
Janaparvam(Outreach Programme)- Staff & Students of Degree and post graduate classes were involved in taking classes for the Students of Mangai Government High School Maradu	Students of Mangai Government High School Maradu	2005-10
Scheduled Tribe empowerment Programme (STEP)	Students visit tribal settlements and interact with tribes and supply them with food, dress and study materials	2007-10
Department of Mathematics		
Organised a regional Quiz Programme on Statistics in association with the old students forum of the dept.of Statistics, CUSAT	Mathematics students of Ernakulam Idukki districts	2010



## Department of English

### Seminars & Lectures:

- 1 Rev. Dr. Daniel Thottakkara Memorial National Seminar for college faculty.
- 2 Rev. Fr. George Koyikkara Endowment Lecture on Media Studies.
- 3 Rev. Dr. Daniel Thottakkara Memorial Lecture for college students.

### Scholarships/Awards

1. Archbishop Mar Joseph Cardinal Parecattil Jubilee Memorial Scholarship for the best student in II B.A., B.Sc English, instituted by H.E. Joseph Cardinal Parecattil.
2. Prof. K Gopinathan Endowment for the topper in I M.A. English, instituted by the English Department.
3. Fr. Hilarion Maliekal Endowment for the topper in II M.A. English, instituted by the Maliekal Family.
4. Prof. Joseph Cheruvely Endowment for extension lectures for M.A. English, instituted by Prof. Joseph Cheruvely.
5. Excellence Award - "instituted by the English department for the best all-rounder of final year B.A. English (Copy Editor)

## Department of Oriental Languages

### Scholarships/Awards

1. Prof. P.K. Narayanan Nair Scholarship for the best student in II DC Hindi, instituted by his sons & daughters.

## Department of Economics

### Scholarships / Awards

1. Mr. K. Mathulla Memorial Scholarship for the topper in III B.A. instituted by K.M. Thomas, Kavalam.
2. Mr. Pothen Joseph Endowment for the topper in M.A. instituted by V.J. Mathew, Vadakkekalam.
3. Tribhuvandas J Shah Endowment for the best student in I M.A.Economics, instituted by his sons.
4. Prof. K.U. Baby Memorial Library Fund for the purchase of books for poor UG students of Economics Dept., instituted by self.
5. Prof. I.D. Michael Endowment for the top scorer in core papers of B.A. Economics.
6. Prof. P.J. Cyriac endowment for the topper in II BA Economics instituted by Economics Alumni Association.

7. Prof. George Thomas endowment for the topper in I BA Economics instituted by Economics Alumni Association.
8. Rev. Fr. A.U. Varghese endowment for the topper in core paper in Economics in I BA Economics.
9. Rev. Fr. Joseph Kaimalayil endowment for the topper in BA Subsidiary paper History.

Department of Sociology  
Scholarships / Awards

Instituted by staff & students

1. Prof. Nalina Babu Award for the best student in part III of final B.A.Sociology (six papers).
2. Prof. Varghese Erattupuzha Endowment for the best student in part III of II B.A.
3. Rev. Fr. Ligori Mundackal Award for the best student in part III of I B.A. Sociology.
4. Rev. Fr. Jose Kuriedath Endowment for the all-rounder from II B.A., B.Sc. and B.Com students.

Department of Commerce  
Scholarships / Awards

1. Prof. Kerala Varma Endowment for the best student in IIIB.Com Accountancy & Auditing, instituted by self.
2. Prof. P.M. Joseph Scholarship for the best student in I M.Com, instituted by self.
3. Prof. M.L. Jose Memorial Scholarship for text-books for one student each from I&II B.Com, instituted by Mrs. Metty Jose.
4. Jeeva Jyothi Endowment for the child of NTS from I B.Com, instituted by Mr. K.J. Antony
5. Netin Lalson memorial scholarships for the highest scorer in M.G. University B. Com Degree Exam. instituted by Mr. Lalson.
6. Prof. Krishnankutty Menon memorial endowment for the highest scorer for M.Com final year Examinations.

Department of Mathematics

Organised a regional quiz programme on statistics in association with the old students forum of the dept. of Statistics, CUSAT.

Seminars & Lectures

1. Rev. Fr. John Therezhath Endowment annual lecture series in Mathematics.

## Scholarships / Awards

Instituted by staff & students

1. Prof. P.O. Devassy Award for the topper in Part III of B.Sc Mathematics.
2. Rev. Fr. John Therezhath Endowment for the topper in M.Sc. Mathematics.

## Department of Physics

### Scholarships/Awards

Instituted by Physics Alumni Association.

1. Fr. Archangel Award for the topper in II B.Sc. Physics & I B.Sc Physics (Main).
2. Prof. C.J. Daniel memorial award for the best in Final B.Sc.
3. Prof. V. Anantharaman memorial award for the topper in II B.Sc.
4. Prof. P.M. Joseph award for the topper in Final B.Sc (Practicals).
5. Fr. Mathai Archangel memorial award for the topper in Final B.SC. (Theory).
6. Prof. P.V. Chakkunny award or the topper in Final M.Sc.
7. Prof. George J. Benedict award or the topper in First B.Sc.
8. Prof. G. Ramanathan award or the topper in First M.Sc.

## Department of Chemistry

### Seminars & Lectures

Instituted by students & colleagues.

1. Prof. P.E. Aravindksha Kartha Endowment to organize lectures in the field of Chemistry.
2. Prof.V.A. Joseph Endowment to organize lectures.
3. Prof. P.J. Joseph Endowment to organize All Kerala Inter-Collegiate Quiz Competition.
4. Prof. K.V. Thomas Endowment for organising National Seminars in the field of Chemistry.
5. Prof. K.J. Thomas Jacob Endowment to organise lectures in the field of Chemistry.
6. Prof. Varghese Paul Endowment to organise lectures in the field of Chemistry.
7. Rev. Dr. (Sr.) Aleyamma Zacharia endowment to organise inter collegiate project presentation award in PG Chemistry.

### Scholarships/Awards

Instituted by staff & students.

1. Prof. M.V. Varghese Endowment for the best student in Final M.Sc Chemistry.

2. Prof. M.V. Varghese Endowment for the best student in III B.Sc. Chemistry.
3. Prof. K.A. Gopalakrishnan Scholarship for the best student in I M.Sc Chemistry.
4. Prof. Sitarama Iyer Award for the best student in II B.Sc. Chemistry in first attempt.
5. Prof. K.T. Kerala Varma Award for the best student in I B.Sc. Chemistry Part III.
6. Prof. Fr. George Kallarackal Award for the best student in III B.Sc Chemistry Part III.
7. Prof. Aravindakshan Award for the best student in I M.Sc.
8. Prof. P.Babu Jose Award for the best student in final M.Sc applied Chemistry.
9. Prof. K.A. Gopalakrishnan Scholarship for the best student in II M.Sc. Chemistry Theory, instituted by his sons.
10. Prof.P.J. Joseph Award for the best student in B.Sc Chemistry (Main Theory), instituted by Teacher's Publications.

#### Department of Botany

##### Scholarships/Awards

Instituted by staff & students.

1. Prof. T.U. Joseph Endowment for the best student in II M.Sc. Botany.
2. Prof. Mathew Zacharia Endowment for the best student in I B.Sc. Botany.
3. Fr. Aquinas Endowment for the best student in I M.Sc. Botany.
4. Prof. M.M. Appachan Award for the best student in III B.Sc. (Theory).
5. Prof. Kurian Joseph Endowment for the best project work in M.Sc. Botany.
6. Elamthuruthy Mathew Theresiamma Award for the best student in III B.Sc. Botany, instituted by Prof. E. Zacharias Mathew.
7. Prof. Mathew Zacharia Endowment for the best student in II B.Sc. Botany, instituted by Mrs. Elizabeth Zacharia.

#### Department of Zoology

##### Seminars & Lectures

1. Fr. Austin Mulerikal Endowment for organizing guest lecturers in Zoology, instituted by colleagues and students.

##### Scholarships/Awards

1. Prof. Fr. John Berchaman's Jubilee Memorial Scholarship for the best student in III B.Sc. Zoology, instituted by the management.
2. Fr. Theobald Scholarship for the best student in II M.Sc. Zoology instituted by Pothanikat family, Kothamangalam.
3. Mr. T.C. Mathew Award for the best student in II B.Sc. Zoology, instituted by his students & friends.
4. Prof. V.K. Joseph Endowment for the best student in I M.Sc. Zoology instituted by Mrs. Maya Joseph.
5. Mrs. Beena radeep Memorial Scholarship for the best student in I B.Sc. Zoology, instituted by Mr. Pradeep Nainan.
6. Prof. N. Appukuttan Endowment for the best student in II M.Sc, Zoology (Theory), instituted by the `colleagues and students.
7. Prof. N. Appukuttan Endowment for the first in III B.Sc. Zoology (Theory), instituted by the colleagues and students.
8. Prof. P.V. Rappai, Prof. P.J. Joseph & Prof. M.J. Devasia Endowment for the best student in B.Sc. Zoology final who secures admission for higher studies in Biology, instituted by the staff and students.
9. Prof. K.S. Francis Award for the best student in B.Sc. Zoology for overall performance in curricular and co- curricular activities, instituted by Kochumalayil family.

#### Department of Physical Education

#### Scholarships / Awards

Instituted by the department.

1. Prof. M.K. Abraham Endowment Award for the outstanding sportsman.
2. Prof. Peter Thomman Endowment Award for the outstanding sports woman.
3. P.T.A. Awards for the State & University Winning team members.
4. P.T.A. Awards for the members of M.G. University, Kerala State & National team.

#### Best practices of Zoology department

- Introduction to higher studies
- Introduction to UGC NET
- Department news letter – Nova Zoologia
- Wall magazine – Acta Zoologia with current topics in zoology
- Publications of manuscript magazines
- Visit to old age homes
- Visit to research institutes

#### Best practices in Economics department

- Scheduled Tribe empowerment Programme (STEP)
- Janaparvam(Outreach Programme)- Staff & Students of Degree and post graduate classes were involved in taking classes for the Students of Mangai Government High School Maradu

Best practices in Mathematics department

- BMLP and Soft Skill Development Programmes
- Best practices in Aquaculture department
- Participation in aqua trade fair
  - Visit to farms, Hatcheries, fish landing centres, and industries
  - Visiting research institutions
  - Training at ICAR institutes and industries
  - Students visit landing centres and identify fishes and other aquatic organisms
  - Each student allotted with aquarium tanks and varieties of ornamental fishes to get exposure to ornamental fish handling and breeding.

Other Healthy Practices

- Coaching to weak student in computer application
- NCC (Naval Wing)
- NCC –Army Wing
- National Service Scheme
- Literary Club Activities
- Onam Celebration
- Sargapatham & Hridayasangamam
- Inaugural Ceremony
- Quiz Programmes
- Tutorial System
- Arts Club
- Technology Promotion
- Nature Club
- Tourism Club
- Dance Club
- Drama Club
- Music Club
- AICUF
- St. Vincent De Paul Society
- Valedictory Function
- Speakers Forum
- Civil Services Study Circle ( IAS, IFS, IPS etc )

- Jesus Youth
- College Union
- Red Cross
- Women's Cell Activities
- Parent –teacher Association
- Student Welfare Trust
- Golden Jubilee Memorial Trust
- Faculty meeting (Including retired) at the end of each academic year
- Presentation of 20% salary of the existing faculty to the dependents of the faculty died while in service
- Establishment Staff Association
- Departmental Associations
- Zero day of Mathematics Department
- Fusion of Physics Department
- Zoo fest of Zoology Department
- Flora fest of Botany Department
- Chemi-fest of Chemistry Department
- Aqua fest of Aquaculture Department
- Heart-ifest
- Heart beats – news letter of college
- Socio-fest of Sociology Department
- Econo-fest of Economics Department
- Home Coming for the Alumni
- College and Department Alumni Association
- Retired Teachers Forum
- S.H. College Co- Operative Society
- Departmental Associations
- Campus Recruitment and Placement Cell
- Career Guidance Centre
- Centre for consultancy and extension services
- Shape-fitness centre
- Bank ATM
- Diet – canteen
- Rain water harvesting
- Auditorium, Marian Hall, Seminar Halls, Conference Halls
- Zoology Museum
- Instrumentation Centre
- Videography and studio
- Talent Clubs
- Awareness Forums

- Scholarships to students
- Grievance Redressal Cell

#### 40. LINKAGES DEVELOPED WITH NATIONAL/INTERNATIONAL, ACADEMIC/ RESEARCH BODIES.

Different departments developed academic and research linkages with National and International agencies. Some of the faculties are closely associated with the Research institutions and Academic bodies. Dr. P.A. Sebastian and Dr. M. George are visiting scientists to various international Universities and academic bodies such as Brazil, Belgium and Washington. Dr V. C George of Aquaculture Department has academic tie-up with FORV Sagar Sampatha of Department of Ocean Development, Govt. of India.

SI No	Name of the faculty	Linkage	Institution
Department of Aquaculture			
	Dr. V.C. George	Member of the committee for design and construction of multipurpose research vessels	CMFRI
	Dr. V.C. George	PhD examiner	CUSAT
Department of Botany			
	Dr. Joy P. Joseph	Technical discussions	Tissue culture Lab, Spices Board, Kochi
Department of Economics			
	Dr. Sibi Zacharias (Co-ordinator)	Indo-Japanese Cultural Exchange Programme (Students of Nihon Fukushi University)	Nihon Fukushi University, Japan
Department of Mathematics			
	Cyriac Antony	Member	Indian Society for Probability and Statistics and Kerala Statistical Association
Department of Physics			
	Dr. Georgekutty	Life member of	Indian Association



	Joseph		of Physics Teacher
	Prof. A. Varadarajan	"	"
	Prof. George Philip	"	"

41. ANY OTHER RELEVANT INFORMATION THE INSTITUTION WISHES TO ADD:

#### PUBLICATIONS OF THE COLLEGE

- College Magazine
- Most of the departments are publishing news letters or manuscript magazines each year.
- The College news letter 'Heart Beats' documents all the key events on the campus.

#### CLASSROOM BEAUTIFICATION CONTEST

The classroom beautification contest for the year 2009-10 was conducted in the college. This has become a part of our college culture.

#### ALL INDIA INTERCOLLEGIATE FESTIVAL – 'TANDAV'

The Commerce Department of our college organized the All India Inter-collegiate Festival 'TANDAV 08' in our campus. It turned out to be an offbeat extravaganza without a parallel in the college around.

## PART C

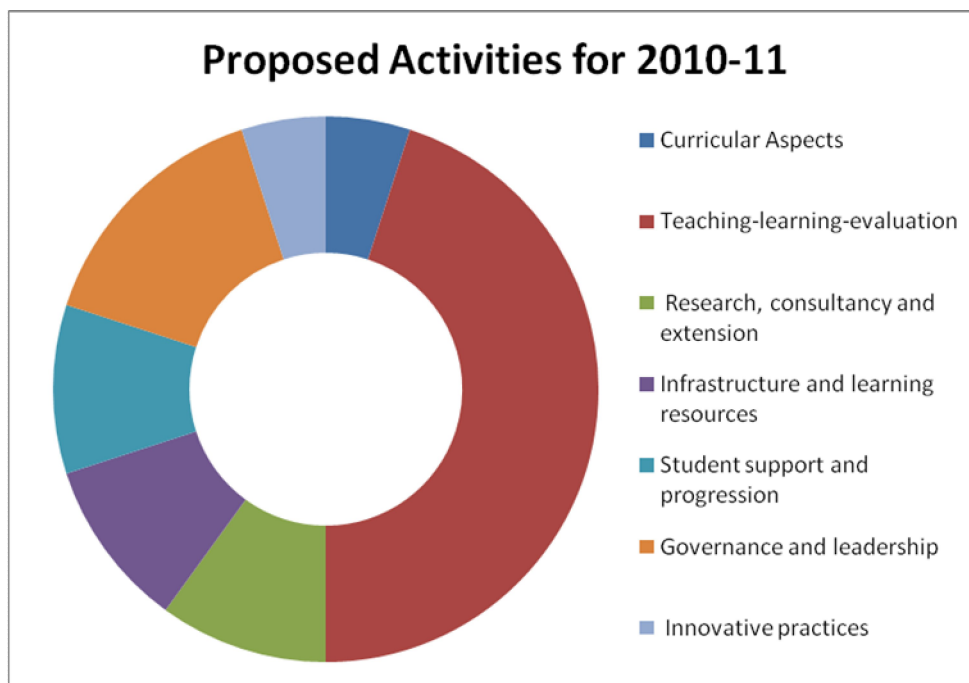
### DETAILED PLANS OF THE INSTITUTION FOR THE NEXT YEAR

The new Principal convened an IQAC meeting, which chalked out the frame work for quality improvement for the academic year 2010-11.

Our planning for the academic year 2010-11 is based on five values of assessment of higher educational institutions such as: -

1. Contributions to national development
2. Fostering global competencies among students
3. Inculcating a value system in students
4. Promoting the use of technology
5. Quest for excellence in all disciplines

We ensured a timely, efficient and progressive performance of academic, administrative and financial tasks. Modern methods of teaching, learning and evaluation will be integrated with the system.



### Thrust Areas to be Focused

1. Focus on academic discipline. For this norms will be developed
2. Quality improvement of the Teaching faculty – especially on the use of ICT.

3. Training Facilitating purchase of individual lap tops for faculty members.
4. Quality improvement of administrative staff – training
5. To introduce web based internal communication.
6. To ensure 24 hour connectivity on the campus
7. To further improve the global image of the college by drastic re-designing of the website, by making it an interactive academic resource base.
8. Research based planned community intervention.
9. Strengthening the on-going GO GREEN campaign – introduction of pilot upland farming plot; butter fly garden, vegetable garden, partner in the 15 year clean campaign, waste management unit.
10. Value education and student feed back through tutorial sessions. Target 8 tutorials & student retreat.
11. Obtaining minority status for the college officially.
12. Inter-disciplinary programmes – SHARE, Science Congress, Publication, INSPIRE, Instrumentation Room.
13. Policy regarding staff quality improvement – selection, induction, continuous improvement, indicators, incentives.
14. Ensure new faculty intake through the formal process, and ensure systematic familiarization of the faculty to the college culture.
15. Developing a manual of quality maintenance – traditions, processes, procedures.
16. Encouraging faculty to present papers at seminars in India and abroad
17. Encouraging students to participate in co curricular and extra curricular activities
18. Training for Hindi pre-test examination to be given to the students.
19. Expedite the infrastructural and technology up-gradation programmes through CPE funds.
20. Construction of women's hostel is progressing
21. Campus beautification programmes will be strengthened.

Various workshops, seminars on different aspects will be conducted. Top priority will be given to documentation of the various programmes/activities of the college. Internal communication system will be strengthened. Faculty and administrative staff will be encouraged to participate in the programmes to improve their individual quality.

Management Governing Council, College Council, IQAC, Departments and other bodies like Parent Teacher Association and Student Welfare Trust will take part in the planning of the academic year. Planning for the conduct of Seminars, workshops and conferences, Sargapadham, Hrdyasarga-sangamam, Heartifest, Programmes for communal harmony, Aqua Food Festival, World Environment Day celebrations, Annual day celebrations, Armed Forces Flag day celebrations, All India inter collegiate festival-Tandav, activities of the departments, clubs and other sub units, Quiz competitions, Tutorial systems, Renewal programmes for teaching and non teaching staff will be done, at the beginning of the year and the responsibilities will be entrusted with teachers, staff and students concerned.

s/d

Dr. K. X. Joseph  
Coordinator, IQAC

s/d

Dr Johnson X. Palackappillil  
Chairperson, IQAC