

Part II of Re-Accreditation Report

The Evaluative Report

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ABBREVIATIONS

AICUF	: All India Catholic University Federation
ATM	: Automated Teller Machine
BMLP	: Basic Maths Learning Programme
BPL	: Below Poverty Line
CA	: Chartered Accountant
CAP	: Chemistry Awareness Programme
CBCS	: Choice Based Credit System
CCMB	: Center for Cellular and Molecular Biology
CDART	: Centre for drug Abuse Research Translation
CDS	: Course Design Studio
CIEFL	: Central Institute of English and Foreign Languages
CIFT	: Central Institute of Fisheries Technology
CMFRI	: Central Marine Fisheries Research Institute
CMI	: Carmelites of Mary Immaculate
COSIP	: College Science Improvement Programme
CPE	: College with Potential for Excellence
CSIR	: Council for Scientific and Industrial Research
DCP	: Digital Courseware Production
DELNET	: Developing Library Network
DLS	: Digital Learning System
DOEACC	: Department of Electronics Accreditation of Computer Courses
DR	: Demand Ratio
DST	: Department of Science and Technology
DTP	: Desk Top Printing
FACT	: Fertilizers and Chemicals Travancore Ltd.
FC Cochin	: Foot Ball Club Cochin
GD	: Group Discussion
GEPACT	: GE Capital International Services
GYM	: Get Yourself Motivated
HCC	: Hindustan Constructions Ltd.
HDFC	: Housing Development Financial Corporation
HIL	: Hindustan Insecticides Ltd.
HOC	: Hindustan Organic Chemicals
HSBS	: Health Science Business Solution
HSBC	: Hongkong and Shanghai Banking Corporation
ICAR	: Indian Council for Agricultural Research
ICT	: Information Communication Technology
IGNOU	: Indira Gandhi National Open University
IQAC	: Internal Quality Assurance Cell
IT	: Information technology
KRL	: Kochi Refineries Ltd.
KSCSTE	: Kerala State Council for Science Technology and Environment
LAN	: Local Area Networking
LCD	: Liquid Crystal Display
LED	: Light Emitting Diode
MGU	: Mahatma Gandhi University
MNC	: Multi National Company

MOEF	: Ministry of Environment and Forests
MOU	: Memorandum of Understanding
MPEDA	: Marine Products Export Development Authority
NET	: National Eligibility Test
NSS	: National Service Scheme
OHP	: Over Head Projector
PC	: Personal Computer
PD Software	: Public Domain Software
PEP	: Project EngPower
PGDCA	: Postgraduate Diploma in Aquaculture
PGDJMC	: Post Graduate Diploma in Journalism and Mass Communication
PROGEON	: The Business Process Management Company of Infosys's Technology
PTA	: Parent Teacher Association
RRL	: Regional Research Laboratory
SABS	: Southern Anti Blood Sports Society
SADA	: Students Against Drug Abuse
SAP	: Science Assistance Programme
SWP	: Students Wellness Programme
SWT	: Students Welfare Trust
TOEFL	: Test of English as a Foreign Language
TPC	: Technology Promotion Club
UN	: United Nations
UNCTAD	: United Nations Council for Trade and Development
UV	: Ultra Violet
VLC	: Virtual Learning Centre
Wi-Fi	: Wireless Net Work
WTO	: World Trade Organization
YEP	: Youth Exchange Programme
YRC	: Youth Red Cross

Part II of Re-Accreditation Report

The Evaluative Report

A) Executive Summary

Sacred Heart College established in 1944, the maiden stride of the CMI congregation into the higher education arena has ever kept alive and endeavoured to bring to fruition the dreams of its founder visionaries. Nestling on an 11.98 acre pristine greenery on the shores of the Vembanad Lake the College is astoundingly roomy with an area of 1,50,000 sq.ft, and can provide comfortable accommodation to 2500 students. The grand structure, a unique blend of the old and the new with its exuberantly green surroundings has continued to sparkle on the crown on the Queen of the Arabian Sea. This edifice of learning and holistic enrichment has caught the attention of the state and the nation, and has come to global notice as well.

Thevara College, as our College is fondly known, after remaining a male bastion for over 25 years turned co-ed in 1975. Excelling in academic and co-curricular fields, Sacred Heart College has won abundant recognition all these years. The Government of Kerala conferred on it the coveted **R. Sankar Award** for the best First Grade College for the academic years 1996 - 97 and 1998 - 99. In 2001- 02 the College was selected as one of the centres for the College Science Improvement Programme (COSIP) by the UGC. In 2002 - 03 the UGC honored our College with a special grant in recognition of its 50 years service to the nation. In the very next year the Government of Kerala declared the institution eligible for the 'Special Grade Principal', with retrospective effect from 1-1-1986. And to top it all the UGC recognized Sacred Heart College as **College with Potential for Excellence** in the year 2004 - 05, thus setting it on a new trajectory of growth. All these recognitions came, of course, after the **Five Star** accreditation by the NAAC, which gave us the drive and the energy and the resolve to excel. Now in the 62nd year of its growth, the College possesses the potential and the passion to grow into a centre of excellence.

The College is affiliated to the Mahatma Gandhi University, Kottayam. With 2197 students from backward, urban, and semi-urban backgrounds on its rolls, and with a sprinkling of non-Malayalee students in most classes, we have a cosmopolitan campus. Six of our Departments are recognized research centres for PhD under the MG University. The College has on its faculty 76 regular and 41 guest lecturers; 22 of the regular faculty are PhDs and 40 have M Phil. 9 teachers are in the process of

completing their PhD and three teachers are on FIP. The liberal ambience of the College provides the right climate for all round growth. Some of the faculty members of our bio-sciences Departments enjoy international reputation in Arachnology and Environmental studies. Globally alert, the Departments of Economics and Commerce have of late sent a letter of suggestions to the World Trade Organization (WTO) Secretary General for improving the WTO regulations. The UN body has responded positively to the suggestions and has promised to incorporate and execute them.

The motto and the mission/vision statements of the College proclaim the catholicity of the institution. The two murals inside our half a century old auditorium amply illustrate our priorities. Admissions and appointments are never denied in the name of caste, creed or sex. Ours is a two - pronged approach towards education. The programmes of the College are designed to develop our Departments into research centres of international standards. All the same, the programmes simultaneously address the specific practical needs of the community and the country. A few of our teachers have been allotted research projects worth Rs 60, 92,900 by various agencies.

The numerous awards and endowments instituted by the various Departments, the Parent Teacher Association (PTA), the Student Welfare Trust (SWT) and the Staff Co-operative Society have contributed to stimulating the academic climate in the campus. The Vincent De Paul Society with its succour to the economically challenged and its offer of free computer education to a few, all with funds mobilized from the staff, has been an active presence for years. With the firm conviction that increased access to higher education is also a part of nation building, we allow at least 1000 students to reap the benefits of distance learning offered by Indira Gandhi National Open University (IGNOU), Bharatiyar University and the Central University of Pondicherry.

The College keeps the campus open to the local community during morning and evening and the campus thus turns into a sports and games village. Thus even as it excels in sports and games as has been proved by the champion status it achieved twice in the University, it has been able to create a sports culture and health consciousness in this part of the state. It has a health centre dedicated to the local community.

S.H. can confidently stake claim to being among the most technology savvy campuses in this part of the country. What began with interdepartmental intercoms and photocopiers two decades ago has now turned into a fully networked campus

where certain regions have become wi-fi. PG students can access the net from their classrooms free of charge. Pedagogical accessories like LCDs have become the order of the day. The new state of the art computer cum Language Lab with 60 systems and the separate Departmental computer centres with a combined strength of 110 Systems have made the campus fully IT enabled. No wonder our College has become a centre for TOEFL online exams in Kerala. Recently we set up a studio with a movie camera and computerized editing facility with final cut pro software.

We are keeping ourselves tuned to everyday developments in the general employment environment and effecting changes in our training strategy. Raising the employability quotient of the student is on our core agenda and we have devised a few programmes to enhance the confidence level of our students. The Basic Maths Learning Programme (BMLP) offered by the Maths Department, the Project EngPower (PEP) initiative by the Department of English, the free coaching in English Language skills offered to NCC cadets, the various courses offered by the Computer Centre and the add-on courses offered by the science Departments are meant to serve this goal. With the goal of global employability, which calls for core competencies as well as multiple capabilities, the College has signed MOUs with the British Council, ETS (Educational Testing Service) for TOEFL, the Genome project, CCMB, FACT, KRL, HCC and HIL and a few other agencies. The Get Yourself Motivated (GYM) and the Get First Programme are meant to enhance the career preparedness of the campus. In addition to the Career Guidance Centre we have a Placement Cell, which oversees and liaises with campus recruiters. PROGEON, GOOGLE, HSBC, HDFC, and GENPACT are some of the top firms that visit the College.

In addition to the sound value system, which has got embedded in the campus ethos of our institution, we have tutorial sessions for direct teacher student interaction. Further we have regular initiation lectures, legal awareness classes and pro-life lectures that give opportunities to students to interact with people who have made outstanding contributions to different disciplines.

The race for excellence has no finishing point. The philosophy of continuous improvement and the concept of excellence have guided the College from the very beginning. Thanks to the NAAC stipulation, we have an Internal Quality Assurance Cell (IQAC) in place. The IQAC enjoys the wholehearted support of the management and the College council. The IQAC has been allotted an office. A paid joint co-ordinator has been appointed to ensure the smooth functioning of the body. The cell serves the functions of monitoring, facilitating and assuring quality. The

cell hopes to put in a flawless mechanism for total quality management. The cell would audit all the academic and extra academic programmes. It would harness all the resources of the College, including human resources. The IQAC will grow into a full-fledged body to ensure that every Department becomes a centre of excellence imparting quality education.

B) Criterion-Wise Analysis

Criterion I: Curricular Aspects

Goal Orientation

Motto

The College motto “COR RECTUM INQUIRIT SCIENTIAM” means ‘A Righteous Heart Seeks after Wisdom.

The Sacred Heart of Jesus, the College’s hallowed insignia symbolizes a passionate love and unending compassion for humanity. Every student, while aspiring for academic goals, should possess a burning desire for true wisdom and consuming love for fellow human beings. With a perceptive moulding of the head and heart, the student should be able not only to sail safely through the troubled waters of the ocean of life - samsara sagara - courageously and confidently, but also ascend the academic summits armoured with abiding values.

Vision

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

Mission

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.

Goals and objectives: To be true to the vision of the CMI missionaries, the founding fathers, to effect the integral formation of the human person, to fashion an enlightened society with just, moral, spiritual bearings and Christian ideals, the College passionately pursues the creation of a conducive ambience aimed at concretizing the declared goals. The College motto enshrines the spiritual core of the institution.

At a mundane level, we help our students, who hail from a broad spectrum of social strata - backward, urban, semi-urban, north Indian - to understand the deeper links between freedom and discipline, independence and interdependence, commitment to self and to others, as well as aspire for success in life cemented by fundamental humanistic values. The institution ensures that the evolution of a scientific temper and academic expertise in analysis and execution shall not enfeeble the moral fibre of our students.

Our institution strives for the physical and mental well-being, intellectual competence, aesthetic refinement, spiritual maturity and moral uprightness of all under our care. Parallel to the intellectual pursuits, the creation of a just society respecting the individual dignity, nurturing secular values and religious harmony and reaching out to the needy without any discrimination, predicate our institutional ethos. We want our students to be champions of truth, love, justice and peace even as they fulfill their academic aspirations.

The goals and objectives of our College are made available to the stakeholders in a variety of ways. The rich legacy of our institution and its immense goodwill among the public make this task quite easy. The media space our College commands effortlessly ensures our special presence in the public eye. For our more specific stakeholders, ie, the students and their parents, we conduct periodic open houses for evaluation and analysis. The first day in the campus for the freshers is replete with prayer meetings, sessions for students and their parents, addresses by the Principal and experts, highlighting the Christian and humanistic ideals that the institution vouches for.

The vibrant PTA sessions, the Departmental open houses, the mandatory year-wise awareness sessions, the annual renewal/orientation programmes, regular tutorials, Counselling Centre's sessions, the family fest-**Heartifest**, the College handbook, the College website etc spell out and reinforce the goals and objectives. Our goals and objectives cover the entire gamut of a students' latent potential. In addition to the rigorous and unhampered academic schedules substantially contributing to the

intellectual formation, our students benefit from gainful involvement in a plethora of activities.

The cause of social justice is promoted by old-age home visits, “fast-a-meal and feast-a Grandpa” programme, generous tsunami-contribution, visit to Anapandam (tribal colony), the numerous NSS humanitarian initiatives, identification and upliftment of BPL homes in Maradu - **Janaparvam**, Youth Red Cross voluntary blood donation, dress donation, voluntary tuitions for weak students, NCC (Naval) initiative - **Paradigm** - for supplying medicines, providing succour to the aged in Old Age Homes, **Genome Foundation’s** identification of the College as a resource centre, NCC cycle rally against plastics and for the promotion of organic farming etc. Many a financially and socially disadvantaged receives timely assistance and even waivers, as well as enjoys free meals. Equity is maintained judiciously through absolute impartiality and scrupulous avoidance of any discrimination. Periodic soft-skill development programmes, personality development sessions, GD sessions and interviews are also arranged as para-academic activities.

The Placement Cell arranges for interviews, tests, GDs, workshops and employment literature for facilitating high-calibre human resource development. The ecology - environment awareness reflects in the assiduously preserved clean and green campus. Classroom beautification, plastic-free campus drive, the waste-disposal campaigns etc have sprung up from this collective eco-friendly culture. A massive **Rain Water Harvesting Scheme** and **Mangrove Conservation Project** got high-decibel media attention and won the All Kerala **Palathulli Puraskaram**. **Mithradam** non-conventional energy centre, a German collaboration and an annexe of the Physics Department, goes a long way in finding alternatives to the fast depleting energy sources.

The Economics Department initiative for the BPL families in the Maradu Panchayat -**Janaparvam** - is the latest venture in the College’s concern for community-national development. Recruitment drives, Food processing and preservation, Tissue Culture Techniques, Electronic and Electrical Equipment Maintenance, Mushroom Cultivation Training, artistic and soft-skill workshops, intercollegiate competitions, students’ organizational initiatives etc provide the multi-layered platform for self-development. Orientation programmes for UG and PG students specifically address the issues linked to a value-based approach to life. The tutorial sessions too connect the students more closely to individual and social values and to their positive impact.

The entire faculty has become IT enabled and ICT has empowered the student community also. Internet facilities are available for the students, and they are already using them for seminars, projects, presentations and assignments. The Computer Centre, in addition to routine courses, adds to the ICT transition through various certificate/diploma programmes for the students. The academic and administrative arenas are digitally networked. The website is upgraded in pace with the recent technological advancements. The academic programme/para-academic programmes are geared to the institutional goals. The prime focus of our institution to fashion our students as holistic, integrated personalities, is served by the various curricular, outreach initiatives such as adoption of Maradu BPL families, ICT enabled PG classes, self-designed BMLP - Basic Mathematical Learning Programme, VLC - Virtual Learning Centre, PEP - Project Eng Power for strengthening the English Language skills, DLS for PG classes, CDS - Course Design Studio and wi-fiiing and networking the entire campus. These facilities are made available partly by the CPE funding. All these effectively supplement our major routine institutional initiatives.

Curriculum Development: Even though affiliated to the MG university, the College has maximized its potential for curriculum development through a series of innovative courses, restructured course contents, add-on certificate/diploma programmes etc. The recent spurt in career-oriented courses such as BA English Copy Editor 1998, BSc Industrial Chemistry 1997, BSc Computer Application 2002, PG Diploma in Aquaculture 2000, MSc Aquaculture 2005 brought forth our faculty's course syllabus design skill. Now about 50% of the courses cater directly to vocational orientation. Mushroom Cultivation, Tissue Culture, Electronic and Electrical Equipment Maintenance, Food-Processing and Preservation courses are the other instances where the interdisciplinary syllabi and course contents are formulated by our faculty, as per the UGC guidelines and professional expertise. These courses offer vocational training and promote community orientation.

There are 7 PG and 5 UG Boards of Studies members since the year 2000 (See **appendix I**). In line with global trends in higher education and thrust on national development, the faculty formulates views and suggestions through inter-faculty seminars and workshops, seeking the University's intervention in syllabus restructuring. The English syllabus restructure workshop involving faculty from other Colleges, the Hindi Department seminar on restructured syllabus, the Botany Department's syllabus restructure workshop, and Mathematics Department's syllabus restructure workshop for both PG and UG were geared to this purpose.

The entire course curriculum for PG Diploma in Computer Application - levels I, II and III - has been designed by our faculty. Similarly, our faculty framed the syllabi for Tissue Culture, Mushroom Cultivation and Food Processing and Preservation. The PG Diploma in Aquaculture has now, with an upgraded syllabus, been converted to a PG MSc, with its links with CMFRI, CIFT, MPEDA and fish processing factories. The six Research Centres engage in knowledge enhancement in specific areas inviting even international attention. **The Semester Around the World Programme** for foreign nationals - credit based - is conceived and executed with the involvement of our faculty. The credits we award are transferred to and accepted by the Notre Dame University and St. Mary's College, USA.

The **Janaparvam** project aimed at qualitative uplift of 100 BPL families in Maradu is a commendable venture where our faculty and students are engaged in social engineering. The Hindi Department is assiduously promoting the cause of the National Language, and was honoured four times for maximum participation in the Pre-Test Examination conducted by Dakshin Bharat Hindi Prachar Sabha for the students of MG University.

The UGC COSIP has evinced enthusiastic response from the students. CAP (Chemistry Awareness Programme) undertakes to equip neighbouring school students with the fundamentals of Chemistry. The Mangrove Conservation in Nettoor Village by the College has been widely acknowledged as a great eco-friendly mission. The WTO has duly acknowledged the creative suggestions made vis-à-vis the UNCTAD workshop on "Issues and Challenges for India" held in our College.

On the environmental front, our faculty member, Dr C.M. Joy has been doing tremendous work as an activist and consultant for river protection. He is currently a Working Group Member of the Kerala State Planning Board for environment related issues. Dr P.A. Sebastian of the Zoology Department is an internationally renowned arachnologist. Our NCC (Naval and Army) regularly sends cadets for Republic Day parade and Independence Day as well as represents India in Singapore through YEP (Youth Exchange Programme). The UGC undergraduate programmes for BSc Computer Application, BCom Computer Application and BSc Industrial Chemistry are vocationalized and career-oriented. Every Department has a computer with internet facility. Dr M. George, Chemistry faculty, has designed 3-D animation software for degree students in Chemistry Fundamentals.

The College organizes the **Semester Around the World Programme** for the students of St. Marys College and Notre Dame University, Indiana, USA. Five

batches of foreign students have availed this international study exchange in the past seven years.

Our students too were involved to a certain extent in the Curriculum Development in the Workshop on syllabus restructure for Model - II Vocational English Copy Editor. Students' creative suggestions have been incorporated in the recommendations to the university. Many modifications are made in the teacher-learner interface on the basis of inputs from our students after their on-the-job practical encounters. Our alumni are invited for workshops and seminars for updating and modifying the existing syllabus. Cochin being a commercial hub with many employment avenues, special emphasis is given to the employability quotient of our students.

Our faculty's academic inputs especially that of the Boards of Studies members have gone a long way in the University's syllabus restructure initiatives. Since the College runs on affiliated pattern, CBCS system is unavailable. However, semester pattern with internal assessments have been in practice since 2000-01 in Postgraduate and some other courses.

The entire campus is wi-fi/cable networked. Each PG class is provided with digital learning system. The VLC avails of the net-access, DELNET and other learning application software for the students. Vocational, career-oriented courses such as BA English Copy Editor, BSc Industrial Chemistry, BSc Computer Application, BCom Computer Application as well as add-on certificate/diploma courses in Computer arise from the global demands. Multi-disciplinary add-on courses compensate for the University's lack of flexibility in granting innovative programmes. Tissue Culture, Food Processing and Preservation, Electronic and Electrical Equipment Maintenance also emerge from a felt industrial demand.

The Placement Cell arranges for many multi-national agencies such as Google, Infosys Technologies, PROGEON, HSBC, GENPACT and HDFC for recruitment. Project Eng- Power (PEP), Career Guidance Cell and Career-Bay and BMLP engage in rigorous training to improve the employability quotient of all our students. The entire faculty is IT enabled. For students PGDCA, e-commerce, DOEACC O' level, free net-access and DELNET facility are offered. Computer literacy education is available for students through ICT.

Janaparvam rural uplift programme, Anapandam tribal interaction programme, modular level I, II and III courses, COSIP, CAP, DCP (Digital Courseware Production), DLC Studio (Digital Learning Centre) Paradigm (NCC humanitarian initiative) NCC representations in Republic, Independence Days, Genome

Foundation Resource mobilization, Mangrove Conservation at Nettoor etc are eloquent testimonials to our urge for national development. During the Tsunami crisis, generous contributions and visits to the affected areas brought forth the tremendous humanitarian impulse of our campus. The NSS unit has constructed homes for the homeless. The College organized many national events such as the National Athletic Meet, National Judo Championship, and National Federation Cup.

The Oriental Languages Department is associated with National Literacy Mission. The entire faculty has been collaborating routinely in the general - local body elections as Presiding officers, polling officers etc. The Youth Red Cross has organized various Blood Donation camps with wholehearted response from students.

Swasti (Sacred Heart Women's Association for Service, Truth and Integration) organizes seminars, workshops highlighting women's issues. The Malayala Manorama award for Palathulli Puraskaram has been a memorable milestone in rainwater harvesting endeavours of the College, a pioneering attempt in the state for water resources conservation as well as creation of awareness.

Our faculty in various Boards of Studies advises the University in curricular restructure. Five workshops, participated by faculty/delegates from various Colleges on syllabus restructuring, were conducted and recommendations sent to the University. They were:

- | | |
|----------------------------|----------------------|
| 1) UG Model - II (English) | 2) PG (Botany) |
| 3) UG Model - I (Hindi) | 4) UG and PG (Maths) |

Add-on and Certificate/Diploma/Degree Courses' syllabi were designed and executed in accordance with the University/UGC specification. They are: Tissue Culture, Electrical and Electronic Equipment Maintenance, Food Processing and Preservation, PGDAC (Post Graduate Diploma in Aquaculture) and MSc Aquaculture. A few certificate/diploma courses to promote computer learning are entirely designed and executed by the faculty. They are: PGDCA, e-Commerce, Modular courses level I, II and III. We have inter-disciplinary options in the above-mentioned courses.

Whereas Programmes such as COSIP, CAP, Project EngPower (PEP), Swasti, NSS, NCC (Army and Naval), BMLP, VLC, GYM, Get First zoom in on developing the socio-intellectual skills of our students, career-oriented vocational courses such as BA English Copy Editor, BSc Computer Application, BCom Computer Application, BSc. Industrial Chemistry and add-on courses such as Tissue Culture,

Electrical and Electronic Equipment Maintenance, Food Processing and Preservation, DTP, DOEACC O' Level offer specific career training. Various community-village uplift programmes such as Anapandam tribal interaction programme, Janaparvam, Mangrove conservation, Tsunami contributions, Chikun Gunia awareness campaign give thrust to community orientation.

All the Science disciplines revolve around learning with practical and work experience. The Vocational Model-II BA English Copy Editor and MSc Aquaculture incorporate on-the-job training and professional apprenticeship. 70% of all the regular courses and add-on programmes focus on practical learning. The College has on offer various platforms (Also see **criterion-V**) for the multiple skill development of our students. Computer facility is made available to our students freely.

Value-education, a prime concern of the institution is expedited through:

Tutorial sessions, student counselling, annual renewal programmes for staff and students, periodic personality development sessions; seminars for students; value - oriented prayer sessions; musical ministry by AICUF, special value-based session for women and legal awareness sessions for all.

The various club activities nurture the diverse talent pool in the campus. Visits to old age homes and orphanages, food packet distribution (Love and Care - AICUF) Fast a Meal, batch-wise orientation sessions, classroom beautification, fast learners teaching slow learners - are some of the fascinating facets of our students' altruistic impulse. Hrdaya-Sargasangamam, Alumni meet, Heartifest, Chemifest, Zero day, Flora fest, Homecoming, Sports fest, Associations meet, and Quiz competitions etc are some of the other campus moments when team- spirit, camaraderie and creativity come to the fore.

The NSS units are actively involved in various social and humanitarian endeavours. The **Sargapadham** - a literary pentathlon - an inter-collegiate competition, organized by the College - a regular annual event for the past 10 years, commences with a seminar on the most relevant contemporary socio - political debates involving experts. Indeed, the seminar imparts the students with the seminal impetus for social sensitivity. The **Heartifest** is another cultural event symbolizing the fraternal spirit and family feeling of the entire campus.

All the out-reach programmes and days of public festivities such as Keralapiravi are celebrated with the students' involvement and enthusiasm .The organizational skills

and event management potentials are exhibited in ample measure in the inter-collegiate cultural festival organized by the students - **Tandav -'06**.

'Fast a meal and feast a Grandpa', blood donation on demand, tsunami contributions, free tuitions by students - all reflect the human side of our student body.

Programme Option

Degree/Certificate/Diploma	Subject
PhD	Research Programme in Physics
PhD	Research Programme in Chemistry
PhD	Research Programme in Botany
PhD	Research Programme in Zoology
PhD	Research Programme in Economics
PhD	Research Programme in Commerce
MA	English Language and Literature
MA	Economics
M Com	Commerce
MSc	Botany
MSc	Mathematics
MSc	Physics
MSc	Chemistry
MSc	Applied Chemistry - Pharmaceutical
MSc	Zoology
MSc	Aquaculture and Fish Processing
BA	English Copy Editor (vocational)
BA	Economics
BA	Sociology
BCom	Commerce - Taxation
BCom	Computer Application
BSc	Chemistry
BSc	Industrial Chemistry
BSc	Botany
BSc	Zoology
BSc	Physics
BSc	Mathematics
BSc	Computer Application

PGDCA	Post Graduate Diploma in Computer Application
DCA	Diploma
O' Level	Certificate- DOEACC
Short Term Courses	Packages & Languages
Vacation Courses	Packages & Languages
Level I	Certificate
Level II	Certificate
Level III	Certificate

- Refresher Courses, Orientation Programmes, FIP etc for faculty (See **Appendix II and III**).
- Computer Literacy, Library, Club, Digital Learning Resources, internet
- Semester Around the World Programme
- DELNET
- Educational Package
- O'level, wi-fi, net-facility, CDs
- Self-Financing Programmes

Academic Flexibility: The College has always made consistent effort to overcome the academic rigidity of the affiliated system. The self-financing courses and add-on courses were serious initiatives in this direction. Our proposed Sacred Heart Institute of Management and Technology envisions academic curricula with maximum elective options and flexible combinations.

Feedback: The College has a regular feedback mechanism, which ensures an evaluation of its performance by all stakeholders. Teachers collect assessments by students. Parents vent their opinion during the open sessions after each sessional exam. The social conducted at the end of every academic programme is an important occasion for the institution to collect feedback about the academic programme as well as the institution. The PTA executive meets every month to monitor the College's functioning and to render advice. The alumni of the College often give the institution its much required feedback.

We seek feedback from our clientele – the several organizations that visit our campus for recruitment annually. Their comments, often boosting, have enriched our confidence and their suggestions have prodded us to start initiatives like the PEP, BMLP, the VLC and the add-on courses. The clubs too have been conceived as alternate learning avenues.

Our website has a feedback page for the use of the students and the public. Of late, a website started by the S H college former student community (www.orchkut.com) gives regular feedback and rating of the teaching faculty. The feedback we obtain from the different sections of our stakeholders like students, alumni, community, employers, academic peers, industry is discussed in our college council, staff meeting and Departmental meetings. The important suggestions with regard to the curricular aspects are promptly communicated to the University through the Boards of Studies members of our college.

Major Syllabus Revisions

- 1 All the UG and PG courses have undergone major syllabus restructuring after 2000 on the basis of UGC model and guidelines.
- 2 Internal assessments have been introduced for all courses.
- 3 All the PG courses have been semesterized
- 4 All the PG courses have introduced new electives.
- 5 The syllabi for all PG and UG courses have been updated and made contemporary.

Steps Taken on the Main Evaluative observations made in the First Assessment Report.

- 1 **English and Mathematics training for all students:** As suggested in the NAAC Peer team report the English Department started Project EngPower (PEP) to impart training in communicative English and grammar. The Mathematics Department started Basic Mathematics Learning Programme (BMLP) to equip all the students in basic mathematics.
- 2 **Autonomy:** Autonomy depends on the initiative and policy decision of the state government. However, the college has been striving to achieve the quality and status of an autonomous institution. The UGC has recognized the institution as a **College with Potential for Excellence.**
- 3 **Research Publications:** The number of PhDs has more than doubled in the last five years. The faculty has published 32 articles in international journals, 58 articles in national journals and 16 abstracts. The teachers have authored 10 books and edited 5 books.
- 4 **Innovations in Teaching-Learning Process:** Seminar and projects have been introduced at the UG and PG levels. Teaching has been ICT enabled. Various Departments have conducted syllabi restructuring workshops attended by delegates from different institutions.
- 5 **Vibrant Language Departments:** The Departments of Hindi, Malayalam and Sanskrit are in the forefront of all cultural activities in the college. Celebrations

in connection with Hindi Week and Kerala Piravi not only create awareness but also help the students in balancing 'Desi' and 'Margi' perspectives. The Oriental Languages Department is ICT supported and the Department is in charge of the campus newsletter **Heart Beats**.

- 6 **Centralised Information Dissemination:** Wi-fi/cable networking of the entire campus has given us the confidence to pool in the resources of the CMI educational institutions in Kochi by going for a centralised information dissemination centre.
- 7 **New Courses:** MSc Aquaculture, BSc Computer Applications, BCom Computer Applications have been started. The newly introduced add-on courses offer training in Electronics and Electrical Equipment Maintenance, Food Processing and Preservation, and Tissue Culture.

Steps Taken for Quality Sustenance and Quality Enhancement

- 1 Regular evaluation and assessment of the students at the end of every term, which is followed by open houses and parent teacher interaction.
- 2 ICT enabled teaching; networking and browsing facilities have made the campus digital friendly.
- 3 Field visits and supervised study tours for enhancing the learning resources.
- 4 On-the-job training for certain vocational courses.
- 5 Remedial classes.
- 6 Workshops and seminars conducted by various Departments.
- 7 Invited lectures.

Best Practices in Curricular Aspects Planned/Implemented

- 1 Networked Campus
- 2 Free internet access to students and teachers.
- 3 Transparent internal evaluation system.
- 4 Invited lectures in different disciplines for updating the students and the faculty.
- 5 Memorial lectures, quizzes and talks.
- 6 National level seminars and workshops
- 7 Career Guidance Centre
- 8 Counselling Centre.
- 9 IQAC
- 10 Active Departmental associations
- 11 100 awards and scholarships.
- 12 Campaign against drugs, cola, plastics etc.

- 13 Para – learning supports
- 14 Common instrumentation centre.
- 15 Virtual Learning Centre.
- 16 Language lab
- 17 Digital editing studio.
- 18 New research divisions.
- 19 Community projects – Janaparvam and Mangrove conservation.
- 20 Enhanced sports facilities.

Criterion II: Teaching-Learning and Evaluation

Admission process: Admission to various courses is based strictly on clear norms laid down by the University and the Government. 50% of the seats are filled purely on the basis of merit. 10% of the seats are set apart for students belonging to Syrian Catholic Community and admission is on the basis of inter se merit. 20% of the total number of seats is reserved for students belonging to SC/ST categories. The remaining 20% of the seats will be filled by Management's choice. In almost all the batches both at the UG and PG level women outnumber men. Athletes and sports persons are not only given admission, they are provided with all the additional support they need. The College also gives admission to the handicapped students and supports them in their academic and non – academic matters.

The demand ratio (DR) of the College is very high on an average. DR for all courses during the last academic year was 6:1. Demand ratio in the case of UG and PG courses was 6:1 and 7:1 respectively. The same for self-financing courses was as follows; 7:1 for BSc. (C.A) 4:1 for BCom (C.A) and 2:1 for Aquaculture. We do get applications from far off places and outside the state, such as Lakshadweep.

Catering to Diverse Needs: In the initial weeks students are given a chance by all the Departments of the College to express themselves in the classroom individually and teachers make a preliminary assessment. At the time of admission/interview itself a list of students with proficiency in extracurricular activities is prepared and they are groomed accordingly. The various clubs and associations familiarize the newcomers with their activities and motivate them to join anyone of them. The freshers' day programme is another occasion for identifying and assessing their skills. The bio-data provided along with the application form also helps the teachers to assess the standard and expectations of the students.

Departments of English and Economics conduct Bridge Courses for the students who face difficulties in learning. Chemistry Department organizes a programme

called CAP for Plus-Two students in the neighbouring schools mainly to create interest in Science. PTA-SWT (Student Welfare Trust) of the College gives financial help to the deserving members of the disadvantaged community. In addition to this, the College offers the following facilities also:

Medical assistance to the economically weaker students; leadership training to girl students; legal awareness classes; vocational training like mushroom cultivation, soap making, umbrella making enabling them to 'earn while they learn'; free medical examination; self defense training for women; AIDS awareness programme; pro-life programme; net-training; soft-skill development; GYM - Get Yourself Motivated; seminars, workshops; Civil Service coaching; club activities; inter-collegiate competitions; representing university in culturals/sports; NCC parades, YEP (Youth Exchange Programmes) international exposure; news letters, magazines, short films -by students.

Teaching – Learning Process: The handbook, prepared by a committee, distributed at the beginning of the year gives guidance to students in matters relating to the academic programmes and courses, scheme for internal evaluation, College rules, curricular activities, extension services etc. It serves the purpose of an academic calendar and academic planner with annual modifications and improvements. The brochures and the College prospectus also serve as guidelines for the potential stakeholders.

At the beginning of the academic year, the syllabus is divided into various modules. Teachers are given instructions for the completion of each module within the stipulated time. Evaluation and assessment of the students is done on completion of each module. Two internal examinations are conducted in each subject and the progress report is analyzed in the presence of the parents. We conduct seminars, group discussions, quiz, paper presentations, field visits and supervised study tours to enhance the learning process. We also conduct nature study, species identification, and flora and fauna classification. Students sometimes engage classes as well as give free tuitions. Fast - learners teach slow - learners. Net and audiovisual facilities enhance and enrich the teaching-learning process. Speakers' forum debates, lectures by visiting faculty, Budget analysis, VLC, Lecture series etc supplement the routine classroom teaching. Our students' stints as TV anchors, Talk show hosts, and Newsreaders contribute to the overall capability and confidence level. Exhibitions, Aqua food fest, Laurels in the International Aqua show are testimonials of our students' versatility. Visits to factories and research institutes are also promoted. On-the-job training is an important component of vocational

courses. The College was selected for UGC - COSIP during 2001-02. The programmes organized under this were intended to promote teaching-learning process. The workshop on innovative projects for Physics students was highly inspiring and it gave a fresh impetus to the inventive ingenuity among the students.

Under COSIP, Botany Department organized an inter-collegiate training programme on mushroom cultivation. This programme enabled the students to link classroom learning with practical life. The multi-species ornamental fish hatchery (Aquaculture), replenished periodically serves as an aid to study as well as practical training. Net access, audio-visual aids, digitalizing and DELNET facility have contributed to transform the dominantly lecture oriented teaching procedures.

How learning is made student-centred: Since the last accreditation, the teaching-learning process in the campus has undergone radical changes. It was mainly the shift from the conventional classroom lecture method to student-centred, gadget-assisted techniques. Class tests, assignments, seminars, group discussions, audiovisual net-based learning, CAP etc make conventional learning more interactive and productive. Free internet, DELNET, education softwares, VLC etc augment the class room lectures. Teaching with the help of LCD projector, and OHP has brought about a qualitative change in the classroom situation. Most of these modifications have been made, thanks to CPE – UGC.

For effective teaching, learning and evaluation the College has introduced the following schemes:

Interactive Sessions: The regularly conducted open houses and renewal programmes help mould the total personality of our students. In these sessions students, parents and teachers sit together and discuss the specific problems faced by each student and arrive at solution for better performance of the learner.

Tutorial System: We have introduced the tutorial system as envisaged by the UGC to improve the rapport between students and teachers. A teacher is given charge of 25 students and he maintains a detailed record of the academic and personal life of each student. The teacher in charge of the group plays the role of a mentor. These teachers direct those who require professional assistance to the qualified counsellor. Periodic value-based discussions, tutorial handouts for personality analysis, along with renewal programmes reinforce the goals of the tutorial system.

Counselling: A Counselling Centre is functioning quite effectively in the College. Besides, there is provision for personal counselling under the tutorial programme.

There is one tutorial session for students every month. Special coaching sessions are arranged for SC and ST students. Slow learners are taken care of by the concerned mentor.

Special Events: Programmes such as Zoo-fest, Physi-fest, Chemi-fest, Flora-fest, Aqua fest, Socio-fest, Cross-winds Sports-fest, Homecoming, Zero -day etc. help the students learn more and widen the horizons of their awareness. Sargapadham, Heartifest, Hrdya Sargasangamam, Tandav exemplify the team spirit and organizational skills of our students.

Initiation Programmes: The College conducts initiation programmes for the freshers. The Principal gives the students an idea about the activities, learning resources and infrastructural facilities of the College. They are also informed of the internal assessment system, the rules and regulations etc. Renewal programmes are conducted for the senior students every year. Eminent educationalists/counsellors handle classes on various topics of relevance.

Updating Knowledge: Seminars, workshops and orientation programmes are conducted by the institution for faculty improvement. The faculty keeps pace with the frontier topics through the extensive use of library resources like advanced textbooks, journals, and internet. The College also sends the faculty members to attend seminars and workshops, to present papers, to give lectures in various institutions at the university, state, national and international levels (See **appendix IV, V and VI**) Ample recreational facilities like picnics, dinners etc are sponsored by the institution.

College Libraries: General and Departmental

The general library has a collection of 71770 books and 53 journals besides a number of magazines and periodicals. The library has open stack access. The seating arrangements aid focused learning. The separate reading cubicles (192) with proper lighting make reading a pleasure. There is a computerized book search facility and sophisticated reprographic centre. A prize is awarded to the student who reads the maximum number of books. CPE has helped in the purchase of books worth Rs 5 lakhs. A suggestion box is available. The Library Committee monitors the library's functioning. Since last accreditation 7628 titles have been added. The library will remain open from 9 am to 5 pm on all working days. The general library is computerized with internet facility. Bar code and scanner facilities are new additions to the library. Each Department has a book selection committee. It is on the basis of their recommendations that new books on various subjects are

purchased and added to the library. Students make good use of the library during free class hours.

In addition to the central library there are three Department libraries. The Zoology, Economics and English Department libraries facilitate easy access to books on specific subjects to the staff and PG students of the College.

There is a Library Club working very efficiently promoting reading habit among the students. Freshers are given training in the library procedures. Students from other Colleges also make use of our library. Economics PG students are supplied with the **Economic Times** at subsidized rates vis-à-vis a tie up with that firm. The library functions on all days except public holidays and Sundays. Members of the club do voluntary work in the library like helping the staff arrange the books properly etc. The College has instituted two awards for students who read the maximum number of books during an academic year. On an average 15 faculty members and 450 students visit the library every day.

Teacher Quality: The total sanctioned staff strength of our College is 79, out of which 76 are filled (See **appendix VII**). The vacant posts are filled by Guest faculty. In addition, the management has appointed 41 teachers on contract basis. Strictly adhering to the selection rules laid down by the state government and the university, the College selects teachers on the basis of competency in teaching and qualification. It does not discriminate the candidates on any other basis. The College has enough number of qualified and competent teachers to handle all the courses. At present there is one teacher for every 16 students. In the case of self-financing and career oriented courses, qualified lecturers are appointed on contract basis. Visiting faculty from industry, research institutes and other universities also supplement the academic work. The number of University Ranks our students secured in the UG and PG examinations during the last five years is indicative of the high academic standards our institution maintains (See **appendix VIII**).

The College has a highly qualified team of teachers on its staff, with about 29% PhD holders and 52.63% M Phil degree holders. 24 teachers of the College availed FIP of the UGC during the period 2000 – 06. 13% of teachers have qualified the UGC/NET examination.

One faculty member from Economics Department has secured MPA in public affairs, University of Minnesota, USA. Two faculty members from Chemistry secured PGDCA after the last NAAC assessment. One faculty member from Commerce Department took LLB and DCA Tally Solution. The teaching faculty has attended 68 refresher courses, 3 orientation courses and 283 workshops and

seminars during 2000-06. 38 members of the faculty attended 106 national seminars and 24 have attended 40 international seminars. Our faculty members have secured 13 PhDs and 11 M Phils after the first NAAC assessment. Nine members of the staff are in the process of completing PhD. 25% of the permanent teachers has served as resource persons in seminars, workshops, refresher courses etc. 59% of the teaching staff has participated in workshops/ seminars held at national and international levels and presented papers during the last five years. Dr C.M. Joy served as UGC observer to UGC/Net examination held at Calicut and Kerala University in 2005 and 2006 respectively. The same member of the staff is actively involved in various environmental issues and is at present the General Secretary of All Kerala River Protection Council and also a Working Group member, Kerala State Planning Board. Dr T.J. James was the Secretary General of Alzheimers and Related Disorders Society of India (ARDSI).

Recognition for Excellence: Teachers who have received national/international recognition; participated in national/international seminars and workshops; presented papers in national/international seminars and workshops. (**appendix IX, IV, V, and VI**)

Evaluation of Teaching: The College has introduced an appraisal mechanism to evaluate the faculty on teaching, research and various institutional programmes. There is a feedback mechanism in place. A committee consisting of the Principal, representatives of the management and the representatives of the faculty has been constituted to evaluate the publications by teachers. Awards have been instituted to honour the best teacher-publisher and best students' service for each academic year (See **appendix X**). Student evaluation proforma, renewal programmes, socials, tutorials and alumni meets also function as evaluation platforms. The performance and progress of every Department of the College is regularly assessed in the staff meeting and monthly PTA meetings.

Evaluation of Learning: As Mahatma Gandhi University has incorporated internal evaluation in affiliated Colleges, in addition to university examination, the teachers in charge of the classes will evaluate every student as per norms issued by the university. The marks awarded to the students in the internal assessment will be forwarded to the University for inclusion in their mark list. The library award for the best reader of books, quiz competitions, students' seminars, assignments, class tests, student social surveys, PTA open houses, honouring rank holder etc provide occasions for evaluation and inspiration.

Evaluation Reforms: The evaluation system of the College has undergone a tremendous change in the last five years after the introduction of the semester system and internal assessment. Internal evaluation results are published. Internal exam co-ordinator liaises between the Departments for the preparation of results sticking to the university guidelines, 25% of the PG and 20% of the UG evaluations are done internally. 40% of the internal marks are allotted for performance in the exams. 20% for attendance, 20% for seminars and the remaining 20% for assignments. Since more than one teacher handles a paper, students are safeguarded against biased or prejudiced evaluation.

Grievance Redressal Mechanism: There is provision for grievance redressal at four levels. Complaints regarding the evaluation should be brought to the notice of the teacher concerned in the first instance. If the student is not satisfied with the decision of the teacher he may appeal to the Departmental Redressal Cell. The student will also have the freedom to make further appeal to College level Grievance Redressal Cell and if he is not satisfied may even appeal to the university level Redressal Cell. The verdict of this apex body will be final. The Ethics committee, the Anti-ragging committee, Vanitha cell, Disciplinary committee, Library committee, Guest feedback and Suggestion box support the College redressal mechanism.

Criterion III: Research, Consultancy and Extension

Research and consultancy are very significant activities in our institution. We have a committee to co-ordinate research activities in the College and to make new research proposals. It can be seen that research activities have improved considerably since the last accreditation by NAAC. At present, six Departments are recognized Research Centres of Mahatma Gandhi University.

22 out of the 76 permanent teachers of the College have PhD. Two teachers are doing Postdoctoral research under FIP. There are 40 M Phil degree holders. 12 teachers are actively engaged in research leading to PhD, out of whom nine members are in the final phase of completing their thesis. Currently seven research projects are underway in the College with an outlay of Rs 26, 11,710. Two Postdoctoral fellows are working in the Departments of Economics and Botany.

Adequate infrastructure facilities are provided to the research Departments. Each research Department has a well-appointed room with net connectivity and other provisions. A common instrumentation centre is set up to house sophisticated instruments required for research. The CPE assistance has been of great utility in

the science research endeavours undertaken by the College. TPC (Technology Promotion Club), paper presentation awards in all streams, seminar on research funding agencies (participated by teachers from many Colleges) do promote the research culture in the campus. Dr George Thomas, Bhatnagar RRL-2006 awardee, was felicitated and his address and interaction with the students was truly inspirational. The library is modernized with digital technology. E-search facilities and DELNET are available in all Departments. A modern air-conditioned conference hall with a seating capacity of 150 has been set up for conducting seminars and symposia. The conference hall has an LCD projector and very advanced light and sound systems.

Teachers without doctoral degrees are motivated to obtain PhDs. For this, they are encouraged to apply for Faculty Improvement Programmes and when one is selected he is given all help by the institution. Encouraged by this, quite a few teachers have seriously pursued it and some have submitted research proposals to the UGC for financial support.

A “best publisher award” is given annually to one faculty member who publishes a book or contributes scholarly articles to leading publications. All postgraduate students have to do a project and submit a dissertation as part of their academic programme. This familiarizes them with research methodology and encourages them to do research in the future.

Research output: As mentioned earlier, there are six Research Centres in the College. Besides our faculty, a few other research guides also collaborate with these centres. This helps in attracting more scholars to the Research Centres in our institution. The Arachnology research centre headed by Dr P.A. Sebastian directly assisted in eradicating the spider menace in Calcutta. 36 species of spiders identified in Mangalavanam led to the preservation of that forest area. The environmental activities of Dr C.M. Joy have fuelled the pollution control efforts of the state government. **Mitradham**, a pioneering renewable energy centre, a German collaboration and research extension of the College is marvelously contributing to the alternate energy resources of the country. This centre under the leadership of Fr Dr George Peter Pittappillil has developed and diversified with various research initiatives involving solar-assisted utilities. The College has undertaken a 10 year project at Maradu panchayat to achieve sustainable development and poverty alleviation.

There are 24 approved Research Guides working in the six Research Departments of the College. (See **appendix XI and XII**)

During the last five years the faculty of the College has undertaken 11 major research projects and 5 minor research projects having a total outlay of Rs 60,92,900. The College also has two self-funded projects. (See **appendix XIII**)

Research Divisions: We have five major research divisions functioning under different Departments in the College. A detailed description of each of these divisions is given in the **Other Units**.

Collaborative Research: The College has the distinction of having tie ups with national and international agencies. Our collaborations include Hohenheim University, Germany; St. Mary's College and Notre Dame University, Indiana, USA; CRL, FACT, IRE, HOC, MPEDA, CMFRI, FC COCHIN, SPICES BOARD etc (See **appendix XIV**).

Awards/Patents: Seven of our faculty members have been recognized at the national and international levels (See **appendix IX**).

Publication output: Our teachers have published articles in refereed journals on a regular basis. Ten books authored by our teachers have been published. 32 articles were published in international journals and 58 in national journals. 10 abstracts also were produced. 11 articles appeared in books. 5 books were edited by our teachers. Besides these many of our teachers contribute articles to popular magazines and dailies and they number more than three hundred.

Research funding: We get financial assistance for research projects from the following government and other autonomous institutions.

- | | | | |
|---------|---------|-----------------|-----------|
| 1. UGC | 2. CDS | 3. Spices Board | 4. KSCSTE |
| 5. ICAR | 6. MOEF | 7. CDART | 8. DST |

The total amount received from various funding agencies during 2000-2006 was **Rs 60,92,900/-**.

Major research facilities: The Research Centres have adequate facilities for first grade research. There are well-equipped labs, sophisticated instruments, computer with internet connection and other infrastructure necessary to provide the right ambience for research work. A **Common Instrumentation Centre** has been set up to house sophisticated equipment.

The Department of Zoology purchased the following

- Trinocular Compound Microscope with digital photographic attachment (Leica. DME)
- UV visible spectrophotometer (Shanidzce – Japan)
- Water analyzer (WTW-Germany)
- Electrophoretic unit with uv trascilluraicator (Biotech Yercard)
- Multimedia computers (Seven Number)
- PCR (Polymerase Chain Reaction) apparatus (Germany)
- Electronic balance (Shimadzu) Japan

Department of Botany added the following equipment to the Research Centre

- a. Advanced research trinocular microscope with infinity corrected full plan objectives 4x, 10x, 40x, 100x, oil immersion and 20 mm wide field eyepiece - 1 no.
- b. Stereo zoom trinocular microscope – long working Dist. 87 mm. Built in illumination, trinocular zoom pod, focusable eye piece etc - 1 no
- c. High resolution Digital camera with microphotographic adaptor - 1 no
- d. Top loading Balance, 300 gm capacity, 0.01 gm readability, 118 pan size, LCD display with power supply - 2 nos
- e. Compact scales balance, 200 gm capacity, 0.01 gm readability. LCD display with power supply – 2 nos
- f. Laminar Air Flow Chamber Horizontal with static pressure manometer, transparent front door, built in UV light and gas cock basic unit with stainless steel 3' X 2'-1 no
- g. Student microscope. 100 x 600X, 100 x 100 mm, Triple hole nose piece, coarse and fine focusing knobs, eye piece 10X & 15 X, Objective 10X & 40 X Built in stage, Plano concave mirror – 18 nos
- h. Refrigerator 210 lit. Double door
- i. Spectrophotometer Single beam of light, C-T 1200 line/mm holographic grating, 10nm spectral bandwidth, 335-1000nm WL, WL accuracy 2nm, LED display of transmittance, absorbance, concentration, WL - 1 no
- j. Colorimeter (microprocessor based) Broad spectrum LED, fully stabilized, 8 hermetically sealed gelatin filters covering the visible spectrum - 1 no

Department of Chemistry

- | | | | |
|---------------------------------|--------|------------------------------------|------|
| 1. Electronic balance - 4 digit | 1 Nos. | 2. Electronic balance - 3 digits - | 4 |
| | | | Nos. |
| 3. Refractometre | 1 | 4. Oven | 1 |
| 5 Fume hood | 1 | 6. Autoclave | 1 |

7 Microscope

6

We subscribe to 52 Indian journals and one international journal for reference. That way the needs of the different Departments for reference material are adequately met. 37 research students are currently registered for PhD. Two Postdoctoral fellows are currently working in the institution. They are Dr M.S. Francis in the Department of Botany and Dr V T Jose in the Department of Economics

Consultancy: Ours is one of those institutions in the country, which has immense intellectual and technical expertise to offer to the industry and the public. The consultancy centre caters to a broad range of specialized areas. Hence the College has opened a consultancy centre offering consultancy in areas such as Translation, Editing, Spoken English, Comparative Literature, Visualization, Company Law, Economic Forecasting, Foreign Trade, Market Research, Secretarial Service, Aquaculture, Algae-identification, Biochemistry, Biological Pest Control, Cyano Bacteria, Endocrinology, Histopathology, Identification of Spiders, Marine Toxicology, Mosquito Control, Organic Chemical Analysis, Electronic Circuits, Renewable Energy, Mass Spectroscopy, Theoretical Physics, Thin films and Sports Management. The Research Committee has already released a Consultancy Registry, which will enable the public to access the various types of expertise available in the College. Although the College offers consultancy and extension service in many areas, there is still more scope for professional consultancy as the College is situated in an industrial city. The Oriental Department of languages also provides translation facilities for Malayalam, Hindi, and Sanskrit to the public and governmental agencies.

Outreach programmes: The College organizes several outreach programmes. Many of them are integrated with the academic curricula. At the same time, these programmes are organized for the welfare and uplift of the neighbourhood. Both the public and the student community gain by these outreach programmes.

Many of our students offer tuitions to school and College-going students. Local people are made aware of health and hygiene and medical checkups and medical camps are arranged. Blood donation is encouraged and quite a large number of our teachers and students donate blood. When there is an emergency call from the hospital, especially for a rare group of blood, our students volunteer to donate. AIDS and chikun gunia awareness programmes help people understand the manner in which they are transmitted.

Protection of the environment and conservation of water are given primary importance. In a state like Kerala, blessed with scenic beauty and plentiful rain it is

a matter of serious concern that people squander the resources and spoil the natural beauty. Awareness programmes, especially to “catch them young” begin at the school level. The depleting mangroves are protected and the College has initiated this programme in collaboration with the Indian Railways.

Visits are arranged to orphanages and old age homes to make the students aware of the less privileged and the marginalized in the society. Visits to tribal colonies give an insight into the ground realities of their existence.

When tsunami wreaked havoc along the coastal region our teachers and students rose to the occasion and rushed to offer help to the victims. Clothes, food, medicines and money were distributed. Our students also helped in the construction of houses for the poor.

Participation in Extension: Mangrove Conservation and Janaparvam are two self-funded research projects as well extension activities of the College. They are discussed in detail in the **Other Units**.

Extension activities

- a. CAP – 2003 (A series of Chemistry awareness programmes for High School and Higher Secondary Students and Teachers through effective use of models and computer techniques developed by the Department of Chemistry. They were also given training in practicals.
- b. Free eye camp – at Cheranelloor – a Village in Ernakulam District – 9th Feb. 2003
10 poor people were helped to undergo cataract operation
- c. Free eye camp – at Kumbalam – a Village in Ernakulam District – Jan. 2001
10 poor people were helped to undergo cataract operation
- d. One day training programme in repairing and making umbrella for the financially weaker women in Nettoor, Ernakulam – Jan 2002.
- e. One day training programme in repairing and making umbrella for the financially weaker women in Podimattam, Kottayam – Oct. 2001.
- f. Free medical camp for children – Health and AIDS awareness programme for women at Kannamaly, Ernakulam. Nov. 1999. – UGC Sponsored.
- f. Nettoor Gramamela – A conscientisation programme on ‘Consumerism’- training in the preparation of soap, jam, baby food etc using indigenous materials-UGC sponsored.

- g. Centre for Aquaculture has been organising food festivals, awareness programmes on aqua-life, short-term culinary courses and exhibitions.
- h. A conscientisation programme for protecting traditional water resources and rivers of Kerala.
- i. SAP – 2000 – DST sponsored for +1, +2 students a weeklong inboard programme.

Activities of the NSS, NCC and YRC find mention in the **Other Units** of this report. Suffice it to say here that the faculty and students are actively involved in the activities of these organizations.

Extension work with under privileged women has helped in empowering them. Programmes on health and hygiene, AIDS awareness and legal awareness were held for them. Underprivileged women were given training in soap making and umbrella making. This has helped some of these women to earn a living or add to their meagre income.

The neighbouring community is much enthused by these activities of the College. Programmes like blood donation, environmental protection, care for the aged, “fast a meal and feast a grandpa” have all been highly appreciated. Rainwater harvesting and plastic free campus programmes have been recognized and rewarded by the public.

Linkages: The institution has many linkages for research and extension activities. Six of them are at the international level and twelve at the national (See **appendix XIV**).

Interaction facilitated through linkage has great impact on curricular development. Innovative methods of teaching and research are brought about through linkages. Faculty exchange programmes available through linkages has enriched the faculty. The infrastructural facilities available through linkages have been a great boon to our researchers.

The institution encourages the research scholars to attend seminars, workshops and conferences on the subjects of their interest at the state, national and international levels. Consultants are given publicity through our institution, the PTA and alumni associations. They are given due recognition for their achievements. Extension service has been given the utmost importance in the past five years. Our premises are declared plastic free and efforts are being made to protect our backwaters.

Criterion IV: Infrastructure and Learning Resources

The process of up-gradation and modernization of infrastructure facilities, which began with the first NAAC visit, gathered momentum from the academic year 2000-2001. Today sustained efforts are made in this direction and a host of infrastructural facilities and advanced equipment have been added to our repertoire. Today the College has the necessary physical infrastructure to meet the demands of the various courses which have been either updated and restructured or are radically novel and vocational.

The College functions in three main blocks, which have around 154 rooms (class rooms/ halls/labs) (See **appendix XV a, b, c, & d**). All the classes have separate rooms, which are well lighted and ventilated. All the requirements like desks and benches, blackboards, platforms and lecterns, lights and fans are met in all the classrooms. The PG classrooms are furnished with chairs with inbuilt writing boards. PG students can access the internet from the networked computers in their class rooms. New classrooms have been provided for all the vocational and self-financing courses.

The Auditorium and Marian Hall are meant for the common programmes of the College like cultural programmes, orientation and training programmes, competitions and even examinations. The auditorium has a seating capacity of 1200 and the Marian Hall can seat 250. The Marian Hall also houses a Virtual Learning Centre (VLC) where students can utilize their free hours in a fruitful manner. The Fr Melesius Hall is a state of the art A/C seminar hall with excellent acoustics and equipped with the latest audiovisual facilities. It can seat 150. Fr. Hadrian A/C conference hall is meant for the official use of the College such as high-level meeting with officers of the university and the Government. It is also used for council meetings and staff selection interviews. The hall is a part of the office complex. The seminar hall on the II Floor can seat 100.

A lot of innovations and structural adjustments were made for the smooth functioning of the institution. A bridge has been set up connecting the main block with the Economics block and Life science block. Pointers have been displayed to give an idea of the lay out of the College to the newcomers. Information office has been brought down from the first floor. Another front office on the ground floor is for fee collection. The Administrative office on the first floor has been modernized. The IQAC has been given an office in a prominent part of the College. Reprographic facilities are available at the library and the College Co-operative Society. LAN links the Principal's office, the libraries, the Departments, and the PG

classes. An MOU has been signed with DELNET. The UG students also have facilities for browsing the net free of charge.

There is running water in all the blocks and on all the floors of the College. Water coolers with purifiers are there on all the floors. The water for washing purpose is drawn from three regular wells and a borewell. For the purpose there are four motors with 3HP, 5HP and 2.5 HP capacities. The Kerala State Electricity Board provides power with the help of a 250 KV transformer installed across the road facing the College. The College has a standby heavy-duty generator (35KV) to power the College when regular supply fails.

The College is within city limits and there are frequent buses connecting the College with the nearest important junction. A good number of students come by their vehicles. Women students of all classes and men students of the PG classes have hostel facilities.

Academic Infrastructure: This section highlights the major academic infrastructure facilities of the College. The UG and PG Departments have been provided with OHPs. The faculty is given full support in making teaching IT aided. They are at liberty to use all the common ICT facilities available in the College. Realizing the daunting challenges before the Department of English, the College has gone for a language laboratory that functions in the computer centre, where the learners can fine-tune their skills in articulation and pronunciation. The College Computer Centre offers PGDCA, DCA, O'level (DOEACC) and other short-term courses for both students and public. Recently the centre became an approved training ground for Tally Accounting package. The centre has been recognized by the Central Govt. and accredited by IGNOU. It is an online TOEFL test centre in Kerala. The Career Bay familiarizes the students with career options in literature and media studies. The Zoology Department maintains the largest and most spectacular museum among the Colleges of Kerala. Established in 1952 it has 2500 specimens on display collected from various parts of India and abroad. There are three full skeletons of which the skeleton of a whale and an elephant are rare exhibits. There are a good number of stuffed mammalian specimens like the kangaroo, platypus and so on. A large number of local fishes and invertebrates add to the rich variety of the museum. The Arachnology Study Centre and the researchers have caught the attention of the National Geographic. The Botany Department has a well-maintained museum with more than 500 exhibits. There are 1800 specimens in the herbarium collection. There are more than 200 rare plants of medicinal and scientific importance in the recently spruced up botanical garden. A

mushroom cultivation centre, a lab for tissue culture and research labs have been added to the Department. The existing labs have been modified and the Department has moved it to a new faculty room. The MSc Physics lab has been set up keeping the new syllabus in mind. A new computer lab has been set up for MSc Physics students. The Chemistry Department has new research labs, a new lab for food processing and preservation and a new store for the labs. A computer lab has come up for Commerce students. A recent addition is a separate reading room for the Commerce students. The PG Economics students make use of the e - learning facility in the Department. The Aquaculture Department has been provided with a new microbiology lab, a new hatchery and a fishpond.

Co-Curricular Infrastructure: The various organizations and clubs make use of the co-curricular infrastructure available in the College. The Speakers' Forum has been giving training in GD, public speaking, debating and it has come forward to prepare students for the Indian Civil Service and other competitive examinations. The balcony of the existing auditorium has all the facilities for GD training. An oval table with advanced audio equipment is provided. The digital movie camera and audio facility would enable the trainees to record, analyze and perfect their GD skills. The Departments and the clubs can make use of the general audiovisual equipment like Colour TV, LCD TV, MP3/DVD Player, an LCD projector, and the 2 fixed LCD multimedia Projectors. An audio video recording studio with state of the art technology in videography, dubbing and editing to serve various educational processes is being completed. The co-curricular art wing like the Music club has been replenished with an array of gadgets and instruments like a Triton-Le professional keyboard synthesizer, an imported jazz set, electric guitar, a mridangam and a harmonium.

Sports infrastructure: The Department of Physical Education provides infrastructure facilities and training in basketball, volleyball, athletics, football, cricket, ball badminton, shuttle badminton, yoga, wrestling, judo, table tennis, power lifting, body building etc. The Department has provided the venue for University Athletics Meet, Keralolsavam, Athletics Championship, MGU North Zone chess championship, MGU Power lifting, Wrestling, Junior State and National Judo championship, to name a few. The Department runs a health club, "SHAPE Fitness Centre" with state of the art facilities. 'Promote Fitness' (Profit) is a unique project, which extends the health club facilities to the public as well. Summer coaching camp is a children's programme organized by the Department every year for basketball, yoga and cricket for children under 15. There is a cricket academy

for children under 13. The Volleyball and Basketball courts are flood lit. Roofing of the Volleyball court will convert it into an indoor stadium.

Facilities: 400mts track with 8 lanes, Standard football field, Cricket field with centre matting wicket, Cricket practice wicket (Concrete), one Basketball court flood-lit, Two Volleyball courts flood-lit, Two Badminton courts (shuttle), Badminton court (Ball)1, Handball court 1, Judo and Wrestling Room Matted 1, Weight lifting 1, Table Tennis1, Three Lawn mowers, 'Shape' a fine Fitness centre with all modern fitness equipment including facilities for sauna and steam bath. Necessary equipment for games, track and field events are also available.

Future Plans: The most important plan on the card is the launch of an ambitious project, the Sacred Heart Institute of Management and Technology (See **appendix XVI a & b**). The proposed three storeyed building will be constructed across the road facing the College. The institute will house disciplines as diverse as Biotechnology, IT and Management Studies.

The Physical Education Department proposes to introduce the following programmes in the coming years.

1. Water Sports- Snake boat race, Wind surfing, Rafting, Sailing Kayaking, Canoeing, Power boating, Water skiing, Water scooter, Water cycle.
2. Swimming Pool -Standard 50 metres Swimming pool.
3. Indoor Stadium-Basketball, Volleyball, Badminton, Tennis & Table tennis, Yoga & Meditation, Aerobic center, Rifle Shooting range. Martial arts centre (Judo, Kalari- Payattu, Wrestling)
4. Sports Physiotherapy Centre, Post-injury Treatment Centre: The main objective of this project is to help the injured athlete/player recuperate quickly to pursue his practice and training for competitions.
5. Scientific Conditioning Centre: Cochin is a centre of professional teams, in Football, Volleyball, Basketball and Athletics. Hope that the College can extend assistance to these teams to improve their physical and motor fitness.
6. Physical Training Centre: Training for the Physical Test of military services, police recruitment etc.
7. Centre for excellence: in Basketball, Volleyball, Athletics and Judo
8. BP Ed course: in Physical Education
9. PG Diploma: Health and Fitness Management

In order to keep pace with academic growth the College has been steadily augmenting its infrastructure facilities. Here are the facilities added after the first accreditation:

The College administrative office was shifted to a modernized, fully furnished room with tile flooring (Rs 1,50,000/-). Two front offices were put up on the ground floor for the convenience of students and their guardians (Rs 1,35,000/-). A bridge has been set up connecting the Main Block with the Economics and Life Science Blocks (Rs 2,00,000/-). A state-of-the-art seminar hall - Fr Melesius Hall - was built in 2005. It has the latest audiovisual facilities including a sophisticated fixed LCD multimedia projector (Rs 36,00,000/-). An all-new A/C Conference Hall (Fr.Hadrian Hall) was built in the office complex. The hall has paneled walls, tiled floors. It is furnished with oval table and chairs (Rs 7,40,000/-). The main auditorium was provided with improved light and sound system at a cost of Rs 1,25,000/-. Facilities for GD training were set up in the balcony of the auditorium (Rs 1,00,000/-). The Marian Hall was set up in 2003. It has been recently renovated and refurnished (Rs 8,00,000/-).

The following facilities were added to make the campus IT friendly. It has benefited the twin areas of administration and teaching

- The library was computerized on the strength of an in-house developed software
- A digital library was set up
- Broad band service with a speed of 512 kbps
- The College website was improved. web server (www.shcollege.ac.in)
- Mail server (students and staff can make use of it)
- FTP server (ftp.shcollege.ac.in)
- All Departments of the College have computing support units for the benefit of students and the staff. The College office, Departments, Library and PG classes are networked using wired and wi-fi methods. Broad Band Internet is also available on those computers.
- The recently renovated Marian Hall functions not only as a seminar hall but also as Virtual Learning Centre (VLC). It has been equipped with the necessary audio - visual facilities.
- We have set up an audio video recording studio. It is intended to begin courseware production. The centre is equipped with a movie camera and a computer with editing facility using Final Cut Pro licensed software. The audio visual gadgets available are TV, LCD - TV, MP3/DVD player
- LCD projector (portable) and 2 LCD projectors (fixed). Teleconferencing facility is available at the IGNOU office.

The total cost for promoting IT enabled learning is Rs 7,50,000. A common **Instrumentation Centre** is being set up. It will be equipped with advanced

electronic gadgets to enable research work. The research scholars and the students can avail of the facilities. Its expected expense is Rs 3,00,000. The Career Guidance Cell run by the management provides updated books for different examinations. It also subscribes to 14 journals useful for the job hunter and the aspirants for higher education. The operational cost of the Centre is Rs 50,000. The S.H. Computer Centre has a new full-fledged computer lab with 60 machines. In addition to the existing courses, the Centre has been accorded the status of **Tally Accounting Software Training Centre**. A new language lab is also being set up in the Computer Centre. Its expected cost is Rs 100,000.

The following labs were set up in the last two years

a. A microbiological lab for the Aquaculture Department. Equipment purchased:

- | | |
|--------------------------|------------------------------------|
| 1 Hot Air Oven | 2 Incubator |
| 3 Serological water bath | 4 Water Still |
| 5 Autoclave | 6 Double Pan Balance |
| 7 Research Microscope | 8 Microtome and staining facility. |

b. New Research labs for Zoology, Botany and Chemistry were set up.

Major equipment for Zoology Department: Trinocular Microscope with digital camera attachment, Stereo Zoom Microscope with digital camera attachment, Stereo Microscope with Image Analyzer, Overhead Projector, UV Visible Spectrophotometer, PH meter, Water Analyzer with Sensor, Hygrometer, BOD Incubator, Refrigerator, Distillation Unit 2, Electrophoretic Unit, Microtome, Incubator, Refrigerated High Speed Centrifuge, Deep Freezer, Homogenizer, Electronic Balance, Inhalation Chamber, Oxygen and Nitrogen Cylinders 2, PCR machine, Global positioning system.

The new equipment which Botany Department purchased are given in the section **major research facilities of Criterion III**.

Equipment for Chemistry Department: Electronic Balance 4 digits – 1no, Electronic Balance 3 digits – 3 no, Refractometer -1, oven –1, fume hood -1, microscope-6.

Lab for food processing and preservation (add -on course), lab for tissue culture (add-on course) and new computer lab for MSc Physics were newly set up. A new MSc Physics lab was set up: equipment: 2 optoelectronic kits - 2 no, 4 cathode Ray oscilloscopes, 5 AF/RF oscillators, 6 power supply units, 1 ultra sonic diffraction apparatus, 2 spectrometer, 2 travelling microscopes, 1 Electro magnet 10 gauss - 1no.

- Spider Research lab (Arachnology)
- Botany, Chemistry and Zoology labs were modified
- Computer labs for UG students of Physics, Maths and Commerce Departments were set up.

Lab equipment purchased for the existing labs:

- Digital camera, Microscope, digital balance
- Additional facilities provided to the various Departments
- Animal House for the study of ageing
- Multi-species ornamental Fish Hatchery. (Financed by Marine Products Development Authority, Cochin, Govt. of India)
- New store for Chemistry lab
- Mushroom cultivation centre
- Spruced up Botanical garden
- 'Career Bay' for students of English
- Reading room for Commerce students.
- Installation of new copper pipes for gas supply in the Chemistry lab

The floodlit Volley Ball courts to be provided with a roof to make it an indoor stadium. Expected Cost Rs 30,00,000/-. There is a permanent workshop in the campus. The cost of the newly added machines is Rs 50,000/-. New faculty rooms were provided for Botany and BCom Computer Application. All the existing staff rooms of the Departments of Languages, English, Economics, Zoology, Chemistry, Physics, Mathematics, Commerce and Sociology were renovated with ceramic tile floorings at a cost of Rs 6,00,000/-. The Counselling room was renovated at a cost of Rs 5000/-. Rewiring was done in different departments at a cost of Rs.5,10,000/-. Water coolers with purifiers were installed on the three floors (Rs 1,05,000/-). 4 pay phones were installed at different locations (Rs 16,000/-). 400 mts track with 8 lanes was added to the sports infrastructure by spending Rs 5,50,000/-.

New equipment were purchased for the Physical Education Department and Shape Fitness Centre at a cost of Rs 1,35,000/-. The new equipment are: bench press, squat stand, shoulder press, peck deck, cross over machine, horse rider, rowing machine, leg press, leg extension, leg curl, seated half rise, dumb bells, hyper fusion, barbel, weight Disc, weighing machine, weighing balance, height measuring equipment, medicine ball, posters, TV/DVD players, starting gun, pushup stands, fax machine, two grass cutting machines, sit and drive mower and weed cutter.

The retiring rooms for women students were renovated. New wash and toilet facilities were added. The total cost was Rs 1,00,000/-. The PG classrooms were furnished with chairs at a cost of Rs 5,00,000/-. The main library was rearranged and computerized to make it user-friendly. The desk and benches were replaced with cubicles and chairs (Rs 3,00,000/-). A new digital library was set up. Bar code and scanner facilities were provided. A sophisticated Ricoh reprographic machine with advanced features was installed. DELNET facility has been installed. The total cost is Rs 3,00,000/- The College canteen was renovated with new furniture at a cost of Rs 4,00,000/-. A bio-gas plant has been built to run the College canteen. The plant costs Rs 30,000/-. A 50000 litre capacity tank was built to harvest rainwater. It is intended to supplement the drinking water needs and to irrigate the botanical garden. The water-harvesting unit was set up without government assistance at a cost of Rs 85,000/-. A tea vending machine was bought for Rs. 22336/-. Additional notice boards were provided to all Departments (Rs 75000/-). Vision, Mission statements and pointers were displayed (Rs.50,000/-). The stationary shop run by the College Co-operative Society was modified. The store has the infrastructure for photocopying and computing. The cost of modification was Rs 3,00,000/-.

The women students and staff are provided with exclusive retiring rooms. A common space for dining and wash facilities is provided there. The rest rooms have been recently renovated and more conveniences added.

Maintenance of Infrastructure

The budget allocation for the following items is given below:

a. Land	Rs 4, 00,000/-
b. Building	Rs 3, 00,000/-
c. Furniture	Rs 1, 00,000/-
d. Equipment	Rs 1, 00,000/-
e. Computers	Rs 5, 00,000/-
f. Management paid staff	Rs 10, 00,000/-

The budget is fully utilized. We have a team of carpenters, masons and painters. We also have a workshop with an array of equipment like machines for welding, lathe and drilling. The workshop is also equipped with compressor sprayer, grinder, fabricator, thread-cutter and a blowing machine. The electric and electronic equipments are mainly maintained by outside agencies.

The funds mainly come from government grant, donations, grants from educational bodies, from projects undertaken by various Departments and from the letting out of the infrastructure to other agencies. The PTA is a major donor.

We ensure better utilization of the infrastructure facilities by:

- Keeping the library open for 8 hours
- Keeping the computer service open for 12 hours
- Giving access to teachers and students to internet free of charge
- Offering short term courses on Computer, Management, Communicative English,
- Making all the outgoing UG students computer literate.

Existing academic facilities are extended to the IGNOU, Bharathiyar University, School of Distance Education; MG University, School of Distance Education; Pondicherry University, School of Distance Education; University of Madras; Students from Notre Dame University, St. Mary's College, USA and for various tests including online TOEFL test. The facilities available are let out to various film and TV serial producers.

Library as Learning Resource and Information Centre: The general library of the College has a collection of 71,770 books and it subscribes to 53 journals. In addition to the general library there are three Department libraries for Economics, English and Zoology. The general library has a spacious reference section. The library will remain open from 9 am to 5 pm on all working days. The library is with open stacks, fully computerized with internet and reprographic facilities. The Library Advisory Committee monitors the functioning. On the recommendations of the Committee, improvements are brought about periodically.

The Book Selection Committees of various Departments recommend the purchase of books. Journals are also subscribed on their recommendations. Internet facility is used by students and staff especially during free hours. While 20 students use the net every day on an average, teachers mostly access at home. The library services are computerized. DELNET services have been extended to the library. The library is kept closed on Sundays and public holidays, declared by the Government of Kerala. The College has spent Rs 15,30,000 on books and journals during the last five years.

Apart from the visitors to the reading section at least 20 members of the staff and 110 students borrow or return books everyday at the general library. The faculty and PG students also make use of the PG libraries. The Department libraries of Zoology, Economics and English facilitate easy access of the books on specific

subjects to the PG students and staff of our College. The UG Departments have a collection of important books under the control of the HoDs.

The vantage position of the library at the centre of the main block with imposing wide doors easily catches the attention of all prospective readers. It is well ventilated and properly lighted. The librarian does everything possible to make the students and staffs use the library. The books are well arranged within the library. Magazines and newspapers are displayed on the shelves. Cubicle facility is provided within the library (No: 192), which gives students more privacy and convenience for making notes, doing project work, and preparing for seminars. Separate seating provision is available for the staff of our College.

A **library club** functions in our College, the aims are:

- a) To promote reading habit among students
- b) To attract more students to make use of the various facilities in the library.
- c) To encourage the students to make further study and research in their subjects.
- d) To encourage the students to read great literary works.

Members of the library club voluntarily work in the library by helping the staff in arranging the books and organizing them on the basis of the principles of library management. They keep the premises neat and tidy. The College has instituted two awards for students who read the maximum number of books. The fresh students of our College are given an orientation on book reading and library processes such as classification, cataloging, indexing and bibliography preparation.

Computer as a learning resource: The use of technology aided learning and ‘administering’ is given great thrust in our agenda. Computerized office work has been beneficial to all who associate with the College. An improved website of the College (www.shcollege.ac.in), the interlinking of Departments by Reliance Intercom, tele-conferencing facility in the IGNOU office, are some of the instances that speak for a technology savvy campus. Our College is an **online TOEFL test centre**.

The computer facility is open to all students, faculty and administrative staff. The administrative office is fully computerized. The office staff was trained for the inroads of technology. The entire College community can make use of the internet browsing facility in the library. The library, the Departments, and the PG classes are provided with networked computers having access to the net. This is an addition to the all-new Computer Lab having 60 machines.

The College has been gearing up the faculty for computer-aided teaching. Different batches of teachers have been given training in using technology-aided teaching. Five Departments have computer labs. In addition to the free access to the computers in the PG classrooms and Departments, the College has a studio with editing facility with the latest final cut pro licensed software. The courseware produced can be put on the server, which can be accessed through the network.

The College has 110 computers. Most of them are **Intel Pentium IV - Dual-Core**. The College has a central computing facility. Students and staff can make use of the networked computers during free hours between 9 am and 5pm. Access to the computers is free of cost including the use of internet. The computers are primarily maintained by our staff. Outside agencies are not given any maintenance contract. However their services are made use of when they are necessary.

Dr M George of the Chemistry Department has developed a package for College students. Dr M S Francis has produced 4 episodes of e- content (video lecture series). The Chemistry Department hosts an intercollegiate competition for power-point presentation of projects. The College co-operative society has an in - house competition for computer based project presentation of various Departments. Students of various Departments like Sociology, Commerce, Mathematics and English (Copy Editor) produce computer aided brochures, books and journals.

Other facilities: A good majority of the students are day scholars as most of them stay in and around the city of Kochi. Still we offer hostel facilities to the men students of the PG classes. They are put up at the hostel adjacent to the College. The women students of the UG and PG classes are accommodated at Seva Sadan, a hostel run by nuns. The hostel can accommodate 134 students.

The College canteen, Diet was renovated in 2004 by spending approximately Rs 4 lakh. Every square inch of the canteen from the kitchen to the dining space was thoroughly overhauled and furnished afresh. The canteen provides quality food to the students and staff at subsidized rates. The canteen is managed by the staff. The health centre named 'Shape' fitness centre is one of the best in the city. The Health Centre caters to the students and the general public. We have a Student Centre, which will be shortly renovated. The facilities at the Instrumentation Centre are open to the staff and the research scholars. The College also has a workshop.

There is a Post Office (682013), an ATM counter and regular printing press in the campus. There are two co-operative societies (registered under the Govt. of Kerala) in the College. The Credit Co-operative Society accepts deposits and gives loans to the staff. The other co-operative society caters to the stationary requirements of the

students and staff. The College has drawn a master plan for campus development. The lay-out of the College indicating the existing building and the projected expansion in future is attached (See **appendix XVI a & b**).

Criterion V: Student Support and Progression

Student profile: The total strength of regular students at Sacred Heart College during the current year is 2197, with 761 men and 1436 women. This year we have no foreign nationals. While most of the students hail from Kerala (2156), there is a fair sprinkling of students from other states both southern and northern (41). We have quite a few children of NRIs too.

The profile of the **last two batches of students** shows the fairly pluralist composition of our campus. The students hail from different parts of the state and the country, from rural and urban areas. They belong to different religions and caste denominations and occupational groups. Their economic background is diverse too. Nearly 30% of our students belong to backward castes. We have a large number of students from the fishermen's community.

Year	SC	ST	OEC	OBC	General	Total
2004-05 UG	110	17	178	534	672	1845
PG	44	15	26	139	110	
2005-06 UG	132	16	178	572	613	1866
PG	48	17	32	152	106	

Student progression: The majority of students who pass out of the UG and PG courses join higher courses of study. A substantial number of our PG students join BEd course because teaching is one of the avenues open to them and they are able to complete their BEd by the time the degree results are announced. Others prepare for UGC-CSIR/.NET examinations. Some opt for research. UG pass outs join various courses of study; some do BEd, a few join PG in the same subject and many of them pursue other fields. Of late, MBA and MCA have become favourite higher studies options with many. Details of students pursuing higher studies: 2004 – 2005.

Progression to further study	Percentage	
	UG	PG
	72%	21%
Progression to employment	24%	70%

Nearly 10% of students get absorbed through campus recruitments. The percentage of students joining the work force is steadily increasing. This year 56 of our

students, most of them from UG have attended the final interview for appointment with Google. GENPACT, HSBC, HDFC, INFOSYS are some of the other multi-national companies that routinely visit our campus for recruitment. We have been able to secure 124 employment opportunities this year through the campus recruitment drive.

The Drop out Rate is negligible. Except for one or two from a whole batch, those who drop out do not discontinue their study, but shift to professional courses. Since admission to professional Colleges starts late, most of them join some course and then discontinue on getting admission. Because of this recurring phenomenon we often admit nearly 20% more than the normal strength, especially in science streams.

Student Support: The College publishes its updated **prospectus and handbook** annually. The prospectus made available to fresh applicants gives details of courses offered, optionals available, second languages to be opted from, fee structure, rules governing admission, initial amount of fee to be paid at the time of admission etc. The handbook distributed to the students after they secure admission contains the following information.

- Profile of the College
- Details of the office bearers, faculty and staff
- Guest and visiting faculty
- Detail of research centres, area of research and research guides
- NAAC and IQAC
- Academic programmes and courses
- Details of the Departments
- Details of College library - general and departmental.
- Schemes for internal evaluation - criteria
- College rules and general discipline
- Various Associations functioning in the College.
- Co-curricular activities and extension services
- Student facilities and services
- Scholarships and awards
- Allied university programmes
- Student charter
- College calendar and telephone directory
- Consultancy and extension services

- Grievance Redressal Cell
- Talent clubs
- Diet (canteen)

Besides these many more facilities have been added:

1. Health club
2. Playground
3. Two A/c halls
4. Co-operative society
5. Reprography centre
6. Free internet
7. Four coin - phones
8. Tea- vending machine
9. Hrdaya cultural fete.

Student activities: Our students have a plethora of activities to choose from catering to their individual aptitude and talents: sports - athletic meets, All Kerala, Bartholomew Trophy, College sports; talent clubs - 40; Department associations; Pookkalam Competition, Classroom Beautification Contest; Aqua fest; Tandav - inter-collegiate fest; Youth Festival - University, inter-University, National; Sargapadham-literary pentathlon, Heartifest, Hrdaya-Sargasangamam; NSS; NCC- (Naval, Army); AICUF; Women's Cell; SADA and Departmental Magazines.

Financial Assistance: Students of Sacred Heart College have numerous scholarships and financial aids available to them. There are government scholarships, College scholarships, PTA, SWT and cash prizes instituted by various Departments and other scholarships instituted by various agencies. Apart from these institutionalized assistance the College has several avenues of assistance for the needy. We are keen that no student should drop out owing to financial difficulties. Class-teachers and tutorial guides try to track the needy and the economically challenged and see that their needs are met and some regular assistance made available (**See appendix XVII**).

Support services available to overseas students: As part of their Semester around the World Programme, a batch of 30 students of St. Mary's College and Notre Dame University, Indiana, U.S.A. visit, stay and study at the Sacred Heart Campus for 3 months, every alternate year. The package of five courses we offer the overseas students include Indian History and Literature, Indian Society, Indian

Religion and Philosophy, Indian Government and Economics, and Arts of India - Art, Music, Theatre and Film.

Support services available to SC/ST students: The SC/ST educational concession makes available to SC/ST students a lump sum grant, stipend and fees concession. This is renewable every year. In place of the earlier special remedial sessions made available to SC, ST students we now offer special sessions to the slow learners, which include quite a few SC, ST students. As a matter of fact weak students do come to the Departments without inhibition to seek help. The pass percentage of SC, ST students has been hearteningly high. Remedial classes and tutorial sessions augment and support the weak students.

Placement and Counselling Services: The College has a **Placement Cell** with a faculty in charge. Recruiting agencies and companies have put Sacred Heart on the regular list of campuses they visit every year. Infosys BPO, Genpact, Google, Sutherland are some of those who make it to the campus every year. In addition to the central placement cell Departments have their placement cells as well. They attend to job calls directly too.

The Career **Guidance Centre** provides guides and literature of almost all competitive exams for professional courses and jobs. Career counselling is also provided at specified hours. The Centre aims at making the students employable in the new millennium. To realize this dream, talks on career awareness, orientation and model sessions on how to face interviews, how to conduct group discussions etc are organized. Students are also given assistance to find suitable placements for on-the-job-training. The centre subscribes to 20 periodicals, 500 books exclusively on career matters. With a full time staff, the Centre operates from 9am to 5pm. Many companies do presentations for the benefit of our students. PEP, BMLP etc fine-tune the soft-skills. The GD facility and training by experts go a long way in improving the employability. Many students have benefited from the campus interviews organized by the centre.

The **Counselling and Guidance centre** was blessed and inaugurated on 24 October 2002 by the Principal. It is intended to provide timely help and counselling tips to the students in properly moulding their personality. Proper guidance will go a long way in helping our young boys and girls lead a fuller life. A trained Counsellor is available for the students. Rev Fr Abraham Kallarackal, HoD of Sociology, is the Director of the Centre. There is a woman counsellor and a faculty member catering especially to woman-specific issues.

There is an internal mechanism in place for every student of every bent. The smart ones are encouraged to join a club, which caters to their taste, and the weak are supported. The Project EngPower initiative is meant for confidence building, which comes through English Language and soft-skills. The various clubs nurture their talents and give an opportunity to fine-tune and display their abilities at the annual extravaganza 'Heartifest'. Every student has to join a club and they are encouraged to participate in literary and cultural competitions around, in other parts of the state, and even at the national level. Often they romp home with laurels and give the College community occasions to celebrate.

The encouragement given to sports and games, and athletics at SH is unequalled, and every student who passes out cherishes its sports culture. Having contributed many a sports star of national renown, the College still excels in sports and games and continues to reign as an unchallenged master at the arena. The sports hostel run by the College on its own, without any governmental aid, speaks volumes. The College has a glorious record in sports and games (**See appendix XVIII**).

Alumni Association: Every student who passes out of the College is a member of the Sacred Heart College Alumni Association. In addition to this umbrella body we have alumni associations for individual Departments, which meet at least once every year. The alumni have always been ready and willing to rush academic and financial help to their alma mater. We have a few endowments and scholarships instituted by the alumni. They regularly monitor the activities of the College and have always lent a helping hand in its march towards excellence. A list of some of our distinguished alumni is given in appendix (**See appendix XIX**).

Feedback: The College has a regular feedback mechanism, which ensures an evaluation of its performance by all stakeholders. Teachers collect assessments by students. Parents vent their opinion during the open sessions after each sessional exam. The PTA executives meet every month to monitor the College's functioning and to render advice.

We seek feedback from our clientele – the several organizations that visit our campus for recruitment, annually. Their comments, often boosting, have enriched our confidence and their suggestions have prodded us to start initiatives like the PEP, BMLP, the VLC, GYM and the add-on courses. The clubs too have been conceived as alternate learning avenues.

Grievance Redressal: An efficient system of grievance redressal has been built into the administrative framework. Students can get their complaints heard at various levels, depending on the level at which grievances arise. The respective

class teachers and the HoDs attend to academic grievances relating to day-to-day classes. Grievance related to internal assessment are heard and redressed at the Department and if needed taken up and settled by the Internal Assessment Redressal Cell. Discipline related grievances are taken through the class teacher to the HoD who informs the Principal who sends it to the Disciplinary Cell headed by the Staff Advisor to Students. Grievances are redressed within a fixed time - frame. The Ethics Committee ensures basic codes of conduct and deviations are promptly set right. The Anti-ragging Committee scrupulously prevents any ragging attempt. The alertness of these bodies at different levels has ensured the smooth functioning of the College. Party political activities have been banned in the campus for the last two years.

Criterion VI: Organization and Management

Leadership, Goal Orientation and Decision Making: The College functions under the able leadership of the Principal who gives an impetus to all the academic and non-academic activities. In this the College Council and the Management Governing Board assist him. A participatory system prevails where, through the College Council and the general staff meeting, the activities of the College are monitored. The Council consists of the Principal, the Heads of Departments, the elected members from the teaching staff and the senior superintendent. The Management Governing Board consists of the Manager, the Principal and the two elected members from the Sacred Heart Monastery. IQAC has been constituted in accordance with the norms and specifications of the National Assessment and Accreditation Council.

The College has a mission/vision statement spelling out its cherished goals and objectives. This is made known to all concerned and is exhibited prominently at the entrance to the library. Besides that, the calendar, College magazine, website etc highlight the ideals and priorities guiding our institution (Also see **Criterion I**).

Organization Structure, Powers and Functions of the Functionaries: Various committees monitor the functions of different Departments and associations. Administrative powers are decentralized. The committee members are chosen from various Departments. The research committee identifies new projects and recommends them. There is a purchase committee whose approval is required to make purchases for the Departments. All major issues are discussed in the Council and also in the general staff meeting. Two elected representatives from among the staff are members of the Council. The library committee in charge of purchase of books for the library recommends books. The senior superintendent is a permanent

invitee of the College Council. The establishment staff also has a committee to discuss their involvement in decision-making. There is a very active parent Teacher Association which meets regularly. Its executive meets once a month. Various Departmental meetings are held for planning, organization, preparation and implementation of an academic year plan. The handbook also provides the details of various committees. Besides all these there exists a Student Welfare Trust (SWT), which offers financial assistance to economically weaker students. The Golden Jubilee Trust also is associated with similar work.

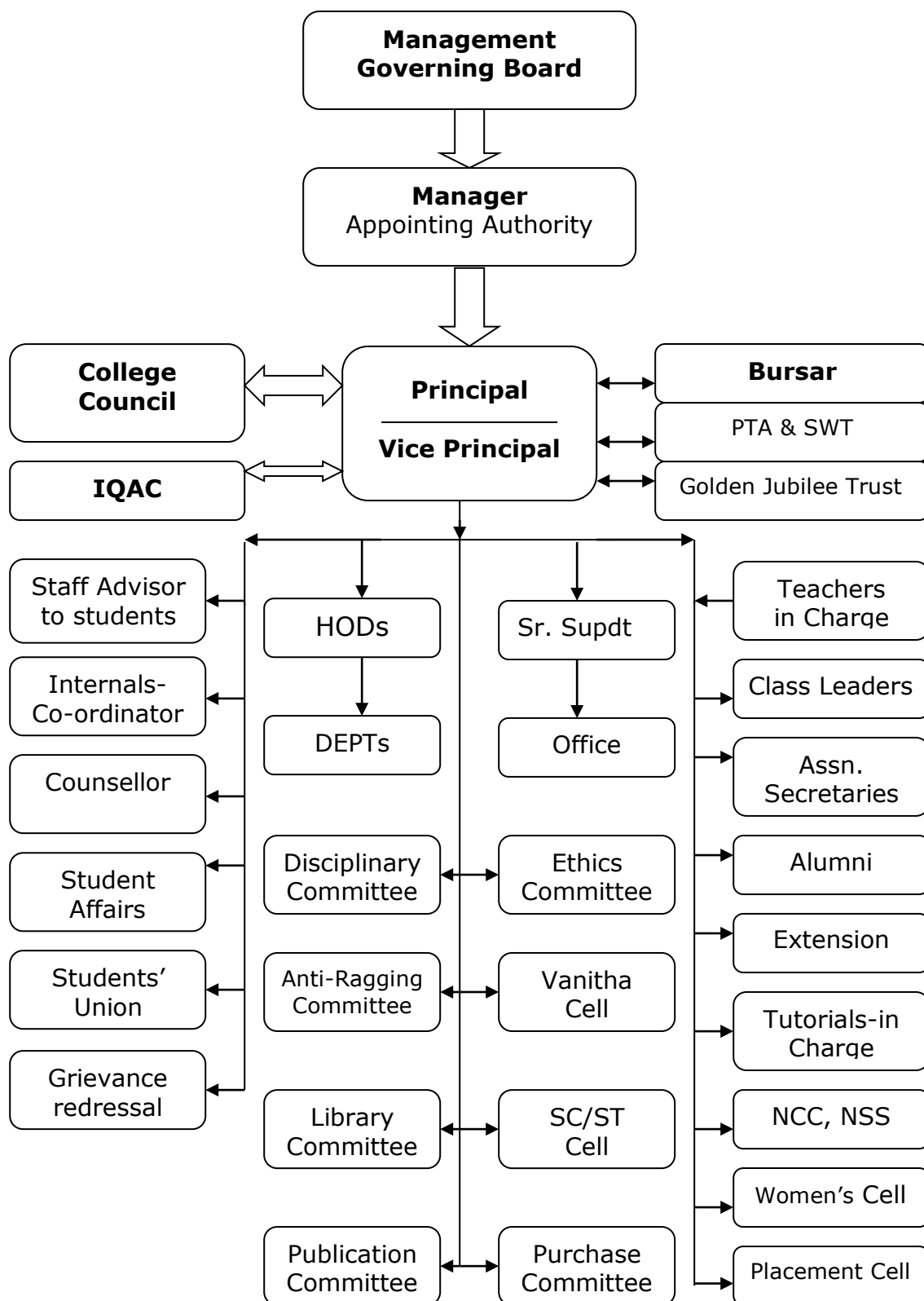
Details of the meetings held during 2005-06

Name of the committee		Number of meetings held
1.	Management Governing Board	3
2.	College Council	7
3.	General Staff Meeting	5
4.	Research Committee	3
5.	Purchase Committee	3
6.	Library Committee	3
7.	Golden Jubilee Trust	4
8.	PTA Executive Meeting	11
9.	SWT	11
10.	IQAC	10
11.	Establishment Staff	9

The PTA Executive meets once a month. The general staff meeting also is held at least once a month. The Management Board takes its decisions after detailed deliberations. All these decisions are implemented on a timely basis.

The Principal along with the College Council ensures that the activities of the various committees are coordinated. The IQAC meets regularly in this connection. The manager visits each Department to have first hand information in its activities. The Principal also meets all Departments individually many times a year. Assessment of work is done, future plans are chalked out, and all segments collaborate and contribute to the effective execution of various functions.

The administration is decentralized as is evident from the chart below.



Perspective Planning: The previous Peer Team's visit and feedback opened our eyes to certain lacunae in our futuristic plans and perspectives. On the basis of those proposals the College has chalked out plans for development and has submitted them for assistance from the UGC. The UGC has positively responded with grants and financial assistance especially for our UG and PG programmes. The DST (Rs15 lakhs) assistance has led to long term initiatives as well as buying various equipment for the research development and laboratory upgradation in the Zoology Department. The College has been earmarked as one with **Potential for Excellence** (Rs60 lakhs) and this has placed on us a greater responsibility to have a proper perspective planning. The Chemistry Department has applied for the DST assistance of Rs.1 crore for its various ambitious projects. Some other Departments have planned a series of measures to upgrade the infrastructure and research facilities and are awaiting favourable response.

The quality and employability of our students is of primary concern to us. With this in view we have set up a placement cell. Quite a large number of students got selected to various companies including MNCs. Encouraged by this we have arranged special training for improvement of soft-skills, personality development etc which have instilled greater confidence in our students. The Computer Centre has played an important role in this. The Project EngPower started under the auspices of the English Department will shortly take the shape of a centre - The EngPower Academy- that will offer short-term courses for enhancing English proficiency. All these measures and more are on the cards to usher in greater employability.

We have made a database of all our students, which will be mutually beneficial to the MNCs and the students. We have tie-ups with certain foreign universities. The College has very ambitious projects for the future. We plan to set up an Institute of Management and Technology, which will offer courses like MCA, MBA and MSc in Biotechnology. This institute will be housed in a 3-storeyed building to be erected across the road and the plan for the same is attached (See **appendix XVI a & b**).

Another project is a swimming pool and facility for aquatic sports. We have the distinctive topographical advantage of having the **Vembanadu kayal** at the western side of the campus. It is a unique feature of our College to have such a large water body so easily accessible and we are searching for avenues to utilize it to the maximum. An indoor stadium is being constructed for conducting various

sports/arts/outreach events and programmes of regional, national and international stature.

We hope and feel confident that our various futuristic plans and projects will usher in the status of an autonomous College. The various honours that have come our way such as **R Sankar Award** (twice) and **CPE** have boosted our confidence. Keeping this in mind, a one day seminar was arranged when Dr Joseph Xavier S.J former principal of Loyola College, Chennai gave us many insights into the autonomous status.

The handbook and calendar for an academic year is prepared during the vacation and is made available at the beginning. A team of teachers prepares the handbook with inputs from the Management, various Departments and agencies and all necessary information that the students need, find mention there. It gives all relevant information regarding academic programmes and courses, PhD Research centres and divisions, NAAC, IQAC, College library, scheme for internal evaluation, rules and general discipline, associations, co-curricular activities, extension services, student facilities and services, scholarships and awards, allied university programmes, consultancy and extension services. For infrastructural details see **Criterion IV**.

Campus networking is another plan that has been implemented. All Departments now have net connectivity and PG students can use the internet at their convenience. Other plan proposals are mentioned in other relevant sections of this report.

Manpower Planning and Recruitment: Staff is recruited according to the norms set by the University, UGC and Government. Vacancies are advertised in newspapers and prospective candidates are called for and interviewed by a constituted panel and a list is prepared. The manager appoints the person/persons selected. Their appointment is later ratified by the University and the Government. However, in the present scenario only guest faculty is permitted by the government. We have visiting faculty from external agencies such as research institutes, media and industry to give lectures to the students of various streams. The ratio of teachers to the non-teaching staff is 2:1. Self-financing courses use the services of qualified guest faculty appointed by the Management. The Management also gets the services of the College cinematographer, career guidance office assistant, IQAC – NAAC - coordinator as well as the College counsellor for executing the various activities.

Performance Appraisal: The College has a self-appraisal system to evaluate the performance of the faculty. We collect feedback from the students on annual basis. Corrective measures are taken based on the assessment. The parents are invited for meetings with the faculty and their feedbacks guide our course of action. These open houses are very useful in making the right evaluation as concerned teachers attend to them and realize their strengths and weaknesses. The tutorial sessions held regularly is another opportunity for the teachers to find out what the students feel about the classes and the institution, as students are given chances to speak out. These interactive sessions are very useful in getting a regular feedback on the teachers. Besides these, the students are encouraged to contact the Principal, the HoDs and the teachers regarding any problems they encounter.

The performance of the non-teaching staff is also appraised on a regular basis. Self-development Programmes such as annual professional improvement programmes, get-togethers, annual dinner with retired faculty picnics lead to greater bonding and fraternal spirit. The institution conducts certain programmes for skill upgradation and training of the non-teaching staff. They are also encouraged to attend courses or classes to develop their skills. They are IT enabled and this has helped them a lot in their job. Regular meetings of the staff discuss and evaluate all programmes on the campus.

A suggestion box in the library collects feedback from the students on various issues. The faculty has had training in batches in the use of computers and the internet. Most of them participated in the “Intel Teach to the Future Programme”. Quite a good number of teachers own PCs and use them regularly.

Resource Mobilization: The fee structure for various courses is fixed by the Government of Kerala. The amount collected from the students is duly deposited in the government treasury. The fee structure is given in the **appendix XX**. The fee is revised by the Government from time to time. We do not force students to make donations. However, there are benefactors and well wishers who help us when we are in need.

Finance Management: The audited budgets of 2004-05, 2005-06 and the CPE fund are attached. (See **appendix XXI a, b and XXII**).

The operating budget of the institution is adequate to meet the day-to-day expenses. Though the maintenance support extended by the Government is meagre, the institution raises sufficient fund to maintain its assets. All the accounts of the institution are regularly and properly audited by internal and external agencies from time to time. A chartered accountant audits the accounts. The financial transactions

are kept transparent. The PTA fund is audited by persons nominated from among its members (See **appendix XXIII**). Every evening, accounts of money transactions made on that day are checked by the Principal.

Criterion VII: Healthy Practices

Total Quality Management

Efforts to achieve goals and objectives: Our aims and objectives spring from the holistic vision envisaged by the founding fathers of the institution. The last NAAC visit, its proposals and the CPE recognition have spurred a plethora of schemes and plans, which are being implemented one by one. At the same time the College keeps its eyes open and seizes upon any better scheme that would catapult the College into new horizons of academic development. All the infrastructural research-oriented resources as well as para-learning support initiatives (Also see **Criterion IV**) are instances of such an ongoing effort towards achieving the goals. The open house, the progress report analysis, and the tutorial help the proper academic and personal grooming of our students. The PTA of the College is very active. The PTA executive meets every month and renders every possible help to the management in developmental activities. The teachers of the College play a vital role in the academic and administrative functioning of the College. The Departments conduct regular meetings and contribute valuable suggestions to the Principal for the development of the College. The especially cordial relation that has existed between the teaching and the non-teaching staff has contributed to the administrative wholeness of this institution and significantly served its growth all these years.

Internal Quality Checks: The College has a very stringent internal quality check mechanism in all aspects of teaching, learning, infrastructure, and student support programmes. The College Council collects feedback from students and acts on it appropriately. The monthly council/staff meeting, the Principal's Departmental interactions, Manager's meeting with the staff, IQAC awareness - one day seminar for staff etc facilitate the qualitative improvement and better co-ordination between the various arms of the institution. At the close of each academic year the PTA makes an evaluation of the year's performance. Members of the faculty who have retired also make an assessment of each academic year's performance. A similar evaluation is also obtained from the alumni.

IQAC: A duly constituted IQAC functions in the College since 31.3.2005. The cell was reconstituted for the academic year 2006-07 (See **appendix XXIV**). The IQAC monitors the efforts of the College towards academic excellence. Ms Suma Thomas

is appointed as an external full-timer to carry out the IQAC functions. The IQAC office has been liaising with different Departments for qualitative upgradation. It plays a vital role in the sustenance and enhancement of quality and works towards inculcating a sense of belonging in every stakeholder of the College. It evaluates every activity in the campus and makes suggestions for improvement.

The priorities set by the IQAC are

- Publication of research work
- Greater efficiency in the remedial programmes for weaker students
- Widening of extension services and outreach programmes
- Consultancy services
- Library and Computer Centre
- Research and Development cell
- Alumni Support
- Grievance Redressal Cell.

The IQAC meets regularly and assesses the progress achieved.

Ensuring Quality of Academic Programme: The essential goal of education is to bring out the best in the students. For achieving this goal a team endeavour involving the students, the parents, the faculty and the management is imperative. The College has evolved a mechanism for ensuring this collaborative effort - regular PTA meetings, interaction-sessions between teachers and parents after every exam. The PTA is actively involved in the cultural life of the College.

The College encourages teachers to attend seminars, workshops, symposia and other academic programmes to enhance their performance level. IT aided academic exercises boost the knowledge delivery system. Occasionally, programmes by management experts are arranged for the faculty. Many of our faculty routinely participates in counselling and communication courses and their expertise is made available to the students. For our faculty national and international seminars have become part of their academic enhancement (Also see **Appendix IV, V, and VI**). Tutorial programmes have been effectively implemented by the College. Each session promotes personal interaction between students and the tutor.

Academic Administration: The College has an effective academic administration to ensure its vision and mission. The Governing Board of the College consists of a team of CMI Fathers, dedicated to the cause of education. The Manager, the Principal and their team look after the general administration of the College. The day-to-day affairs of the College are managed by the College Council, which

consists of the Principal and the Heads of Departments, Office Superintendent and elected representatives of the faculty.

Innovations: The College office, pay roll and the admission process have been computerized. The College office has been furnished professionally and relocated. The library cataloguing has been computerized. The decision- making process of our College is collective, decentralized and participatory.

Innovative Courses: The College has introduced several innovative courses.

Academic:

1. BCom Computer Applications
2. BSc Computer Applications
3. MSc Aquaculture and Fish Processing

Add-on Courses:

1. Electrical and Electronic Equipment Maintenance
2. Food Processing and Preservation
3. Tissue Culture

Diploma Courses: Computer Science

1. 'O' Level (DOEACC) – 1 Year
2. PGDCA (2 year programmes)
3. E-commerce
4. Other short-term courses (BMLP, Project EngPower)

The curricula for many of these courses have been designed by our faculty. The faculty is encouraged to introduce and implement new concepts and methods. Regular visits and interaction with the faculty and experts of other institutions offer ample opportunities for innovations.

Innovations in teaching, learning and evaluation: The College makes use of modern technological aids such as LCD projector, computers etc in the teaching-learning process. Learner-centred interactive methods have become the order of the day in the College. Department journals, exhibitions on various themes, extension talks, study tours, rallies – all add to the information quest of the student community apart from the classroom.

For the swift and efficient retrieval of information, the library is linked on-line with all the Departments and the Principal's office. Teachers, students and research scholars have access to internet from their respective Departments. The Principal can monitor and assess on-line the students' participation in the library. The College library plans to connect itself with the libraries of the nearby institutions on-line. This will enable the students, teachers and research scholars to access the rich

resources of these institutions. The on-line facility will also help to share information on seminar and workshops going on in these institutions. The students may also interact with each other on-line in mutually interested areas.

Research and Extension: The College has as many as Six Research Departments viz, Botany, Chemistry, Commerce, Economics, Physics and Zoology. There are five major research divisions in the College (See the **Other Units**). The College has tie-ups with national and international agencies.

The College has given due importance to environmental education. Our faculty participates in many programmes conducted by different NGOs as resource persons. The participation of our faculty in the protection of ‘Periyar River’ and National Environment Awareness Programmes etc are good examples. The College has an outstanding Zoological Museum, unparalleled in the State, under the Zoology Department. It has a collection of over 1500 specimens, many of which are very rare. The museum attracts a large number of students and science enthusiasts to the College.

Several innovative developmental projects have been undertaken in the library. Infrastructure and technology upgradation, are intended to boost the research and extension activities. These include: cubicle facility for the readers and users; improved lighting facility; networking; computerisation; bar code reader and scanner; internet facility; DELNET; e-journals; international journals; reprography centre; education CDs; competitive exams; tutor software; new additions to books; journals and magazines; audio-visual equipment; two notice boards and a writing board; suggestion box; separate seating arrangement for staff; new timing fixed from 9 a.m. to 5 p.m.

II) Additional Infrastructure facilities

- | | |
|--------------------------------|--------------------------------|
| 1. A new conference hall (a/c) | 2. New seminar hall (a/c) |
| 3. Rain water harvesting unit | 4. Bio-Gas Plant |
| 5. Bank, ATM, Post Office | 6. Tea-vending machine |
| 7. Coin phone | 8. Mushroom cultivation Centre |
| 9. Botanical garden | |

III) Technology upgradation

- | | |
|------------------------|------------------------------|
| 1. Reprography | 2. Rainwater harvesting unit |
| 3. Computer Centre | 4. DELNET Access |
| 5. Networking facility | 6. Internet access |
| 7. Audiovisual Centre | 8. GD facility |

9. Language lab
10. Instrumentation centre
11. Videography and Digital Editing Studio

Innovative strategies in Governance: Sacred Heart College, Thevara seems to be the first affiliated College in the state to computerize its office work. What is significant is that the software for the same was developed indigenously. Since then many Colleges have borrowed the software and adopted it for their office work.

Value Based Education

Practices to impart value-based education: The mission and goals of the College are integrated into the spiritual ethos of our motherland. Every new batch at the beginning of the programme of study participate in a half-day spiritual orientation programme with mass, inter-religious prayer meeting, value-based lectures for both the students and their parents. Every day, work begins with an invocation to the Almighty, the abode of Light and Wisdom. The College community joins devoutly. An annual renewal programme for the students is another striking feature, contributing to their spiritual awareness. The College organizes lectures and talks for the final year degree and postgraduate students, to equip and prepare them for the challenges ahead as they step out of the portals of the College. The teachers undergo a professional improvement programme annually. It reinforces their commitment to the profession and heightens their motivational levels. The non-teaching staff also has a fruitful annual renewal programme.

Campus Ministry – To promote values in the personal and social life of each member of the community, the College offers a series of programmes under the aegis of the Campus Ministry. These include: lectures in value education, inter-religious prayer meetings, life-orientation programmes, seminars on family, parent-child communication, a two-day professional improvement programme for the staff.

- The College employs a trained counsellor and students are encouraged to avail themselves of the services.
- The NSS aims at educating students through community service and deepening their understanding of the social environment in which they live.
- NCC aims at forging a spirit of patriotism and the need for commitment and responsibility to the motherland.
- AICUF and Jesus Youth are two voluntary organizations working in the College. They aim at the spiritual and moral well-being of the students.
- The Youth Red Cross Society inculcates a sense of fraternity

- SWASTI (Sacred Heart Women's Association for Service, Truth and Integration), the Women's Cell, aims at the overall development of the women students.
- Awareness clubs aim at imparting awareness among students in specific areas – human values, environmental protection, legal awareness etc.
- Nature club – Primrose Nature Club is actively committed to ecological and environmental issues and generates awareness among the students and the public. The classroom beautification contest instils a sense of neatness and cleanliness. The activities of the club have been acknowledged by the Kerala State Forest Department and Kochi Refineries.
- Tutorials – Monthly tutorial sessions are conducted. They are oriented to impart values.
- Activities are undertaken by the institution for promoting nationalism and national integration 'Hindi Week celebration was undertaken in the most befitting manner. A competition was held in finding correct Hindi terms for the given English terms and prizes were distributed for the same.
- Pro-life programme to sensitize the students on abortion
- AIDS awareness programmes
- Departmental fests to promote the students' artistic talents and to create a sense of belonging.

Social Responsibilities and Citizenship Roles: Social Exposure Programmes:

Under this programme students visit tribal communities, slums, hospitals, juvenile homes, homes for the destitute etc. The students are also given opportunities to participate in seminars and conferences conducted by agencies/organizations outside under the supervision of the faculty.

NSS: The aim of our National Service Scheme is to educate the students through community service and enrich their personality and deepen their understanding of the social environment in which they live. Visiting old age homes, cleaning the Thevara road, protecting the Mangrove forests, creating awareness on personal hygiene, AIDS, contagious diseases, the ill effects of smoking and drugs are some of the activities undertaken by the NSS of our College.

NCC's paradigm - cycle expedition campaign on plastic-free world, Chikungunya prevention and cure campaigns etc highlight the social sensitivity of our students.

Social Responsibilities and Citizenship Roles are Imbued by Our Students Through: Visiting old age homes and distributing food, clothing and medicines; 'Fast a meal and Feast a grandpa' programme; visiting tribal colony – interacting

with them and helping them; Cleaning the Thevara road and backwaters; protecting our environment by creating awareness through cycle rallies; through human chain formation for protecting backwaters; through posters and seminars; blood donation by the students; conducting medical camp and Janaparvam

Community Orientation: Community Support

- Community to Institution: There exists a good relation between the College community and the local public. The public lends its support whenever necessary.
- The community funds a number of development projects in the College.
- Institution to the community: The contribution of the institution to the community apart from academic work includes:
 - The College has left open its infrastructure such as the Stadium, the Play Ground, basket ball, volley ball courts and the Gymnasium for public use.
 - The College has a forum of blood donors who make themselves available for donating blood whenever there is a need.
 - The College functions as study center for the various programmes of IGNOU, School of Distance Education of MG University, University of Madras, and the University of Pondicherry. The facilities of the College are made use of by the students of these institutions.
 - The NSS unit of the College has adopted 4 villages and a number of awareness programmes are conducted in these villages.
 - The Women's Cell of the College has adopted 20 women of the Nettoor village for self-employment programme.
 - Nettoor railway station beautification programme
 - The College's project for Mangrove conservation and awareness about environment.
 - The College functions as venue for public meetings
 - The College functions as the centre for many competitive and entrance examinations.
 - Chemistry Awareness Programme (CAP) for neighbouring school students

Customer Satisfaction – benefits to the members of the organization and for society: Our institution provides Distance Education facility (IGNOU, Madras University etc). Our playground, conference hall, and library are being used by outsiders with the permission of the management and the Principal.

Overall Development: Our motto, vision and mission statements encapsulate our priorities in the developmental orientation. Various recognitions that have come our

way (R Sankar Award – twice, CPE, Five Star Status etc) have reinforced our resolve to do better. PTA, Management Council, College Council, Staff Meetings, Department Meetings, Committees and IQAC are the forums where planning and organizational parameters are discussed and decided. They are implemented in consultation with the above bodies. Lectures by visiting faculty and experts, personality development classes, soft-skill development classes are organized parallel to the regular academic work to equip our students. Tendered quotations, annual auditing, data management and Purchase Committee etc scrutinize the financial transactions undertaken. Other curricular and co-curricular developmental innovations are discussed in detail in **Criteria I, III and IV**.

Institutional Ambience and Initiatives: The institution has taken initiative in organizing seminars against drug abuse, AIDS, chikungunya, orientation to parents of fresh students on the psychology of teenage students and their problems, professional improvement programmes for the teaching and non-teaching staff. Along with curricular activities, co-curricular activities are also given equal importance by our institution. The staff and the management take active interest in hosting cultural events, festivals, arranging lectures and seminars for the benefit of the student community.

General Discipline: Our College has established in its chequered history of over six decades a good will and reputation as a worthy centre of higher education. In our College general discipline is scrupulously maintained and academic-oriented culture is in place. Even in times of political turmoil, smooth conduct of classes has not suffered. Student agitations are a rare phenomenon in our campus. Free hours are engaged by teachers by mutual arrangement. VLC also compensates free hours.

Educational Innovations: Moving with the times, the College makes use of wi-fi networking, internet, LCD projectors, computers etc. Learner-centered interactive methods have become the order of the day in the College. Department journals, exhibitions on various educational themes, rallies, extension talks, study tours - all add to the information quest of the student community apart from the class room. An active interaction involving students, parents and teachers is a regular feature leading to the overall improvement of the student community. For the swift and efficient retrieval of information we have campus network and DELNET in the library. The College library is also planning to connect itself with the libraries of the nearby institutions on-line. This will enable the students, teachers and research scholars to make use of the rich library resources of these institutions. The e-learning facility is helpful in assigning topics and reading materials to students for

assignments, seminars, and academic debates. It enhances self-learning among students.

Campus Life: A happy blending of academic life with cultural and sports activities is another specialty here. For the past several years the College has been placed among the first five Colleges in the University in sports and cultural activities as well as in academic work.

Sargapadham: Intercollegiate literary pentathlon. This is the only one of its kind in Kerala. The competitions are in Extempore Speech, Quiz, Mock Press, Essay Writing and Group Discussion.

Heart Beats: The official quarterly newsletter of the College keeps the College community informed of the various activities of the College.

The College has made a very serious and concerted effort to equip the institution with technologically advanced infrastructure to make learning more effective (Also see **criterion IV**). About 60% of our students are women and we have been taking special care to provide gender - related sensitizing talks and awareness sessions to our students.

Criterion-wise Summary

Criterion – I Curricular Aspects

Our vision and mission statements enshrine the core of the academic philosophy of the CMI Christian missionaries and we have ever strived to fashion an enlightened and just society of professionally competent, intellectually confident, morally upright and spiritually mature youth.

Though somewhat restricted by the affiliated pattern, the College has maximized its curricular potential through a series of innovative courses, add-on programmes, syllabus-restructuring workshops etc. Our 12 UG/PG Boards of Studies members actively collaborate in the University's curriculum modification and updating. Our own syllabi design and execution, gainful tie-ups, researches and projects as well as the foreign students exchange programmes conducted biannually, have secured for us a creditable academic profile.

Over the years the student participation has been truly heartwarming and phenomenal, especially in the outreach programmes. And the various honours and recognitions - R. Shankar Award (twice), Five Star Status – NAAC, CPE – UGC, Manorama Trophy for sports championship, Palathulli Puraskaram for excellence in environmental protection and conservation – to name a few, have been the testimonials to this balanced vision and approach. On the ICT front, the networking, the wi-fiing as well as the cutting edge audiovisual aids in the course design and knowledge delivery system is unrivalled by any campus in the state. Various vocational - career-oriented schemes and programmes triggered on by the previous NAAC recommendations have enhanced the employability quotient of our students. Practical on-the-job stints and para-academic programmes etc have proved to be especially productive in the future career – orientation.

Criterion II Teaching-Learning and Evaluation: The teacher-learner interface of this College is predicated on the lofty aims and objectives of this institution. Teaching, learning and evaluation are the spokes on which academic life turns and we keep it well oiled by bestowing maximum care upon it. Our admission process is transparent, non-discriminatory and strictly in adherence to the norms stipulated by the University and Government. Women outnumber men and sports quota admissions are adequately supported year round. Notwithstanding our DR being 6:1 for regular courses and 4:1 for self-financing courses, the students we admit belong to varied backgrounds and intellectual levels and so our evaluation and tending begin from day one. We adapt our teaching strategies to their varying potentials. We prod the bright to take on challenges and help the weak to face the responsibilities of life. We alert them all to the extra learning avenues available in the form of clubs, and insist on their joining at least one of them. The handbook offers general guidelines as well as opens a window on every academic, co-curricular and outreach opportunity available. While the outreach, co-curricular initiatives nurture their humanistic potential, the innovative curricular programmes, tutorials etc ensure value orientation; the cultural fests and competitions serve to fine-tune their talents and foster bonding and team spirit among the students.

The last five years have witnessed a considerable transformation in our pedagogical strategy and we have made the delivery system more learner-centred. With the stress on enhancing their confidence level we encourage frequent classroom presentation by students. And we have turned the evaluation too multi-pronged – the terminal exams are supplemented with tests and every semester is rounded off with a model exam. After the analysis of performance made at the Departmental level we arrange interface with the parents and on the basis of the feedback effect

changes in our teaching methodology. These years have seen an increasing application of ICT as a teaching-learning tool. We supplement classroom teaching with seminars, workshops and regular talks by specialists, which contribute to enhancing their awareness and broadening their outlook and also firing their ambitions. The tutorial sessions – hours for common mentoring - and the individual follow-ups when needed have served to enhance the emotional and intellectual profile of our student community. Thus we combine aspects of our age old, time-tested teaching based on direct giving with the fruits of modern technological advances for the proper grooming of our students into smart citizens, competent, confident and daring.

Criterion III Research, Consultancy and Extension: Our different research divisions receiving financial assistance from UGC, DST, and other government and industrial agencies are actively engaged in research in such specific areas as Arachnology, Neurobiology and Ageing, Biotechnology, Marine Biotechnology, Mass Spectrometry and Energy sources with commendable output, recognized nationally and internationally. Foreign travel grants from UGC, Post Doctoral fellowships, nominations in international academic bodies etc have been routine for many of our research scholars. The Research Centres of the College have produced 23 PhDs during the last five years. The publication output of our faculty has been tremendous. 32 articles in international journals and 58 in national journals speak for the persistence of their research efforts. All equipments that assist in research as well as routine academic work have found their way to our science labs. Reference materials and journals (national and international) are available to supplement the various research and publication projects. In consultancy the College's record is indeed commendable and technical expertise ranging from translation and sports management to theoretical Physics, spider biology and renewable energy are made available to the industry and public.

The outreach programmes integrated to the academic curricula are organized for the welfare and uplift of the neighbourhood. Free tuitions to students, voluntary blood donation, protection of environment, visits to the old age homes, tribal colonies etc root our students on lived reality and transform them into socially sensitive individuals. The extension programmes undertaken by the NSS, NCC, YRC and other student-initiatives are opportunities for social awareness as well as true-life encounters where life in all its diverse manifestations and challenges present itself raw to the 'class room bound' scholar. The linkages with international and national universities have helped in creating awareness for upgrading our academic curricula as well as bringing in innovative methods in teaching and research.

Criterion IV Infrastructure and Learning Resources: Since the last visit of the NAAC Peer Team, a lot of advanced equipment and facilities have been added to the existing infrastructure to meet the needs of the newly sanctioned courses, add-ons and the restructured courses. All the 154 rooms have all the basic facilities and PG classrooms are networked with internet access. A beautiful auditorium with 1200 seating capacity, A/c seminar Hall with 150 seats, an A/c conference hall, Marian Hall (250), a seminar hall (100) are some of the spaces for official/common gatherings. Separate office for IQAC, a modernized administrative office, information counter, LAN linking of the Principals office with the rest of the campus, DELNET etc are other highlights. Hostel facilities are provided to the PG men students and women students. The teaching is IT aided in all Departments. The Computer Centre, the Zoology Museum and the Arachnology Study Centre, to name a few, have invited even international attention vis-à-vis the services they render and the academic initiatives they have launched. At the co-curricular front too, innovative, technology-aided infrastructure is provided for soft-skill development and talent nurture. A recording studio, for instance, with cutting edge technology, is quite a rarity in any Arts and Science College in the state. Our sports infrastructure is unmatched. ‘Shape’ fitness centre compares favorably with the best fitness facilities available in the state. An indoor stadium with an area of more than 10,000 sqft is to become a reality soon. An ambitious project on the anvil is the Sacred Heart Institute for Management and Technology, a three storeyed building for Biotechnology, IT and Management Studies. A major immediate future focus will be the utilization of the Lake Front – a distinct geographical advantage of our College – for various water sports. Every facility that is needed for the smooth academic/co-curricular pursuits of our students is provided and their maintenance is carried out by the College authorities by funds mobilized from donations, grants, self-financing programmes, PTA, projects etc.

The library, a major source of knowledge input is computerized with internet, DELNET and reprographic facilities. The Library Advisory Committee, the Departmental Book Selection Committee and the Library Club liaise with each other for a better utilization of this important learning resource. The computer aided learning and administering, networking and wi-fiing have improved the efficiency of academic/administrative functions and the knowledge/service delivery system. The stature of our technology – savvy campus has been further reinforced by the teleconferencing facility at the IGNOU centre, the online TOEFL test centre and the numerous UGC projects undertaken.

Criterion V Student Support and Progression: Student support and progression has been our thrust area, as the management has all along realized that the institution's rationale for existence is its stakeholders. Our 2000- strong student community reflects the country's pluralistic ethos, as they belong to diverse social, economic, linguistic, regional, and religious and caste strata. Women outnumber men. Even with the job -orientation of much of the present curricula, many of our undergraduate students (72%) on completion progress to higher studies such as BEd, MBA, MCA etc. 10% find jobs through campus recruitment drives of various multinational/national firms. The dropout rate is negligible, though some of our science freshers are weaved away by professional Colleges mid stream. The handbook and prospectus given to the students on admission provide the updated list of the wide range of facilities, services and support mechanisms available in the College. Financial assistance of various agencies, SC/ST student concessions, scholarships, endowments as well as remedial classes for weaker students etc serve the objective of reaching out to the needy.

The Counselling Centre, the Placement Cell, General/Departmental libraries, Career Guidance Centre, Clubs and Departmental initiatives combine to provide the spiritual, intellectual and emotional ambience for the total development of our wards. The Grievance Redressal Cell functions at various levels and the Disciplinary Cell works in tandem with it. The feedback mechanism also helps in continuous assessment, vigilance and improvement. In all, the provisions for student support and progression have indeed raised the credibility of the institution.

Criterion VI Organization and Management: The organization and management of our College is transparent, participatory and democratic in spirit. The various administrative and academic Departments work in cohesion with each other and crucial decisions are taken after full deliberation and discussion at various levels. The constitution of the College Council, PTA, as well as other committees is done in accordance with the University norms and parameters. The general staff meeting held on a monthly basis engages itself in deliberating on all matters pertaining to the College's functioning and performance. The Principal meets the Departments individually for greater cohesion and co-ordination. The Manager too interacts with the Departments. Many of our ambitious plans have been inspired by the UGC assistance/ CPE recognition. An array of projects is on the anvil and some, already in place for improving the employability quotient of our students.

A Centre for Management and Technology is an important future project. The beautiful backwater access of our College is soon to be utilized for aquatic sports.

The upcoming indoor stadium will cater to the diverse needs of hosting events. Many of the proposals suggested in the Peer Team visit earlier have been implemented since. All these facilities, services, academic/co-curricular initiatives, faculty upgradation drives and research activities, networking and wi-fiing have encouraged us to move towards the autonomous status.

The recruitment procedures are in conformity with the norms of the University and Government. Guest faculty also serves the institution and self-financing streams in large numbers. The College's appraisal and assessment mechanisms conducted at various levels help make timely evaluation and improvement. The faculty has become computer enabled and net-savvy. In financial management we maintain total transparency. In all, the organization and management of the institution is guided by the lofty principles of transparency, participation and orderliness.

Criterion VII Healthy Practices: The Healthy Practices adopted by the institution are in tune with its holistic vision. Many new practices and schemes have been spurred by the NAAC and CPE recognition. All the infrastructural research-oriented resources and the para-learning support initiatives are instances. The Departmental interface with parents, the progress report analysis, the tutorials, the pro-active role of the PTA, the IQAC and the proper and prompt liaison between the various units of the institution contribute to the cohesion and harmony. Many internal quality check mechanisms are in place with retired faculty and alumni also contributing their share. The IQAC cell with a full time joint-coordinator meets and facilitates the efforts of the College in academic excellence. The efficiency of the academic programmes is ensured through the team - effort of students, management, faculty and parents. IT aided knowledge exchange, workshops, seminars, consultancy expertise etc are some of the other ways of assuring the quality of the faculty and the stakeholders.

The Management Governing Board undertakes the general administration of the College with much care and attention to detail. On the day-to-day administration, the duly constituted College Council regularly meets and implements the decisions. A lot of infrastructural innovations and software for aiding the efficient running of the administration have been executed. The various innovative courses designed by the faculty have found enthusiastic welcome and have been of immense utility for the students. The days of chalk- and -talk have changed to IT-enabled learning. Gadgets, exhibitions and learner -centred methods have proved effective. The library is networked and we have plans to network with the other libraries in the neighbourhood. The 6 Research Centres and the College have collaborations and

tie-ups with many academic and corporate bodies. **Mithradham** is an ambitious initiative for conserving natural energy resources. Eco-awareness and protection is also high on the agenda of some of our faculty. The exotic Zoology Museum attracts a large number of students and public from all over. Various technology upgradation measures have been executed. The College office is computerized with self-developed computer software. Value imparting is high on our priority. Inter-religious prayer meetings, morning anthem written and composed by students, annual renewal programmes, campus ministry, tutorials, lectures on value-education – all build on the spiritual ethos the institution vouches for.

The students routinely undertake social visits under the supervision of the faculty. Various socially sensitive programmes and campaigns have given great impetus to the social awareness and concern of our students. The local community needs are served and integrated to the College's resources in a variety of ways. The commendable discipline, academic ambience, the generous support to cultural activities, innovations in teaching methods, networking and wi-fiing, balanced blending of the spiritual, intellectual and aesthetic realms, and the placement services make our institution worth its present reputation

The Urge and the Hope: The fervour of our founders has spurred us on and here we are after an unrelenting course down these sixty-two years, still racing along with our eyes set on excellence, all round excellence. Excellence to us has been an aspiration and an urge and the conferment of **Centre with Potential for Excellence** on us by the highest academic body of the country has filled us with resolution. We are resolved that this potential shall fructify. And as that happens, we believe we will be given the mandate to chart our course – Autonomy – which according to the NAAC team which visited us last, we rightfully deserve.

C) Sub-Units

C. 1 DEPARTMENTS

DEPARTMENT OF BOTANY

The Department of Botany came into being in 1957. MSc course in Botany was started in 1984. This is the first research centre of the College. The Department brought out 11 successful PhD theses in the last 7 years and documented one entry

in National Innovation Foundation (NIF). The botanical garden is replenished with new acquisition of 150 medicinal plants and a model fresh water pond eco-system. The Department started the add-on course in **Plant Tissue Culture** to enhance the employability quotient of the students.

Profile of the Faculty and Students: There are eight members on the faculty, of whom 4 are research guides. Two members hold M Phil degree and two others are doing research for doctoral degree. The faculty is supported by three administrative staff and one technical staff. The members of the faculty are actively involved in popularizing science and spreading the message of environment protection through popular articles and TV/Radio programmes. The Department has always maintained high academic records with an average success rate of 96% at UG level and 100% at PG level.

Course Restructuring: The Department actively participated in the restructuring of UG and PG syllabi in 2001 and 2006. Dr. Joseph Jose was the convener for the Botany UG Syllabus revision of the MG University. He was also a member of the PG Board of Studies in 2001. Dr C.M. Joy formulated the syllabus for Environment Monitoring and Management Course. Dr V. J. Dominic and Dr M.S. Francis are the members of the present Board of Studies of MG University in PG and UG respectively. The Department is the registered office of the Kerala Botanical Society. The Society has pioneered curriculum designing by organizing workshops for teachers in Botany from the Colleges affiliated to the MG University. Dr Joy P. Joseph was the founder secretary and present Executive Member and Dr V.J. Dominic is the President of the Society. The Department formulated the syllabus of the add-on course in **Plant Tissue Culture**.

Enhancement of Learning Resources: The College has a well-stacked general library with 7500 books and 18 Journals in Botany/Life Science section. The Department has 300 books in the reference section. The plant tissue culture lab has been renovated to accommodate the students of the Add-on course. Trinocular Microscope with digital photomicrography, Stereo Microscope, Kjeldahl apparatus, Analytical Balance, Electrophoresis units, etc are also added to the facilities. Computer accessibility with high-speed internet connectivity is provided to the postgraduate students in their class rooms.

Innovations in Teaching and Counselling: We follow ICT enabled lecture methods for student-centered learning. Students are also encouraged to use ICT in their seminars and discussions. Seminars, quiz, debates, workshops, medicinal plant training programmes, field trips, assignments and project works are effectively

carried out under the guidance of teachers. In order to elevate the standard of the dissertations, every year a competition is held for the project work of the students of the PG class. About 20 students are assigned to a mentor who helps in solving the academic and personal problems and those who need further help are directed to the College counselling centre.

Faculty Development Programmes: Teachers of the Department are encouraged to undergo training in various national institutes. Members of the faculty in the last seven years attended 6 international and 70 national/regional seminars. Dr M.S. Francis is trained at Madurai Kamaraj University and CCMB, Hyderabad. The Department conducted workshops on DNA Isolation Techniques in collaboration with Kerala Botanical Society. Teachers are also encouraged to attend refresher courses. A UGC sponsored state level seminar was organized by the Department in 2004 on **Ecology and Economy of Plants**. Dr George Joseph was a delegate at the International Educational Meet held at Kochi from 4th to 7th February 2006. He was also convener to Academic Forum for Vth Global Conference of World Malayalee Council held at Kochi from 1-6 August 2006. Mr. Jacob Varghese and Dr M.S. Francis attended the World Ayurveda Conference in 2002 at Cochin. The former also attended the Vth National Congress on Medicinal Plants in December 2005, at Trivandrum.

Participation in Academic Activities and Extension: Dr V.J. Dominic is in charge of the 'Primrose Nature Club', and renders services in various awareness and extension programmes. The Nature Club and Botany Association along with other clubs and NCC wings backed by the Indian Railways launched concerted eco-initiative for conserving the Nettoor **Mangrove Forests**. Dr C.M. Joy is the Secretary of All Kerala River Protection Council. He is also the member of many other environmental organizations. The Department offers training in plant tissue culture for students outside the College. About 30 students so far have undergone training and utilized the facilities for doing their project work. The Department also offers training in mushroom cultivation to the students of the College through COSIP. Dr M.S. Francis is in charge of the Technology Promotion Club, which encourages students to take up problems with practical importance for the project work. Jacob Varghese has contributed several popular articles in newspapers and journals evoking appreciative responses from floriculturists, horticulturists and farmers.

Thrust Areas of Research, Projects and Publications: In 1988, MG University approved the Botany Department as a Research Centre. Cytology and

Phytochemistry, Environmental Studies, Plant Tissue Culture and Biotechnology, Ethnobotany and Biochemistry are the thrust areas. One project is being undertaken as **Post Doctoral Research Award**. The Department received Rs.12 lakhs from UGC and MG University as research grant during the last 5 years. New equipment such as Spectrophotometer, Trinocular Research Microscope, Stereo Microscope, Electronic balance and Water analysis kit, are added to the laboratories. There are 32 publications by our faculty in journals/proceedings of the symposiums. There is also extensive contribution from the members of the faculty towards popular scientific articles. Mr. Jacob Varghese has made 30 presentations over AIR and has to his credit, 42 popular articles in national and regional newspapers. Dr George Joseph has made 4 presentations in TV channels. Dr C.M. Joy has published 55 popular articles. He is also a Working Group Member of the State Planning Board and observer for UGC/NET examinations. Dr M.S. Francis has released 2 episodes of E-content in collaboration with EMMRC, Calicut University.

Continuous Assessment and Placements: Students are regularly assessed through tests, assignments and seminars. After every terminal examination, progress reports are sent to their parents and remedial measures are taken. Three students have qualified NET and six students have qualified SLET/SET. A good number of students are appointed lecturers in higher secondary schools, Colleges, and others continue research.

Alumni Centre: Alumni Association is functioning effectively under the leadership and guidance of Roy Zacharias, a former student and faculty member of this Department. Every year the alumni meet at least twice or thrice to strengthen the relationship. The well-placed members of the association guide and support the students in their career advancement. They also extend financial support to deserving students. A grand get-together of the alumni with the present staff and students was held in November 2006 to mark the beginning of the Golden Jubilee Celebrations of the Department.

Achievements: The Department has produced 11 doctoral degrees and 32 distinctions including 4 ranks in University examinations. Two members of the teaching faculty obtained PhD degree during the period. Dr V.J. Dominic received student service award in 2000 and Dr George Joseph was the recipient of the Best Publisher Award in 2004. Dr M.S. Francis got Post Doctoral Research Award from UGC in 2004.

Future Plans: The future plans of the Department for the next five years include:

- M Phil Course in Botany
- Short Term Certificate Courses in
 1. Bio-molecular Techniques
 2. Floriculture
 3. Tissue Culture
 4. Mushroom Cultivation
- FIST Financial Support for improving Biotechnology and Phyto-chemistry Labs

DEPARTMENT OF CHEMISTRY

The Department of Chemistry, established in 1945, started BSc Chemistry in 1947, MSc Chemistry in 1962, BSc Industrial Chemistry in 1997, and MSc Applied Chemistry in 2001. MG University recognized the Department as a Research Centre in 1998. UGC sanctioned add-on course in Food Processing and Preservation in 2005. The Department has academic exchanges with various Indian and Foreign universities. An advisory committee headed by former HoD, Prof V.A. Joseph, review the activities of the Department every year and makes valuable suggestions.

Profile of Faculty and Students: There are 18 faculty members in the Department of which eleven are permanent. Others are Guest faculty. There are three Doctorate holders and six M Phil graduates. Four are doing PhD. All are technology savvy and IT enabled and periodically attend orientation and refresher courses conducted by UGC. Many of them are chairpersons or members of various postgraduate and graduate academic boards. There are 18 seats for MSc Chemistry, 12 for MSc Applied Chemistry, 48 for BSc Chemistry and 30 for BSc Industrial Chemistry.

Course Restructuring and Success Rate: The faculty of the Department in consultation with the industry and the professionals formulated the syllabus for BSc Industrial Chemistry and the syllabus for the add-on course in Food Processing and Preservation. Success rate is given in the graph.

Enhancement of Learning Resources: The Department library and the PG reference section in the General Library are well equipped with necessary textbooks, reference materials and research journals. Our labs are among the best in the region with state of the art instruments and glassware. The Department has three PCs with internet facility. The Department availed PG Grant of Rs.1,51,640/- (X-Plan), UG Grant of Rs.99, 330/- and Rs.2,85,742/- from the CPE - Grant for purchasing instruments and books.

Innovations in Teaching and Counselling: The classroom lectures are supplemented by assignments, lab exercises, seminars, literature survey, book review, factory visit, in-plant training, research, dissertations, and exposure to seminars. Computer aided learning is encouraged. In the tutorial system, a batch of 25 students is assigned to a teacher for imparting personal guidance. When need arises help from professional counsellors of HRD/counselling centre are sought. Parent meetings are conducted on a regular basis for each class providing direct interface with teachers and parents.

Faculty Development Programmes: In the last five years, six of our faculty members availed FIP, two for M Phil and the rest for doctoral studies. The Department conducted lecture series in association with the Foundation for Capacity Building in Science (FCBS), besides regular annual seminar. We also conduct a series of endowment lectures in honor of our retired faculty.

Participation in Academic activities and extension: Apart from regular teaching and research, many are engaged in different social and academic activities like Chemistry Awareness Programme (CAP). This is a programme to attract talented students in the field of science. We are utilizing the human resources and infrastructure facilities for the benefit of the teachers and students of neighbouring schools. We organize an inter-collegiate science quiz every year in memory of our beloved Prof. P.J. Joseph. Chemistry Association of our Department conducts activities like seminars, quiz, debate and career guidance programme. Chemistry alumni offer career information and scholarship to students. The Chemistry family get-together – Chemifest - is a unique event of our Department. Our Department organizes a campaign against pollution-Plastic Pollution Awareness Programme (PPAP). Some of our faculty members are resource persons in refresher courses, seminars and workshops. The Department provides consultancy services in setting up labs and training programmes for the lab assistants in the newly opened secondary schools in the locality.

Thrust Areas of Research, Projects, Publications and Collaboration: The major fields of research are Organic Mass Spectrometry, Chemical Kinetics and Polymer Chemistry. In the last five years, we have produced 3 PhD theses and about 160 MSc dissertations. Dr M. George has completed one project funded by KSCSTE (Rs.1, 65,000). A total of 49 research papers in international journals are published by our faculty. We have research collaborations with the following institutes/universities. National institutions: National centre for Mass Spectrometry

at IICT, Hyderabad; RRL; CUSAT, and MG University. International institutions: Mass Spectrometry centre, Washington University in St. Louis, USA.

Continuous Assessment and Placement: For continuous student assessment, we conduct internal examinations, assignments, lab exercises, seminars, on-the-spot quizzes, literature survey, book review, research, dissertation etc. The majority of the undergraduate students opt for higher studies. The postgraduates find excellent placements in industrial research even before their results. More than a dozen students of our PG batches in recent years are placed as scientists in the multinational companies like Biocon, Coco-Cola etc.

Achievements: In recent years more than 10 of our PG students and 19 UG students bagged top positions in the university examinations. 24 students qualified the CSIR/JRF/NET examination in recent years. Most of them are doing PhD in various institutions like IISC, Bangalore, RRL, MG University and CUSAT. Rev Sr. Dr Eleyamma Zacharia has received AIACHE award for her contribution to women empowerment initiatives in the year 2003. Based on the suggestions in the first NAAC assessment report, the Department has started research activities in the fields of Mass Spectroscopy, Chemical Kinetics and Polymer Chemistry. Coaching for CSIR/UGC test and IT- enabled teaching are also introduced.

Future Plans

- To strengthen the research facilities with modern equipment, molecular modeling software etc.
- Development of animated presentations as technology aid
- To make CAP more effective through laboratory training, computer aided audio visual equipments etc.
- Intensive training for national level competitive exams NET, GATE etc.

DEPARTMENT OF MATHEMATICS

The Department of Mathematics is one of the oldest Departments in the College. The College was affiliated to the University of Madras at that time and the undergraduate programme was known as BA Mathematics. Later, in 1982, BSc Mathematics with Computer programming as an elective was started. The postgraduate programme was started in 1999 and in 2001 the semester system was introduced.

Profile of Faculty and Students: The Faculty consists of 5 permanent members with 4 M Phil holders. There are 5 Guest Lecturers in the Department.

Course Restructuring and Success Rate: In order to update the syllabus, the Department recently organized a two-day workshop on UG syllabus restructuring in association with UG Board of Studies (Mathematics), MG University, Kottayam. About 40 teachers from various Colleges attended the workshop. The last syllabus-revision for PG course was made in 2001. Prof Joy Mathew, HoD is a member of the PG Board of Studies. The Department hosted a meeting of the Board of Studies on 14th October 2006 to discuss the revision of the PG syllabus.

Enhancement of Learning Resources: The Department has a computer lab with 7 computers with internet facility and 1 OHP. In addition to a stock of 265 books kept in the Department, the Mathematics section in the General library has 1600 books. The Department also subscribes to 4 journals.

Innovations in Teaching and Counselling: The major teaching method is classroom lectures but students are always encouraged to make use the facilities in the computer lab. We give importance to student-centred learning through assignments, seminar preparation, viva-voice and open discussions. We also motivate the students to attend seminars organized by nearby Colleges. Lectures by invited faculty from other Universities are conducted every year. The Department started a state level seminar for postgraduate students and teachers in 2003. It is organized annually as Fr T.M. John Therezhath Endowment Lecture. There is a tutor-ward system in the College and 25 students are taken care of by a mentor.

Faculty Development Programme: Cyriac Antony is doing research under FIP of the UGC. M.P. Sebastian has already registered as part-time research scholar in Cochin University. W.T. Paul participated in 2 international, and 6 National seminars and one refresher course during the last five years. Prof Joy Mathew participated in one National seminar. The faculty participated in many regional seminars.

Participation in Academic Activities and Extension: Prof Joy Mathew is a member of PG Board of Studies. He is also a member of Kerala Mathematical Association (KMA). Cyriac Antony is a member of Indian society for probability and statistics (ISPS) and Kerala Statistical Association (KSA). W.T. Paul is an executive committee member of Kerala Mathematical Association (KMA) and he served as president and secretary of the society of St. Vincent De Paul of our College. Now he is the treasurer of the society. Jose P. Joseph is the staff secretary of the College. To promote ability in basic Mathematics, the Department started "Basic Mathematics Learning Programme" (BMLP) last year, for the students of other disciplines. This is intended to equip the students for various competitive

examinations. The Department is actively co-operating with Quality of Life Enhancement Programme (QLEP) 2006 promoted by the Department of Economics. Under this programme the students and faculty of our Department give free tuition to 60 poor students of a nearby Govt. High School.

Thrust Areas of Research, Projects, Publications and Collaboration: Cyriac Antony is doing research in Reliability Analysis, Financial Modelling and Econometrics. M.P. Sebastian is doing part-time research in Operator Theory. He also publishes textbooks, companion series and solved question papers for both science and commerce students of +1 and +2.

Continuous Assessment and Placements: Periodic assessments of students are done mainly by conducting internal assessment tests, class tests, seminars and assignments. The performance of the students is assessed in the Department meeting and steps for improvement are suggested to the students and parents in the PTA meetings, which follow all internal assessment tests. The Department is arranging career-oriented seminars for students by well-known professional agencies like TIME, NIIT etc.

Achievements: M.P. Sebastian received Rev Dr Dan Thottakkara Publishing Scholar's Award for the year 2004-05. Gibin George P secured 1st rank in BSc Mathematics in 2000-01. He is currently doing research in Canada. Arun K.R. secured 1st rank in BSc Mathematics 2001-02 and he is a research fellow at IIT, Kanpur. In the last five years 8 students from the Department cleared SET/NET. Ms Indu. P secured second place in classical dance in the Inter-university Youth Festival held last year in Hariyana.

Future plans: The Department has clear vision for the years to come. We aim at:

- Computer aided teaching in all courses.
- A training centre in Mathematics for Plus-Two teachers.
- A centre for equipping the students for various competitive examinations and interviews.
- Continuing the 'Basic Mathematics Learning Programme' for the students of other disciplines.

DEPARTMENT OF PHYSICS

The Department of Physics was started under the able leadership of Prof C.J. Daniel, an eminent Physicist in 1956. The Department started BSc in 1956 and MSc with specialization in Computer Science in 1995. Later on the specialization was changed to Electronics, with a view to facilitating students' option for higher

studies. In 1995, Mithradam (Renewable Energy Centre) was started as an extension service centre of the Department in collaboration with the government of Germany. The Department was elevated as a Research Centre in 1998. With the aim of enhancing job- oriented academic initiatives, an add-on course was started in 2005 aided by UGC.

Profile of Faculty and Students: The Department has a faculty of 10 members of whom 2 are PhD holders and 2 M Phil graduates. One faculty member is a research guide. While teaching remains the main thrust, research options are given its due weightage. The Department attracts students from many places including the Lakshadweep.

Course Restructuring and Success Rate: The Department prepared the syllabus for an add-on course last year. Three of the faculty members participated in UG and PG syllabus restructuring workshop. In BSc, the student strength is pegged at 40, as professional courses wean away our students midstream.

Enhancement of Learning Resources: During the last five years, the Department has started a lending library of its own. The Department has acquired more computers and availed internet connection. The Department has purchased an OHP, sophisticated oscilloscopes, lasers, ultrasonic generator and a powerful electromagnet to cater to inter-disciplinary projects of the students.

Innovations in Teaching and Counselling: A healthy teacher-student rapport is a significant feature of the Department. The Department organizes seminars, workshops and talks of academic interest. In the last five years, renowned scientists, Dr Reji Philip (RRI), Dr Jin Jose, Dr Ambika, Dr K.P. Satheesh and Dr Thomas Thundath gave lectures and interacted with students. The faculty involve not only in the academic formation but in the character formation of students also. The Department conducts a cultural fest 'Fusion'- to foster greater bonding between students and the faculty. A mentor takes care of a batch of 20 students in providing holistic development, vis-à-vis tutorial sessions

Faculty Development Programmes: In the last five years, two teachers were awarded M Phil (FIP). Teachers participate regularly in orientation as well as refresher courses, national, international seminars and workshops in and outside the state and publish research articles. One faculty member won the best seminar paper presentation award in a national seminar. In the Xth plan, two teachers have availed FIP for their PhD programme, and one has already submitted his thesis.

Participation in Academic Activities and Extension: Four members of the faculty are life members of Indian Association of Physics Teachers (IAPT). The Department is a centre for the competitive examination conducted by IAPT at the national level for the last 5 years. One faculty is the Chairman for the first and the third semester PG Examination Board and also Pass Board. The Department has a newsletter – “Spectrum”. Our extension conferences at the state, national and international levels are conducted regularly at **Mithradam** under the able leadership of Rev Dr George Pittappilly. The Department conducted a workshop on innovative Physics projects open to students of neighbouring Colleges and schools. Our students participated in many quiz competitions conducted by several agencies and Colleges. In 2005, one student presented a paper at a national conference at St. Xavier’s College, Palayamkottai.

Publications by Faculty Members: The Department faculty has published two papers in the international journals and presented several papers in the national and international seminars.

Continuous Assessment, Placements: Continuous assessment is made by conducting test papers regularly and giving assignments. Also, students are assessed by means of seminar presentations and projects. Faculty members are also subjected to assessment by the students every year. Department meetings are held frequently to analyze various issues including examination results. Open house for parents is conducted for all classes. Most students after their graduation join MSc Physics, MCA or MBA. Even though most of the students after their MSc go for teacher training programme, some select the software field and a few opt for research and M Tech by qualifying GATE and other examinations. Last year, one of our PG students joined as research fellow at Twent University, Netherlands. In the last five years, 32 students have cleared the SET.

Achievements: The Department has renovated and remodeled the general, electronics and computer labs with the latest scientific parameters.

Future plans: In order to keep up with the fast changing global scenario the Department has on its anvil:

- Extension of Internet facility to all classrooms.
- Modernisation of all the PG class rooms by installing LCD projectors.
- Starting tie-up with research centres such as CUSAT, RRI and RRL to facilitate research initiatives.

DEPARTMENT OF ZOOLOGY

The Department of Zoology was established in 1952 with BSc Degree course under Madras University. MSc course was launched in 1959. Students of the first batch established a remarkable record securing the Ist and IInd ranks in the University. Ever since, the Department has maintained good academic tradition, under Kerala University and now, Mahatma Gandhi University. The Department was recognized as a Research Centre by the University in 1994. The Department celebrated its Golden Jubilee during 2002-03.

The innovative teaching and learning methods, splendid infrastructure, a magnificent museum and animal house, a well-equipped library, active research, numerous publications, a rich legacy of alumni and coveted FIST- award are unique to this Department.

Profile of the Faculty and Students: The Department has 8 members, of whom, 6 are PhD holders and 2 M Phil. All the members are well acquainted with computer aided teaching and are regular users of the internet. The members regularly take part in research and other academic activities such as refresher courses, national and international seminars, conferences and workshops in India and abroad. All the teachers regularly publish articles in various journals of national and international repute, periodicals and dailies. The faculty members are life, ordinary members of many academic and professional bodies. 369 students (UG) and 102 students (PG) were admitted in the last five years. 82.1 % in UG and 95% in PG were women students.

Learning Resources

a. Infrastructure: The Department has five lecture halls with two well-equipped computer, internet, DELNET, a seminar hall, two well equipped MSc laboratories and one BSc laboratory. There are also 3 full-fledged research laboratories. The Department has a series of computers, which are interconnected with LAN and are linked to the internet, DELNET facilities. UG and PG students have access to these facilities. In addition, computer and internet have been installed in the 2 Postgraduate classrooms. The Department has a separate instrumentation room with modern equipment such as Trinocular Microscope and Stereo Zoom Microscope with digital camera attachment, Stereo Microscope with Image Analyzer, OHP, UV Visible Spectrophotometer, PH meter, Ultracentrifuge, Water Analyzer with Sensor, Hygrometer, BOD Incubator, Refrigerator, Distillation Unit, Electrophoretic Unit, Microtome, Incubator, Magnetic Stirrer, Refrigerated High Speed Centrifuge, Deep Freezer, Homogenizer, Electronic Balance, Inhalation Chamber, Kjeldahl's apparatus etc.

b. Museum: The Department has a magnificent museum with a fascinating collection of over 2500 specimens. Established in 1952, along with the establishment of the Department, it is the largest and the most spectacular among the Zoology museums in Colleges in Kerala. The specimens on display have been collected from various parts of the country and abroad. The notable specimens include Duck-billed Platypus, Echidna (Spiny Ant-eater) and entire skeleton of whale and elephant.

c. Academic Activities: The Department has organized lectures on life of whales, diagnosis and management of Leptospirosis, heart diseases facing the youth and heart transplantation surgery, recent developments in Biology, new trends in Neurobiology, women empowerment and its current relevance, new trends in Microbiology and cruelty against animals. The Department also organized a national seminar on higher education, jointly by the Zoological Society of Kerala, in which, Vice Chancellors of 3 universities and many eminent educationalists participated and presented papers. The Department also conducted a national conference on “Animal Taxonomy – Emerging Trends” with a good number of papers presented by delegates from different parts of the country and a workshop on “Biotechnology Tools in Animal Science” for teachers of M.G. University. The Department conducted another seminar on “Bioinformatics” along with an IT exhibition and another seminar on “South Indian Butterflies”.

d. Zoology Association: The Department has a Zoology Association with HoD as the president and students as members of the executive committee. A teacher of the Department serves as the student advisor. The association aims at conducting various curricular and co-curricular activities and programmes like poster exhibition on environmental issues, talks by eminent persons from the field of medicine, ecology, biology, AIDS Awareness Programmes etc. The Green-Oscar winning documentary film “The Eighteenth Elephant”, “Only an Axe Away”- a film on Silent Valley and “The Bitter Drink”- on the issue of ground water depletion were screened in the Department. The Association also conducts every year, exhibition of the museum for the students of the College and nearby schools. The students and staff of the Department have instituted 10 endowments and scholarships to enhance, encourage and inspire zoology students. Many eminent scientists and academicians visited the Department and interacted with the students during the last five years. Dr Aditya Choudhary of Green Peace, Dr J.R.S. Alfred, Director, ZSI, Calcutta, Dr Lalji Singh, Director, CCMB, Hyderabad, Dr Rameswar Sigh JNU, New Delhi, are some of the most famous names.

Innovations in Teaching: The Department has switched over to computer aided teaching in addition to the routine teaching method, enabling students to understand more through internet and other sources. The Department also conducts seminars, workshops, trainings and exhibitions, study tours and field studies. The students have been given training in internet browsing and use of many types of softwares related to learning and education, in addition to the topics in the syllabi.

Faculty Development Programmes: In order to make the faculty acquainted with recent developments in the field of biology, they are encouraged to attend seminars, conferences, workshops, refresher and orientation courses. Two of the faculty are currently pursuing doctoral research.

Continuous Assessment: The students are continuously assessed through monthly test papers, terminal examinations, seminars and assignments. PTA meetings are held half- yearly to evaluate students' progress. Weaker students are identified and remedial coaching is given to them. The students are given feedback forms to evaluate the teacher concerned twice a year.

Fund for Improvement of Science and Technology (FIST): The Department was awarded FIST in 2004 by DST, New Delhi. The Department purchased various modern equipment that enhance teaching, learning and research.

Thrust Areas of Research, Projects, Publications and Collaborations: The Department is an approved Research Centre of MG University, Kottayam. 5 members of the Department and 3 teachers from other Colleges are approved research guides of the centre. 15 scholars are pursuing their research under them, out of whom five are full time research scholars. The Department has identified 3 specific research areas where active research is going on - Arachnology, Neurobiology of Ageing and Marine Biotechnology. There are 2 major and 3 minor ongoing projects funded by the ICAR, UGC and Ministry of Environment and Forest. Two major projects have been completed with a total outlay of Rs 40, 82,000. 2 PG students got research grants to do their MSc project from the Science, Technology and Environment Council, Government of Kerala. The faculty has published 39 research papers, 106 popular articles and other publications in national and international journals, periodicals and dailies, in the past 5 years. The publications of the Department also include the students' endeavors like manuscript magazines – Chrysalis, Halcyon, Papillon, a wall magazine – Acta Zoologia and a newsletter – Nova Zoologia.

The Department collaborates with various organizations and institutes like CIFT, Cochin, CMFRI, Cochin, JIWAJI University, Kurukshetra University, National

Institute of Immunology, University of Hohenheim Stuttgart, Germany and Baroda University. The Department has also signed an MoU with the CCMB, Hyderabad, facilitating training in molecular biology, both for the faculty and the students.

Ph. D Awarded and Submitted: Ms Manju Varghese was awarded Ph.D. in the year 2003, under the supervision of Dr T.J. James. Mr. Sunil Jose and Mr Nandakumar A. submitted their thesis in 2006 under the guidance of Dr P.A. Sebastian and Dr Philip Mathew, respectively.

Achievements of Students: The students of the Department won prizes in various competitions conducted by the Zoological Society of Kerala for Zoology students of MG University. The Department also won the 1st prize for the Best Manuscript Magazine of the University thrice. The Zoology Association was also adjudged the best among the Colleges of the University in 2004-2005. Four students were selected for the RD parade at New Delhi. Seven students also qualified the UGC (NET) and one each the GRE and GATE during the last five years

Extension and Outreach Programmes: The Department conducted two blood grouping camps in collaboration with the NSS unit and the Youth Red Cross of the College. In 2005, the students celebrated Christmas with the motto '**Fast a meal, Feast a grandpa**', by sacrificing one meal and celebrating Christmas with the inmates.

Mangrove Conservation: The faculty and students participated wholeheartedly along with fellow students, in the conservation and restoration of mangroves and mangrove fauna at Nettoor, near the College. The students also joined in the cleaning and beautification of Nettoor railway station.

Science Awareness Programme: One faculty member conducted a weeklong Science Awareness Programme (SAP 2000) for higher secondary students, sponsored by DST, New Delhi.

'Sandhvanam': The students of the Department also participated in the program 'Sandhvanam' aimed at understanding the problems of ageing. Students of I and II year BSc Zoology regularly visit the old age homes along with the faculty giving care, nursing and compassion to the poor and hapless inmates.

Community Development Programme: Dr T.J. James was the Secretary General of Alzheimer's and Related Disorders Society of India (ARDSI) and participated in its community development programme among the old age persons of Cochin area. He was also instrumental in giving awareness on the symptoms and care of Alzheimer's patients in the national scenario.

Extension and Consultancy: Two of the faculty took part in the Television Education programme of State Education Department, Govt. of Kerala, which was telecast in the 'Keralam' channel of Doordarshan in 2003. Many members of the faculty are resource persons and give talks in various Colleges and for professional bodies. Many of the faculty offer consultancy service in the field of Arachnology, Biotechnology, Histopathology and Histochemistry and in Zoo Diversity to students and researchers of various institutes, Colleges and schools.

Future Initiatives: The Department intends to start MSc Biotechnology course (self-financing). A microbiology lab with laminar flow facility will soon be installed. A proposal to conduct Training Programme in Arachnology has been sent to the International Foundation for Science for approval. A study on the population density of mosquitoes in the Cochin corporation area has also been proposed. Training in various aspects of computer, IT, seminar presentation, and clinical laboratory techniques have been planned for the UG and PG students. The Department also intends to bring out some patented biopeptides in the near future

DEPARTMENT OF ENGLISH

The Department of English, co-eval with the College, is one of the first English Departments of the erstwhile Kerala University to offer postgraduate education. Along with the MA course we offer an innovative vocational BA English (Copy Editor) course. Started in 1998, it was the first of its kind in the state. With its unique combination of contemporary modules, this vocational model has been replicated by many Colleges later. Each year, since its inception, the Department has produced exceedingly good results and our alumni continue to leave their distinctive mark in their chosen fields. These bear ample testimony to the dedication and assiduous diligence of our faculty down the years.

Profile of the Faculty and Students: At present, the Department has on its roll 9 regular faculty members and 6 guest lecturers, with one PhD and 5 M Phils. One of our teachers is engaged in research. Many among the faculty hold additional degrees like B Ed, M Ed, PGDJMC and PGCTE.

We have in the present year 13 students in II MA and 18 in I MA. There are 21 students in Final BA, 20 students in Second BA, and 25 students in First BA. 90% of our PG students and 70% of our degree students are women. The BA English (Copy Editor) course we offer includes, English Language and Literature, Copy-editing and Publishing, Information Technology and Computer Application. Our PG Course - MA in English Language and Literature comprises 15 core papers and 5 electives.

The Department also offers a Certificate Course in English. Started as part of our Project EngPower initiative, this is known among students as the 'pep' course. This forty-hour programme of six modules is meant to raise the confidence of our students and to goad them on to the career corridor. While we charge a nominal fee of Rs. 350 for the participants of this course, we are offering a similar combination of modules to our NCC cadets without charging any fee, from 2004-05. It has been well received by the students and highly appreciated by the NCC officers. We have signed an MOU with the British Council, Madras, for offering Business English Certificate Course.

A Centre for Fine Arts is functioning under the Department from 2002. P.J. Philip is the co-ordinator of Music club and Sr. O.J. Rosily of Dance club. Film studies is included in the curriculum of our MA students. We complement our classroom discussions with screening of some of the works prescribed. Occasionally we screen feature films and clippings from world classics. We, in collaboration with Cochin Film Society, have conducted a couple of film appreciation programmes for our students and for the public who are members of the society.

Course Restructuring and Success Rate: The PG course underwent a significant change with the commencement of the semester system in 2001. Prof. T.T. Joseph of our Department who was a member of the Board of Studies of the University played a crucial role in the restructuring exercise. The phenomenal success of the BA Model II Vocational English course we started in 1998 has made us venturesome and we organized a one day workshop on model II syllabus restructuring this year, with participation of teachers, alumni and students of different Colleges that offer this vocational combination. We have consistently produced good results. Success rate is given in the graph.

Planning of activities: We begin planning for every year sufficiently in advance – right from the end of the previous year. We have Department meetings every second Thursday at 11 O'clock. It is at the first meeting of the year that we fix the portions for every term. Plan proposals and decisions are taken in a very democratic manner on the basis of consensus. We collect feedback regularly from the students. Open house is held twice a year. These 'Open Houses' are lively whole-day programmes, which parents and students eagerly look forward to.

Enhancement of Learning Resources: A combination of facilities gives our students the right ambience for learning and for the exercise of their creative potential. The four notice boards of the Department serve not just as information

channels, but as awareness posts and mind setters. One of them displays career calls we get from prospective employers.

Orientation lectures by experts from media are given to our BA Copy Editor students on a regular basis. Enrichment sessions are arranged for them to raise their awareness level and equip them for future challenges. Those students of MA class who come from disciplines other than literature are given foundation lectures. Assessment is done through snap tests and terminal exams, assignments and seminars. Weak students are identified and given special coaching. We encourage group study where slow learners are helped by their brighter peers. The Department sees that the economically challenged students are taken care of.

We have a well-equipped PG library for the use of our MA students and the faculty. It functions from 9 to 5 on all days except second Saturdays and Sundays. With its rich collection of theory-related books, our PG library is considered to be one of the best in the University. It has around 9000 books and a few journals. It is accessible to our alumni too. The General library too has around 7000 books related to English literature. It has a special section for BA English (Copy Editor).

Innovations in Teaching and Counselling: The distinctively close rapport we have with the students facilitates free exchange of ideas. Seminars, class room discussions and paper presentations go a long way in familiarizing the students with the subject, and in moulding them. We have a mentoring system in the Department in which every teacher is entrusted with around 25 students. In addition to the combined tutorial session every month, the teacher conducts periodic counselling to understand and resolve the problems of students. We make use of power - point presentations, and OHP to make the classes more effective. We have a Computer Lab with 12 machines for the exclusive use of our students. Since our MA course has a paper on Film Studies we maintain an archive of classics in World Cinema. Our students make use of the DELNET facility available in the College. Our BA students have to undergo an obligatory internship with the media. They conduct an annual brochure exhibition and occasionally contribute news stories to local dailies.

Faculty Development Programmes: K.M. Johnson of our Department is on FIP and completing his research on “Narrative as History: The Search for a Counterculture and an Alternative Nation in the Works of Amitav Ghosh”. All our teachers have attended orientation/refresher courses. 5 members of the Department have attended various international/national seminars. We have organized six national seminars and one regional seminar for teachers in the last six years.

Participation in Academic Activities and Extension: Our teachers conduct remedial classes for students who need special care. The permanent members of the faculty are actively involved in the conduct of University examinations and valuations. P.M. Sebastian and T.T. Joseph have served as chairman, Pass Board; Chairman, Board of Examiners and Chairman Viva Board several times for PG and degree examinations. All others have served as examiners on the MA and the UG panel.

As part of extension activity, our teachers gave training in communicative English to the teachers of S.H.U.P.S. The calendar and handbook including the school anthem of the Sacred Heart Public School Thevara were prepared/written by P.J. Philip of our Department. T.T. Joseph has for several years been lending his services to the School of Distance Education of MG University in its conduct of Viva and examinations at outstation and overseas centres like Calcutta, New Delhi and UAE. T.T. Joseph is a quiz master so well recognized that the Association of British Scholars have made him their quiz master for Kerala. P.M. Sebastian is an official BEC trainer of British council, Trivandrum. Thomaskutty Mukadan has till recently been co-ordinator of Distance Education of MG University. Sr. Rosily is counsellor in charge of education of the SABS congregation. Besides being coordinator of the Dance Club of our College, she is the 'Campus Women counsellor' recognized by the University. Thomas Thiruthanathy has published a book on Magazine Journalism and has been on the board of question setters of CUSAT and on the board of external examiners of Sree Sankaracharya University of Sanskrit, Kalady. Jose Abraham is a counsellor of the Indian Red Cross and co-ordinates English language extension classes. K.M. Johnson and P.J. Philip offer consultancy in editing. John Francis, in addition to being director of the 'Scribblers' our creative writers club, is involved in the extension activities of the Economics Department at Maradu. Moreover the Department functions as the hub of all editorial activities and has come to be called the College's Editorial Guild. Seven of our degree students are part of the NGO 'Make A Difference' and offer training in English and basic arithmetic to the students of orphanages in and around Ernakulam.

Continuous Assessments: We have two different patterns of assessment - one for the Semester programmes BA English Copy Editor and MA English) and another for the annual programmes (UG courses). For the semester programme we adopt a modular assessment model, which by its very nature makes it continuous. We regularly give snap tests on topics covered. In addition to such snap tests we conduct pre-examination tests just before the University exams which students call

model exams. It is based on their performance in these tests and their assignments- two in each paper- and their seminar presentation that we grade them. We make this grading a combined exercise and then convert that into marks for internal assessment. For those who follow the annual pattern we hold terminal exams and class tests.

Placements are effected through 'Career Bay', which functions not only as an awareness builder on careers, but also as a placement cell. We display the career calls we get on the notice board and contact our alumni too when there are suitable openings. 80% of the PG students who passed out during the past five years are employed. Several of our BA students who passed out recently have received media related placements. Last year three of our BA students got campus placement offers; two of them joined. This year five of our BA students have already received placement with Google and thirteen with Infosys. We expect 90% of the present third year batch to get placed by the time they complete their final year exams. Vrinda Varma of BA third year has been made 'Campus Ambassador' by Infosys.

Alumni Our Alumni Association got a boost with the start of the BA English Copy Editor Course; its membership has swelled by another two hundred. The Alumni Association of the English Department meets every year and keeps informed of the developments in the Department and the College. They offer suggestions and help us in our various activities. The presence of a dozen of them in key positions with the media organizations around Ernakulam is a matter of pride to us and they provide all the help we need, both academic and general.

After the first Assessment: Quite a few developments have taken place since the last NAAC assessment. The Department library has added 1900 books. General library has set up a special section for BA English (Copy Editor) students with 600 books. The language lab is getting shifted to the new state of the art computer lab; the number of terminals has gone up from 12 to 30. We have set up a film archive. Use of OHP has become more frequent. With the Project EngPower initiative we have started 'engpowering' the campus. We have given added impetus to our career awareness drive and placement efforts and given it a local habitation and a name - Career Bay. We have organized a syllabus-restructuring workshop for BA English (Copy Editor) and sent the recommendations to the Board of studies. Our Department and MA classrooms have got networked. Ten of our students have received media related placement and several more, with other firms. BA English Copy Editor students have become a target for talent hunters. Fr. George Koyikara Endowment Lecture got instituted. We instituted an 'Excellence Award' for the best

outgoing BA English (Copy Editor) student. Our MA students won 2 first ranks and 1 second rank. Preethi Sreenivasan set a new record in the university. And our BA English (Copy Editor) students won one first rank, one second rank and one third rank.

Faculty Improvement Initiatives: The Department of English of S.H. College Thevara can legitimately stake claim to having set in motion the seminar culture in this part of the state. Dr Dan Thottakara Memorial National Seminar has so far had 8 editions. The national seminar has acquired distinctiveness by selecting contemporary, often inter-disciplinary subjects for its topic and by drawing participants cutting across a spectrum of disciplines. Illustrious scholars Dr Aiyappa Panicker, Dr Susie Tharu, Dr Tejeswini Niranjana, Dr V. C. Harris and Dr Udayakumar and eminent figures from the public domain Sashikumar of Media Foundation Chennai and Rajsekhar, editor of Dalit Voice, Bangalore were resource persons for this seminar during the last five years.

Dr. Dan Endowment Lecture is an annual one-day programme instituted by colleagues of Late Fr. Dan for the benefit of PG students. Fr George Koyikara Endowment Lecture is yet another annual lecture—a one-day programme instituted by his colleagues of the Department to cater specifically to the students of BA English Copy Editor. In addition to these we organize a few more career talks every year. This year we had a whole day programme on Journalism and Creative Writing by Shine Antony, author of Kardamom Kisses. We are hosting a seminar on English in Context: Corporate Communication in January 2007.

Future plans

- First on our priorities during the next five years shall be the conversion of our Department into a Research Department.
- The success of the PEP programme has put more such initiatives on our radar. We shall think of an Engpower Academy, which would offer a battery of courses like IELTS, TOEFL, GMAT, GRE and NET. The Career Bay we recently set up will function as the springboard for these forays.
- We shall turn the present 'PEP' course into a full-fledged certificate programme and extend it to the public.
- We shall continue the syllabus restructuring efforts we recently initiated and extend it to the PG course as well which will eventually form the outline for an autonomous syllabus.
- We shall study the feasibility of offering a modular diploma course in Advertising and Public Relations. And once autonomy is accorded, which we

believe will certainly be, we shall frame and offer a clutch of credit programmes catering to the varying competencies and aspirations of our students and open that to the public as well.

DEPARTMENT OF ECONOMICS

The Department of Economics was established in 1944. The Department offers BA degree programme in Economics with Political Science and History as subsidiary subjects. MA programme in Economics was introduced in 1959. The Department became an approved Research Centre in 1994 and offers PhD in Economics.

Profile of the Faculty and Students: The faculty consists of 10 members including two lecturers in Political Science and one in History. We have three members with PhD and four with M Phil. One faculty member has submitted his PhD thesis. One teacher is doing Post Doctoral Research. The present Principal of the College Fr A.J Saviance is also from the Department. Three external faculty members are associated with the PhD programme of the Department.

Course Restructuring and Success Rate: A new restructured syllabus for MA Economics was introduced in 2001 and the Department has introduced optional papers in Economics of Health and Education, and Management. The Department has produced eight PhDs so far. We are maintaining good success rates both in BA and MA courses.

Enhancement of Learning Resources: The Department of Economics has taken several measures to enhance the learning resources in the past five years. The Department has four computers and an Internet connection. The Department also has an OHP and a 29" TV and DVD Player. The Postgraduate library has 7010 books and 26 journals. The Postgraduate library also has DELNET facility, and a good collection of CDs and VCDs. The CDs and VCDs cover a broad range of subjects like Internet, Personality Development, Econometric softwares and other environmental issues. Institutions like Centre for Development Studies, Trivandrum, RBI, and State Planning Board regularly supply their working papers and other materials to the postgraduate library.

Innovations in Teaching and Counselling: The Department has moved from the conventional lecture method to teaching with E-based learning. The faculty uses audio-visual aids for classes. The Departmental library and MA classrooms are net worked. A separate well-equipped seminar hall with LCD facility is set up with the UGC CPE fund and teachers are given special training to equip themselves with the modern methods of teaching. Besides, we also have a lot of training programmes

for the students like group discussion and interview training, preparation of project reports, field survey programmes etc. Extension lectures by resource persons from other Colleges and Universities are arranged to improve the academic standards. To improve the academic performance and to impart personal guidance to the students we have introduced the tutorial system. For every 25 students one tutor is assigned. Besides, remedial classes are arranged for weak students for improving their performance.

The Department of Economics in collaboration with the Mathematics Department organizes a Basic Maths Learning Programme (BMLP) for the final year BA Economics students. The objective of the programme is to enhance the arithmetic and numerical abilities of the students. The Department organizes Union Budget Analysis every year after the Union Budget.

Faculty Development Programmes: Three teachers have availed of the FIP fellowships offered by the UGC in the last five years. Teachers also participate regularly in Orientation as well as Refresher Courses. They participate in national seminars and workshops in and outside the state and publish research articles. Participation in Academic and Outreach Programmes: Faculty members actively participate in academic and administrative programmes. Fr A.J. Saviance is the Principal of the College now. Dr Siby Zacharias is a member of the Undergraduate Board of Studies in Politics. Dr V.T. Jose is a member of the Postgraduate Board of Studies from 2006 onwards. Prof K.C. Abraham was a member of the Panel of Subject Experts in Politics for the period 2001-05. Dr K.V. Raju was member of the panel of question paper setters for the BA, M Phil and PhD programmes of the Cochin University of Science and Technology, ICFAI University, Hyderabad, and Kannur University. Fr A.J. Saviance, our Principal, is the Co-ordinator of the IGNOU study centre in our College. Captain Alphonse Ligori is the faculty in charge of the National Cadet Corps of our College. Fr Gilson John is the Director of the Career and Guidance Centre of our College. He is also the faculty in charge of the Jesus Youth. Madhusoodanan Nair and P.E. Cherian have served as NSS programme officers. The Department under the supervision of Dr Sibi Zacharias has undertaken tribal visits to Pullimedu (Nelliampathy), Kalchady (Palakkad) and Anapandam (Palakkad) to create awareness among tribals about various social issues. The team also supplied food and dress. Prof K.C. Abraham is the co-ordinator of Speakers Forum. The members of the forum have brought many laurels to the institution.

The Department of Economics has a prestigious village adoption programme, **Janaparvam**. After conducting a sample survey of four wards of Maradu Grama Panchayath, the Department has identified 100 BPL (Below Poverty Line) families for its programme. The objective of the project is to provide quality education to Upper Primary and High School students of BPL families for a period of 10 years. The programme also visualizes periodical evaluation and monitoring of the standard of living of the beneficiaries.

Thrust Areas of Research, Projects, Publications and Collaboration: The Department of Economics is a Research Centre in Economics of the M G University. It has produced 8 PhDs. Currently 12 research scholars are doing research. One is doing Post Doctoral research. The faculty members published nine papers in the last five years. The Department has undertaken four primary surveys in the last five years. Dr Sibi Zacharias conducted a survey among 500 Tribal families belonging to seven tribal communities in Kerala to assess their socio-economic and political status. He also conducted a primary survey among 58 primitive tribal families of Kadar community in Kerala to analyze the micro level impact of tribal development programmes on this community. Dr V.T. Jose conducted a sample survey among 450 families of Maradu Panchayat, Kochi to evaluate the socio-economic consequences of urbanization and land use pattern change in this Panchayat over three decades, from 1971-2001. In 2006, Mr Madhusudanan Nair and Dr Jose V.T conducted a Quality of Life Enhancement Survey among 100 BPL families in Maradu Panchayat to understand the present standard of living and socio - economic conditions of these families.

Dr Sibi Zacharias has completed a project on “Micro-level Impact of Tribal Development Schemes among the Kadar Tribe of Kerala” in 2003. Dr V.T. Jose completed a project on “Urbanization Process and Changes in Land Use Pattern in Kochi Urban Congglomeration” in 2003. The Netherlands Government through the Centre for Development Studies, Trivandrum sponsored both the projects. The Department collaborates with the Maradu Grama Panchayath for its various outreach programmes. It also collaborates with the Department of Applied Economics, Cochin University of Science and Technology, for various academic programmes.

Continuous Assessment and Placement: Students are continuously assessed through regular class tests, seminars and assignments. After each terminal examination, progress reports are analysed with the parents. PTA meetings are held. Weak students are given special guidance and coaching. Majority of the students of

the MA programme takes up employment after their course completion. Some of the students go for higher studies like PhD, M Phil, MBA, BEd etc. Four students have passed the NET during the last five years. Majority of the students of the BA programme go for higher studies like MA, MBA and B Ed. In the last couple of years, however, a lot of students have taken up employment through campus recruitment. Many of our students are well placed as Government officers, College lecturers, Executives in various organizations etc. In 2006, companies like Progeon, Fidelity and Genpact have come for recruiting students and a number of the final year BA students got selection in the above-mentioned companies. In 2005, Mr Diwesh Sehara, a former student of the BA programme, was selected for IAS.

Achievements: Students from the Department regularly perform well in the academic and co-curricular activities. Mr Anish P Rajan got IInd rank in BA Economics in 2002. Ms Sonya M.H. of BA Economics got IIIrd rank in 2005. Ms Parvathi Poornima obtained the first prize in the prestigious short story contest conducted by Vanitha Magazine in 2004. Dr V.T. Jose a faculty member obtained the UGC Post Doctoral Fellowship in 2004. Four of our students have passed the NET in the last five years. Dr Sandeep Sreekumar, an alumnus of the Department, obtained the prestigious Rhodes scholarship and completed his PhD from Oxford University.

Future Plans: The Department has specific goals and vision for the next five years. Apart from strengthening its academic and research programmes, it visualizes strengthening its outreach programmes. Specifically

- As part of the Golden Jubilee Celebrations of the MA programme, National Seminars, Alumni Fest and inter-collegiate competitions are to be organized.
- Annual National Lecture Series on Union Budget Analysis
- Extending the Prestigious JANAPARVAM Programme to other Wards of Maradu Panchayath.
- Strengthening the e-Learning facilities of the Department.
- Plan to publish a Departmental News Letter.
- Plan to organize at least one national seminar every year.
- Intends to organize more programmes for the soft-skills development
- Plan to introduce new add-on courses in tourism and security markets.

DEPARTMENT OF ORIENTAL LANGUAGES

The Department of Oriental Languages comprising Malayalam, Hindi, and Sanskrit, started functioning simultaneously with the establishment of the College in 1944.

French was also part of the Department. Our academic options are limited to second language teaching alone.

Profile of Faculty: The Department consists of 5 members, one is a PhD. The faculty handles a combined class of 80-90 students in UG level second language classes. Students opting Sanskrit as second language are comparatively small in number. The Department has regularly maintained a high success rate during the last 5 years.

Enhancement of learning resources: Among the learning resources, we make use of our Department library effectively. Our students can utilize the Department library for their study, reference and assignment work, as part of internal assessment tests. A CD collection of classic films are also maintained in our Department library and we often conduct film shows and appreciation sessions as part of curricular film study. With the help of the computers in the Department we prepare study materials, various notices, brochures and handouts.

Innovations in teaching and counselling: The Department usually conducts discussions, debates and gives written assignments about various literary topics for the enhancement of the students' academic and social awareness. Malayalam and Hindi quiz competitions are conducted in connection with the 'Keralapiravi' and Hindi Week celebrations respectively, every year. A large number of students actively participate and benefit from these competitions. Our students are involved in the process of publishing our College periodical news magazine - 'Heart Beats'. Thus students familiarize themselves with various aspects of publishing work. Mathew Jose of Sanskrit faculty has served as the chief editor of this newsletter for the past three years.

Hindi faculty members, headed by Dr K.K. Paulose prepared more than 200 students for the Hindi 'Pre Test' programme, conducted by Dakshin Bharatiya Hindi Prachar Sabha. Hindi faculty members give special tuition and coaching to students and the results have been outstanding. In the year 2003-04, 3 students secured first rank and one got second rank. The Department was awarded with a trophy and a citation for maximum participation in the Pre-Test. K.G. Narayanan of Malayalam faculty led a delegation of 30 students to participate in the one-day film appreciation workshop, conducted at St Albert's College, Ernakulam, in 2003 and 2004. As a part of the II year degree syllabus, the same programme was organized in our College by Joby Joseph of Malayalam faculty, this year. The 'Literary Club' and 'Writers Club' of the College function under the supervision of Malayalam faculty. These clubs play an important role in promoting the literary talents of the

students. Department of Oriental Languages conducts monthly remedial classes for weak students during Saturdays and free hours.

Faculty development programmes: During the last five years, two of our faculty attended refresher courses. Four teachers participated in the national seminars. This year the Hindi faculty organized a one-day workshop in our College, on the newly restructured degree syllabus for second language. Twenty teachers and 15 PG students from various Colleges participated in the programme.

Participation in Academic Activities and Extension: Dr K.K. Paulose is a member of the Board of Studies of Hindi of the MG University. Department of Oriental Languages plays a crucial role in the conduct of the prestigious all Kerala intercollegiate literary pentathlon, 'Sargapatham'.

Assessment of Students and Teachers: The Department conducts monthly and terminal examinations for internal assessments and the results of the examinations are intimated to the parents. At the end of every academic year, the Department collects students' feedback about each faculty member.

Future Plans: We plan to begin a triple- main degree course in Oriental Languages.

DEPARTMENT OF SOCIOLOGY

The Department of sociology of this College is one of the earliest in South India. It came into existence and became the first Sociology Department under Kerala University in 1964. It has produced more than 1,300 Sociology graduates over the past 42 years.

Profile of Faculty and Students: There are three teachers in the Department, of whom two are M Phil holders. Currently two teachers are doing PhD. The Head of the Department Rev Fr Abraham Kallarakkal CMI has been a member of the Board of Studies of Sociology for the last five years. Now there are 120 students - boys and girls. The students are actively involved in the activities organized at the College level and at the Department level.

Innovations in Teaching and Counselling: Apart from the conventional classroom lecturing, we conduct seminars, group discussions, field visits, visit to old age home, voluntary organization visits, industrial visits etc. Each teacher who is in charge of a class gives personal attention in academic and non-academic matters to the students. Class teachers are in charge of organizing various outreach programmes in consultation with the Head of the Department. Furthermore, the students are given extension lectures. Personal counselling is also undertaken. Rev

Fr Abraham Kallarakal, always takes special interest in giving guidance to needy students. After the midterm/first term examination, a class-wise meeting of the PTA (open house) is held to discuss the performance of their children. We have prepared a comprehensive question bank for each paper and the faculty members handling each subject are required to update it in accordance with the change in the pattern of university examinations.

Enhancement of learning resources: The Department has set up a special section in general library where more than 4500 books on Sociology are made available. We have two computers with internet connection. Students from various classes are assigned to routinely display socially/sociologically significant issues on the notice board. Students are also encouraged to conduct group discussions on contemporary socio-political topics and the teachers guide each session with appropriate suggestions.

Faculty Development Programmes: Two of our teachers are doing PhD. During the last five years the faculty members and students attended 5 conferences organized by Kerala Sociological Society. Furthermore, our faculty attended 6 refresher courses, 2 orientation courses and 4 national seminars. Students are encouraged to attend seminars, workshops organized by different Departments and agencies. During this period, the Department has organized a state level seminar on consumerism and its impact on society.

Continuous Assessment and Placement: The Department assesses the performance of students through various methods like questions, periodical tests, assignments and project work. Results of terminal examinations, performance of students in classroom discussion and their participation in curricular and co-curricular activities are communicated to their parents. The Head of the Department often meets the weak students and gives proper guidance for their betterment. Smart students' interest in studies is further catalyzed by giving them extra academic work. During the free hours students are encouraged to organize group discussions on sociologically relevant-issues. Final year students are required to undertake project work on a relevant social topic. During the last five years students undertook almost 80 project works covering manifold aspects of social life. The reports submitted by students are kept in the Department for future reference.

Students have the option to evaluate their teachers. Students are required to fill up the questionnaire supplied to them. These questionnaires comprise of both open and close-ended questions conveying the various facets of teaching. They express their evaluation without disclosing their names. In addition, faculty members encourage

students to share their grievances during the tutorial sessions. The Department conducted a survey to generate a feedback about the existing pattern of the functioning of the College. The final year students are motivated to utilize the placement services provided by the College. A substantial number of our alumni are MSW, MBA or MA degree holders. Some hold responsible positions in different organizations. A number of students go abroad for employment/studies in management courses.

Participation in Curricular and Co-curricular Activities

The Head of the Department, Fr Abraham Kallarakal is a member of the College council. He is the coordinator of the College counselling centre. Benny Varghese is in charge of NCC Naval wing. The NCC (Naval wing) unit of this College caters to the various needs of the Old Age Home at Thevara Ferry. The Department publishes manuscript magazines containing the literary and artistic contributions of students every year. The 2005 magazine Magnacarta of Humanity was reckoned a milestone in the campus publishing history. R.K. Varghese served as staff secretary for one year. He is the coordinator of the social survey club of the College. The Department also has been organizing rallies, demonstrations and street plays on different socially relevant occasions like world AIDS day, Women's day, anti-pollution day, anti-cola awareness etc. The Department organized a number of exposure programmes for our students, such as industrial visit, visit to old age home, visit to children's village and visit to deaf and dumb school. The other activities organized by the Department include talk on areas like pain and palliative care, mental health, problems of youth, problems of adolescence, role of youth, impact of media on youth, family education and social life and personal formation of youth. Another unique feature of the Sociology Department is 'Socio-fest', a cultural festival of sociology students, which is celebrated with a number of socially relevant performances.

Course Restructuring and Success Rate

Rev Fr Abraham Kallarakal, HoD is a member of Board of Studies of Sociology, MG University. Our Department has been trying to bring about considerable changes in the course curriculum of the UG course according to the latest trends and requirements in the field of Sociology. The HoD convened three special Department meetings to think about the required changes to be introduced in the course curriculum. The students were also invited to give their proposals. The dropout

level of our students is negligible. The Sociology Department has had an average 92% success during the last five years.

Former Students' Association: The Association of Former Students of Sociology (AFSS) functions as a link between the former and existing students in the Department. It organizes various programmes of social importance.

Future plans: We have envisaged the following plans for the Department.

- To put pressure on the Board of Studies to modify the syllabus in accordance with the changes in the subject and to give more focus on practical/field studies.
- To establish link with voluntary organizations and other welfare associations boards/Departments to provide opportunity for the students to have on-the-job training.
- Organize more society/community-oriented activities to make students more socially sensitive and responsible, setting an example for the entire campus.
- Frame new strategies to make students more socially aware and alert.
- Make group discussions, seminars etc a part of routine academic activity.

DEPARTMENT OF COMMERCE

The history of the Department of Commerce dates back to the history of the College itself. Sacred Heart College Thevara was one of the four Colleges in Madras University and the first College in Kerala to start BCom degree course in 1944. The Department started the Postgraduate course in 1961 and it became the Centre for Research in Commerce in 1998.

The Department has organized five inter-collegiate seminars jointly sponsored by Commerce Association and Alumni Association of the Department. Apart from this, various professionals who are the former students of the Department conducted 17 lectures, relating to the developments in commerce, industry and banking.

Profile of Faculty and Students

There are 7 teachers in the Department of whom 3 are PhD holders and 4 M Phil. One of the teachers is the Fellow Member of the Institute of Company Secretaries of India and two have degree in Law as well.

There are, on an average, 70 students in the degree class and 22 students in the postgraduate class from different parts of the country. The Centre for Research has 27 scholars. The number of students applying for UG and PG courses has increased over the years.

Three Research Guides for Doctoral programmes, recognized by Mahatma Gandhi University and one research guide recognized by Madurai Kamaraj University, Bharathiar University and Indira Gandhi National Open University, two guides recognized by Bharathiar University for the MPhil programmes are working in this centre. The Centre has produced 3 PhDs, 4 MPhils, and 3 MBAs during the last 5 years. Another 3 candidates have submitted theses for adjudication and 5 candidates have submitted their synopsis for adjudication procedure. 16 candidates are doing research with 4 full time participants.

Course Restructuring and Success Rate: Dr K.X. Joseph was the member of M Com Board of Studies of Mahatma Gandhi University for the last four years and is the member of the Core Committee of Master of Finance and Control Course conducted by Mahatma Gandhi University since 2005. Our success and dropout rates are given in the graph.

Enhancement of Learning Resources: Apart from a well-furnished computer lab, the Department has set up a reading room for the faculty, PG students and research scholars. Journals and newspapers, including back volumes related to business, industry, and commerce and information technology are made available. Routine academic programmes are supported by the use of OHP, internet and computer.

Innovations in teaching and counselling: Breaking the monotony of classroom lecturing, innovative teaching and learning methods are adopted by the faculty. Case analysis, discussions, visit to factories, stock exchanges, observation talks, project works on travel, tourism, marketing, business, trade and commerce etc greatly supplement the class room routine. Regarding counselling, each teacher looks after the counselling needs of 25 students on an average throughout the year, and special cases are directed to the College counselling Centre.

Occasionally the PG students substitute for faculty on leave and engage classes for graduates. This experience has been immensely fruitful. The Department also engages classes on Saturdays, before and after scheduled College timings, particularly to compensate the classes lost. Special extension lectures are arranged with the faculty of other Colleges, banks, insurance companies, software companies etc to nourish and spice up the academic programme.

Parents meet is scheduled twice a year, immediately after the I and II Terminal exams. For weaker performers in model examination, parents meet is arranged on a selective basis.

Faculty Development Programmes: Two of our teachers have secured PhD, one has secured LLB and DFA, and another one has secured M Phil degree during the last five years. Faculty members have attended 8 national seminars, 18 state level seminars, 10 inter-collegiate seminars, and 40 other seminars organized by Management Association / Professional bodies like, Institute of C.A, and ICWAI.

Participation in Academic Programmes: Dr K.X. Joseph is presently working as the editor of the Research Journal on Humanities and Business Studies, Chief-Editor of the Working Papers from Centre for Research, Co-ordinator of the Community Development Centre of the College, and the Fellow Member of Bhaba Institute of Management (BIM) Udaipur as well as the Centre For Dissemination of Appropriate Rural Technology (CDART), Kerala. Dr K.X. Joseph is a recognized Research Guide of Mahatma Gandhi University, Bharathiar University, Madurai Kamaraj University and Indira Gandhi University. Over the last five years he has served as the Chairman of Doctoral Committees, Chairman and Adjudicator for the award of PhDs, Board of UG and PG examinations including M Phil degree of various Universities and as the member of board of question setter for UG and PG examinations of different universities in India. He has worked as the Programme Officer of National Service Scheme for a period of 10 years. He is working as the president of S.H. College Staff Co-operative credit society since 2003. Sishu Seva Bhavan, Aluva, honoured him with an Award for Excellence in Social Work at district level, for the year 2005. T.S. Sojan, a senior faculty member is the advisor of the in-house magazine of the Department. He is an approved Research Guide of Bharathiar University to supervise MPhil programme. He actively participates in the extension activities through Kudumbasree, and Self Help Groups, for the eradication of poverty and empowerment of women. T.P Thomas, who is a fellow of the Company Secretaries of India and a graduate in Law, is a visiting faculty of the Institute of Company Secretaries and Institute of Chartered Accountants of India. T.P. Thomas is a renowned consultant on matters relating to corporate affairs, registration of co-operative societies and charitable trusts. He is also the Co-ordinator of the College Placement Cell. Dr Stanly Chazhoor, who has secured additional degrees in Law and Education, is a visiting faculty of the Institute of Cost and Works Accounts of India, Institute of Company Secretaries of India and an expert in Consumer Guidance and Consumer Protection. He has been working as the director of S.H College, staff co-operative credit society since 2003. He is an approved Guide of Bharathiar University since 2004. M.M. Dominic, a rank holder in M Com has an additional postgraduate degree in Economics. He is working as the Director of Teacher's Welfare Fund for the past 8 years. Consultancy services

relating to investment schemes, Chit Funds, and Loan schemes are rendered by M.M. Dominic. Johnson John, who is doing research work, is actively engaged in the conduct of remedial classes for our students and social work at panchayat level, particularly for supporting the school-going children of the poor families. He is actively engaged in providing training programmes for the members of Kudumbasree and Self Help Groups in matters relating to accounting.

Thrust Areas of Research, Publications and Collaborations: Banking, Finance, Tourism and Marketing are the thrust areas of research leading to the degree of Doctor of Philosophy. To foster the research aptitude and talents of the students, small projects are undertaken particularly from the establishments run by former students of the Department. For organizing seminars and making publications, the alumni of the Department give support and sponsorships. The State level Mega Cultural Fest - TANDAV is conducted by the Department through alumni sponsorship.

Working papers are released from the Research Centre based on the work done by the MPhil and PhD scholars, registered in this centre. Abstracts of projects/dissertations at MBA, M Com and M Phil level are made available in CDs. More than 500 printed materials of these sorted on subject/discipline-wise are available in the Department for reference.

Continuous Assessment, Placements: Internal class tests, terminal examinations and model examinations are conducted for UG and PG classes. The performance of the students in these examinations, their attendance level and other matters relating to discipline are communicated to the parents/guardians/wardens from time to time, at least twice a year. This ensures discipline in the campus and excellence in university examinations.

We have secured two first ranks and one second rank for BCom degree examination, one first rank, three second ranks and three third ranks for the MCom degree examinations of Mahatma Gandhi University over the last five years. We are really proud that the first, second and third rank for M Com examination of the last academic year are bagged by the Department. We consider it as the outcome of the sincere team effort of the faculty.

In the last 5 years 25 students from the Department have passed CA/ICWAI/ACS; seven students have cleared the NET, 21 students cleared SET and another 20 students have joined in various executive posts in bank/insurance companies and one has joined as an officer in the Defence Service. 8 candidates were placed through campus recruitment in the executive cadre in the past 2 years.

Industry Linkage: Faculty from different service industries are invited regularly for interactive sessions. The alumni provide support for market surveys on remunerative basis. This indeed is a scheme to foster the habit of 'earn while learn'. Young entrepreneurs from in and around Cochin are invited to the Department to make frequent interactions with UG and PG students who are interested in entrepreneurial ventures.

Future Plans

- Take up many minor research projects funded by University/ UGC.
- Conduct 2/3 national seminars.
- Publish research journals on Finance, Marketing, Banking and Rural Development.
- Provide training to young entrepreneurs through the Community Development Centre of the College.
- Bring out a team of faculty to create awareness among the school going students, particularly in the rural areas, about the scope and reach of commerce subjects.
- Offer consultancy.

DEPARTMENT OF PHYSICAL EDUCATION

Physical education and Sports is not only a supplement to the academics but a significant component of holistic education, with tangible value-addition to the stakeholders' well being. The College cherishes a very proud tradition of sports and it can claim among its alumni sportsmen of national and international reputation. The College provides ample facilities for athletics, major games, indoor-activities and martial arts. It also has a well-furnished health club with excellent facilities, open to the public as well.

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. It has won the coveted MANORAMA TROPHY for the best College in sports three times. 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 Departmental activities include: Sports Quota admission through trials and interviews, coaching camps of one-month duration, apart from the regular tournaments and practices supervised by Kerala Sports Council and MG University coaches. The Department organizes MG University inter-collegiate championships, district, state and national level tournaments every year. Every student's progress to sports, academics – is monitored and scholarships, fellowships, grace-marks from University, Sports Council, SAI and other agencies are made available. Outstanding sportspersons' placements are facilitated by the Department.

The Department's other major focus include: PROFIT- Promote Fitness, an ambitious project, revolutionizing the concept of body care; SHAPE - Health Club with Multi-gym, sauna and steam bath; Walkers' lane; Officials' facilities for sporting events; Track and field for various sports; Camps in Games and Athletics for children under 15 years; Technical know-how on sporting surfaces and Sports infrastructure for public utility.

Profile of Faculty and Students: The Department has one permanent faculty and he is doing PhD. There are two Guest lecturers in the Department. One is a qualified NIS volleyball coach and the other who works as the health club administrator is a Judo international referee. This year we have fielded the following teams in men and women section for the University inter-collegiate tournaments.

Men section- Athletics, Basketball, Volley ball, Ball badminton, Shuttle badminton, Weight lifting, Power-lifting, Wrestling, Body building, Table Tennis, Yoga, Chess, Cricket, Cycling, Boxing. **Women section-** Cycling, Wrestling, Yoga, Judo.

Most of our players are socially and regionally disadvantaged and financially poor.

Enhancement of Resources: Apart from the available facilities many modern fitness equipment are added to 'Shape'- a fine Fitness centre. We now have an indoor flood-lit volleyball court, a modernized matted Judo, wrestling and Yoga centre. We recently purchased a new Sit and Drive Grass Cutter. We also provide facility for net practice in cricket.

Innovations in Training: Though we do not receive any financial assistance from the government for sports hostel facilities, we provide hostel facility for our volleyball team. More than 60 students avail the free food facilities from the College canteen during coaching camp. The College teams for the various games are given special training both in the morning and evening on weekdays.

Participation of Teachers in Academic Training and Personal Counselling of Students: Our faculty monitors not only sports achievements but also the academic progress of the students. Effective counselling is given to improve the calibre of the sportsmen. The Department looks after the welfare, academic progress and moral development of our sportsmen.

Participation of teachers in other activities: K A Raju attended 2 national seminars on Physical Education and Sports Medicine. Very often the faculty members are invited as officials to organize the state and national level Athletic, Judo, Volleyball and Basketball competitions. They also serve as members of various selection committees at the university and state level. K A Raju is a member of the University Board of Physical Education, Sports Scholarship Committee and the Secretary of College Physical Education Teachers Association. He is also the Vice - President of the State Judo Association and President of the District Judo Association. He was the General Convener of Junior National Judo Championship – 2004, Junior National Girls Handball Championship and National Beach Handball Championship 2005 held at Kochi.

Extension activities: As part of our extension activities, we organize summer camps in basketball, athletics, judo and football for school students. A regular judo class is also conducted for the public and students. The faculty members arrange classes on the latest trends and developments in sports field for the benefit of students. Significant achievements of the Department:

Overall Positions in the MG University:

1999- 2000	Winners [Manorama Trophy]
2000- 2001	Runner- Up
2001- 2002	Runner- Up
2002- 2003	3 rd Position
2003- 2004	Winners [Manorama Trophy]
2004 -2005	3 rd Position
2005- 2006	Runner –Up

The College teams won 34 University Championships, 25 Runners up, 17 third positions and one state championship other than private inter-collegiate basketball and volleyball tournaments. Judo men team won the MG University and district overall championship 12 times in a row. The Department organized 10 inter-collegiate university championships, 10 inter-district championships and 5 district level and 2 nationals in various games. 196 students represented the University and state and 10 students were selected to represent India. Ajinth L. Dennison secured

gold medal in the Asian Junior Power lifting Championship and Silver Medal in the World Junior Power lifting Championship in Korea and Russia respectively.

Methods of Continuous Student Assessment: Coaches record the duration of the training periods, physical fitness, progress in performance, significant achievements, etc on a regular basis. Remedial coaching, if needed, is undertaken on the basis of the data collected. Achievers are given recognition by cash awards and felicitated through PA system during class hours.

Plan of Action: Sacred Heart College Sports complex: The famed Lake View grounds of the College lie close to the Vembanad Lake. The proximity to the still waters of the lake and the geographical location of the College call for the formation of a water sports complex of international standards in Cochin. There is no such facility available in Kerala at present.

1. Water Sports: Wind surfing, Rafting, Sailing, Kayaking, Canoeing, Power boating Water skiing, Water scooter, Water cycle, Standard 50 metres Swimming pool.
2. Indoor Stadium for Basketball, Volleyball, Badminton, Tennis, Table Tennis, Yoga and Meditation; Aerobic centre and Rifle Shooting range.
3. Sports Physiotherapy centre and Post-injury Treatment Centre: The main objective of this project is to help the injured Athlete/Player recuperate quickly to pursue his/her practice and training for competitions.
4. Scientific conditioning Centre: Cochin is a centre of professional teams in football, volleyball, basketball and athletics. Hope that the College can extend assistance to these teams to improve their physical and motor fitness.
5. Physical Training Centre: Training for the Physical Test of military services and police recruitment etc.
6. Centre for excellence: Basketball, Volleyball, Athletics and Judo
7. BP Ed course in Physical Education
- 8 PG Diploma in Health and Fitness Management

DEPARTMENT OF AQUACULTURE

In order to meet the ever-increasing demands of professional manpower in Aquaculture and related fields, the College started the Centre for Aquaculture Studies in the year 1994-95. In 2004 the course was transformed into four semester-job-oriented PG course in Aquaculture and Fish Processing. It is a self-financing vocationalised course, in which the students are given on-the-job training in various

seafood processing plants and aquaculture farms in order to equip them for employment as successful researchers, managers and supervisors.

Profile of Faculty and Students: There are 4 faculty members including visiting faculty and one technical staff. Two teachers hold PhD degree. The number of students for the current year is 51, with 13 men. Most of the students come from rich background. Only 10% of the students come from economically poor background.

Course Restructuring and Success Rate: Started as a Postgraduate Diploma with specialization in Aquaculture and Post Harvest Technology, Aquaculture course now is a PG programme. It became MSc Aquaculture in 2004 with specialization in Aquaculture and Fish Processing. A new syllabus was formulated, with Dr V.C. George being the Chairman of the committee. The revised syllabus is such that the students are given an in-depth study in all the fields related to aquaculture and fish processing. The first batch of MSc students in this course is getting ready to appear for the final university examinations this year.

Enhancement of Learning Resources: We have a well-equipped Library. A scientifically constructed marine prawn farm, a specially designed pond for crab culture, aesthetically prepared aquarium for ornamental fishes, a commercial multi-species ornamental fish hatchery, a well equipped Microbiological laboratory and a Biology lab with a large number of specimen collection are some of the fascinating learning resources available.

Innovations in Teaching and Counselling: We use slide projection and overhead projectors for teaching the students besides the class lecture. Seminars, quiz, debates workshops, exhibitions, training programmes, field trips etc are also a part of the teaching practice. Every 12 students are assigned to a particular teacher and they will be in close contact with that teacher in solving their academic and personal problems. Professional counselling is recommended when necessary.

Faculty Development Programme: Teachers are sent to various institutions to familiarize themselves with the latest innovations in the field. Training in CMFRI, CIFT, MPEDA etc are attended by the teachers. The teachers also attend national and international seminars. Teachers are sent to ornamental fish farming and hatchery practices for gainful experience.

Participation in Academic Activities and Extension: Consultancy services were extended for farmers by the staff of the Department. Miss Preetha and S.D. Gopakumar are the lecturers of the Department. The Department was awarded I

prize in the International Aqua Show conducted in 2004 at International stadium Kaloor, Kochi. This show conducted at Kochi created awareness in the common people about the scope and prospect of ornamental fish farming.

The Centre has made steady progress both in the academic and industry-oriented activities during 2005-06. The students had actively participated in seminars. They had interactions with the managers of industries and RRD organizations. Dr Mohan Joseph Moolayil Director, CMFRI, gave a talk on Marine Fish. Technical tone was conducted to Aqua farm of Kerala Agricultural University. Students also visited F.O.R.V Sagar Sampada, a Research vessel of the Department of Ocean Development, Govt. of India. Also II batch students have five-day bacteriology training at CIFT, Cochin.

Thrust Areas of Research, Project, Publication and Collaboration: The thrust areas of research are culture of fun fish and shell fish, their nutrition, post - harvest technology and fish-processing. The Department also has a microbiology lab was to assess the quality of harvested seafood. The following institutions give job-oriented training to the students. Inter food Pvt. Ltd., Interfield laboratories Pvt. Ltd., Hatech – Bio systems Pvt Ltd., Rose fisheries Pvt. Ltd. Aiswarya Ornamental fish farm Pvt. Ltd, and Central Institute of Fisheries Technology.

Continuous Assessment and Placement: Students are regularly assessed through tests and assignments. The progress reports are sent to their parents and weak students are given special attention. Most of the students got placements through campus selection. About 20 students of the previous batch got placement in various hatcheries, farms and exporting farms. Some are working as general managers in Aqua Farms and some are technologists.

Future Plans: Apart from teaching, this Department intends to undertake research and extension programmes in Aquaculture and Aquatic culture.

DEPARTMENT OF COMPUTER SCIENCE

Department Profile: The Computer Centre of the College started functioning in 1991. It is an independent research and training centre. This Centre has already established itself as an acclaimed study centre. It has introduced useful computer programmes to suit the convenience of the regular students of the College as well as outsiders. The Centre conducts BSc Computer Application course of MG University. The Centre is fully accredited by DOEACC, Department of Electronics, Govt. of India, for conducting 'O' level course. The Centre conducts Level I, II and III courses. Along with the above approved courses, the Computer Centre conducts

long term, short-term vocational courses and training programmes for other Departments and institutions. On successful completion of these training programmes the participants are awarded certificates. The Centre is also conducting short-term vocational training programmes. The Centre's declared aim is to make every student a computer expert before he/she leaves the College. There are four full-time and two part-time members on the faculty. Four teachers have MCA degree and one is doing MCA. Another teacher is doing BSc IT.

Objectives: To promote

- Learning in Computer Languages
- Object Oriented Techniques
- Application Softwares
- RDBMS Packages
- Client -Server Architecture
- Window based Applications
- Internet Applications and Networking.

The Centre allows students as well as working people to participate in carefully planned professional courses.

Landmarks and Achievements:

- The Computer Centre got provisional accreditation for conducting O-level courses of the Department of Electronics (DOEACC), Govt. Of India in October, 1992 and got the full accreditation in February, 1998 (ACCR No 477).
- This Centre was approved by MG University for conducting BSc Computer Application course on 2001.
- Indira Gandhi National Open University (IGNOU) selected this Centre as Study Centre for conducting CIC, DCO (Jan 1997), BCA (July 1997) and MBA (Jan 2000) courses.
- This Centre was approved by Bharathiar University School of Distance Education for conducting MCA, MBA & MSC (Applied Psychology) courses on July 2001.
- This Centre conducts DCA, PGDCA, Level I, II, III and short term courses.
- This Centre also conducts Computer training programmes for our staff.

Faculty Development Programmes: During the last year, one teacher was awarded 'A' Level certificate by DOEACC, New Delhi. Teachers participated in

the national seminar on Network Technology, conducted by INFOSYS at Cochin and workshop of IGNOU.

Academic Performance: About 205 students have completed PG Diploma course, and are in well-placed jobs in the country and abroad. The co-curricular activities of the Department are organised by the Computer Club and seminars are conducted on a regular basis. We provide upgradation programmes for the alumni in tune with the current trends, and offer telephonic consultancy. The Placement Cell provides job opportunity for successful students of the various courses of this Centre.

Enhancement of Learning Resources: The Department has 60 computers and an OHP. The teaching methodology has witnessed a leap with the acquisition of an LCD Projector. We regularly evaluate students through tests, tutorials, class and lab assignments. The students are required to execute a project and take an end-of-course examination. Grades are awarded on the basis of students' overall performance, with a weightage of 80% for the end-of-term examination and 20% for lab and class assessment. On successful completion of the course the students are awarded certificates. The Centre updates and upgrades new technologies by carefully designing the curriculum.

Continuous Assessment and Placement: Continuous assessment is made by conducting test papers regularly and giving assignments. Students are also assessed by means of seminar presentations and projects. Department meetings are held frequently to analyse examination results. Parent-teacher meetings are held at the end of every term. Several students have been selected by reputed companies like INFOSYS and IBM, TECH MAHINDRA. A good number of students after their degree join courses like MSc Statistics, MSc Computer, MSc IT, MCA or MBA.

Campus Recruitments: During the last five years 25 of our students have been selected through campus interview by INFOSYS. Some of our final year students have already been selected by IBM and Tech Mahindra (Technical)

Student Support and Progression: The Computer club designed by the Centre provides facility to interact with other students of the College using new technologies like internet. The Centre provided technical support for setting up a lab and conduct training programmes for Nirmala School, Aluva and Sacred Heart High School, Thevara. The Centre also provides special coaching for the students of Sacred Heart School and St Thomas School, Perumanoor as part of extension service. The complete technical set up and maintenance of the library software we developed has considerably improved the smooth functioning of the College library. The Centre offers special fee concession for the postgraduates, former S H students

and graduates with high merit. Besides this, the Centre gives reasonable concession for deserving students. The Centre conducts Vacation Courses of flexible duration for school students. Student evaluation is done by conducting the class test and terminal examination. Special coaching is given to slow learners through student coaching programme. Parents' meetings are conducted (open house) after each terminal examination. Special coaching is given to physically handicapped students for PGDCA. Student evaluation is also done by giving assignment and seminars. Library books, periodicals, journals and computer facilities are provided to students.

Seminars and Talk conducted:

- a. Multimedia and Animation seminar by Areena Multimedia, Cochin.
- b. Hardware and Network program by Accel.
- c. Multimedia and Animation program by CAAD Centre, Cochin.
- d. Personality Development Course by Jetking Institute, Cochin.
- e. Preliminary class about MCA and MBA entrance exam by Time Institute, Cochin.
- f. Seminar about personal interview and group discussion by Time Institute, Cochin.

A talk was arranged on Cryptography and Cyber Class Room by Mr Varghese Paul HoD, Information Technology, CUSAT in connection with the inauguration of CASA, Computer Application Students Association on 17th October 2005.

Organization and Management: Rev Fr Cherian Kunianthodath CMI is the Manager of the Computer Centre and Rev Fr A J Saviance is the Director. The Director and the faculty members regularly meet to decide and plan the academic and other activities. The Centre does not get any grant from the Management and the College and is run by collecting tuition fee from the students.

Facilities and Resources: The Centre has a good network of appropriate computers offering a mixed multi-user platform. The hardware environment is a replica of what is typically in use in a large business house for similar purposes, so that students get hands-on exposure to the technology, which they are likely to encounter in their professional life.

In the lab session, two students share a terminal and learn helping each other. The tutor catalyses intra and inter-group collaboration. The Centre has a well-stocked library of books, journals, magazines, CDs. The library subscribes to current periodicals. The Centre has a stand-by television and CD player. The Department has 60 computers, 2 modems, 1 OHP, 1 LCD projector, 1 TV set with VCR, 1

generator, 1 UPS system, 1 Laser printer, 1 Dot Matrix Printer, and 1 Colour Scanner.

Future Plans

- To begin MCA course of MG University and 'A' level course of DOEACC.
- To offer Computer Literacy for all students of our College as part of their educational curriculum.
- To implement a program in computer assembling for all students of our College as part of their educational curriculum.
- To start a learning program for the alumni to update their knowledge and skill in new technologies.
- To conduct Blood Donation Camp in co-operation with IMA Blood Bank, Kochi.
- To give Computer Awareness Program for the public at Thevara.
- To conduct IT Quiz and Seminar for all BSc Computer students under MG University.
- To conduct IT Exhibition by bringing together all the Colleges under MG university.

C. 2 OTHER UNITS

1. **NETWORKING:** Our campus is entirely networked via net-wi-fi method. All Departments, postgraduate classrooms, computer lab as well as all common spaces are interlinked by computer networking. Wi-fing with IGB high-speed switches in 70 points, two broadband connectivities with 512/256 MB respectively, facilitate easy cyber access.

Networking is of immense academic utility. The six Research Centres (labs), use it for multiple tasks; mailing assignments, projects etc and accessing courseware. Since LAN technology is already in place, the e-learning system, supplementing the usual class work, becomes a viable option. The web page of the individual Department serves as an academic calendar and virtual courseware for its students. The Departmental database also provides the opportunity for the parents to monitor the progress of their children from their homes. The DELNET facility has been found to be immensely resourceful.

The admission process and the office procedures are already computerized. The networked computer – lab provides the infrastructure for **on-line TOEFL Exams** – a unique recognition for the College's network proficiency. Digitalizing is taking place at a hectic pace at various levels. The networking

efforts have the ultimate aim of transforming the learning procedures into DLS. In the near future, the College envisages a fully functional video-audio conferencing, wider application of DELNET and free net access for undergraduates.

2. RESEARCH DIVISIONS

a) Arachnology – 1997: The Division of Arachnology is the only centre in South India engaged in Arachnology (study of spiders and related animals) research under the Department of Zoology. The areas of research include taxonomy of the spiders present in Kerala, spiders as bio-control agents, study of the feeding potential of spiders present in rice and vegetable agro-ecosystems and the effect of insecticides on spiders as part of integrated pest management, effect of monsoon on spider population, diversity of spiders associated with human habitation (synanthropic spiders), behavioural study of the jumping spiders of Kerala etc. The Division has so far identified more than 400 species of spiders from Kerala including 35 species new to science. The research finding also include the documentation of 9 species of mygalomorph (primitive) spiders including the tiger spiders (Tarantulas), of which 4 are new to science. The Division has published more than 30 research papers in various national and international journals in this short period. The projects are financed by Indian Council of Agricultural Research (ICAR), University Grants Commission (UGC), Kerala State Council for Science, Technology and Environment (KSCSTE) and Ministry of Environment and Forest (MOEF), Govt. of India. The Division also launched a website on spiders for the first time in India www.southindianspiders.com. Dr P.A. Sebastian of the Department of Zoology heads the Division of Archnology.

b) Marine Biotechnology Studies – 2001: Centre of Marine Biotechnology is actively involved in advanced research in frontal areas of Biotechnology. The Division has a major research project with financial assistance from UGC, New Delhi. At present, studies are focused on the isolation and characterization of proteins from shrimp waste, an important pollutant of the coastal waters of India. Techniques have been developed and standardized to separate proteins from the waste employing eco-friendly method of bio-fermentation in the presence of Lactobacillus sp. Results of the study have been sent for publication in journals of reputation. The Division has also initiated preliminary studies on the isolation of biopeptides from the protein isolates. Biopeptide research is gaining considerable momentum world wide because of its wide application in

the biomedical field for treatment of various diseases. Dr Philip Mathew, Reader in the Department of Zoology is leading the research activities.

c) Neurobiology and Ageing – 1995: The study in ageing is a significant area of research in India today. A few scientists in India have passionately taken up this area considering the need for finding out a formula for healthy ageing. The laboratory in the Department of Zoology is one such centre of research in ageing in our country. The centre is concentrating in the study of biochemical process of ageing in brain. The study veers round the effects of various environmental factors that enhance ageing and the possible means like drugs, nutrients, etc to attenuate the process. Recently, the centre studied the possibilities of targeting certain enzymes that reduce and/or nullify the chances of possible pathological changes that cause with ageing, using liposome as carriers. One PhD degree has been awarded from the Centre. The results of the work carried out at the centre have been presented in more than ten international seminars. Recently, another project to study the effect of deprenyl on ageing process has been sanctioned by UGC. Dr T.J. James, Department of Zoology heads the centre.

d) Mithradham: Mithradham, the first fully solar educational institution in India, with German Government co-operation is dedicated to the promotion of environment and renewable energy, working under the Department of Physics. Solar drying and processing unit and solar photovoltaic centre function in the centre. Various training programmes in solar drying and renewable energy from biomass, exhibitions, national/international seminars, and workshops are conducted. The centre indeed is a glorious milestone in the non-conventional energy resource development in the country. Fr Dr George Peter Pittappillil is the director of the centre.

e) Mass Spectrometry Research Division: The evolution of a mass spectrometer from an analytical tool into a reaction vessel as well as guide tool for synthetic organic chemistry has been a fascinating area for researchers in organic chemistry during the recent years. Our major areas of research include the use of a mass spectrometer for studying the mechanism of reactions, gas-phase synthesis of novel heterocyclic. The main hurdle in mass spectrometry research is its exorbitant cost. The Department of Chemistry has overcome this impediment by entering into a vibrant collaboration with world-renowned institutes in this area such as spectrometry division of Washington University in St. Louis, USA and National Centre for Mass Spectrometry, IICT, Hyderabad.

The centre has published many research papers of international repute. Dr.M. George is the heads the centre.

3. **CAMPUS RECRUITMENT CELL:** Campuses have become the happy hunting ground for many multinational companies around the globe. We have a Campus Recruitment and Placement cell functioning in our College. Our campus too has leading firms knocking at our portals for potential recruits. This has catalysed us to a new mode of organizing our academics and training. The cell is aimed at securing appropriate employment opportunities to the students on completion of their various courses. For this, the cell maintains close liaison with prospective employers in and outside Kerala. In the last two years a large number of employers of various companies and industry-associations visited the College and recruited dozens of students. Google has enlisted our College as one of the most reputed Colleges of the world and one of their permanent recruiting centres. Progeon Ltd has selected this College out of 130 Colleges in the country under their Campus Ambassador Programme (CAP). A number of companies, including Cognizant Technology Solutions, Genpact and Tech Mahindra have shown keenness to visit our campus for recruitment during 2006-07. 35 students of our College were selected and offered placement during 2005-06. Techruit, a Chennai-based H2 Consultancy firm recruited 12 students during 2006-07. Thus a total of 111 students have landed plum jobs so far. In order to enhance the employability of the students, the cell conducts programmes for soft-skill development. Such programmes are conducted with the help of specialized agencies like ICFAI and other soft-skill experts. The objectives of these programmes are: to improve the communication skills in English, to boost the confidence level of students, to help them to identify their potentialities, to guide them to the industries/areas they are best suited for, to assist them to prepare their resume and to help them in their grooming i.e. dress code, body language, good manners etc. Thus the ultimate goal of the cell is to ensure that our students have ample job opening even before they complete their degree courses in the College.
4. **NCC-NATIONAL CADET CORPS – ARMY:** The National Cadet Corps (NCC) provides opportunities for military training and social service to students without imposing on them any obligation for active military service. The immediate benefit of NCC – army and naval wings - training is the improvement in physical and mental abilities, alacrity, cultivation of a sense of pride in smart turn-out and bearing, fostering a sense of discipline and responsibility, forming a sound personality and an aptitude for leadership. The

motto of NCC is 'Unity and Discipline'. The unit consists of 100 members. Suo Devi Aneesh represented Kerala and Lakshadweep in the Republic day camp in 2000 and was selected as the Best Cadet in National Integration Camp at GPT, Kalamassery in the same year. Ex Suo Babu Mon V.J. cleared short service commission and joined as a C.O. in the army. Suo Maxwell David was selected for Youth Exchange Programme to Vietnam. In 2002 Vivek Varghese was selected as the Best Cadet. Anoop Arackalan, Ajith Antony won the Sahara Scholarship of Rs. 5000 each for academic performance. The Girls Wing (Army) was introduced in 2004 with 30 girls. In 2005-2006, along with the routine programmes, various old – age home visits, awareness rallies and trekking paragliding etc. were undertaken by the 100- strong unit.

5. **NCC –NAVY:** In 2000, 9 cadets attended the National Level Nausainik camp, Visakapatnam. Cycle expedition to Idukki, Republic Day Parade, Youth Exchange Programme in Mauritius, Maldives and Seychelles, ATC camp at Kavarathi are some of the programmes in which our cadets participated. While Midhun P. Aravind and Cpt. Sanu Wilfred were selected for the Youth Exchange Programme, Sangeetha K.S. bagged 3 gold medals in the training camp at Goa. Both Sangeetha K.S. and Geetha Lakshmy secured the Sahara India Scholarship worth Rs. 15000/-. Vigilance Awareness Week was organized to fight against the canker of corruption. Cdr. B.S. Iyengar, C.O., gave the Gandhi Jayanthi day message. P.O. Sreejit represented India, in International Sea cadet Youth Exchange Programme in Singapore. While Vivek Menon attended the Indian Military Attachment camp at Dehradun in 2005, Neethu Nadesh won Gold in Boat Pulling competition at Vishakapattanam in 2006. On the humanitarian side, the Cadets conduct PARADIGM, a programme of sharing and interaction with elderly people at the Govt. Old Age Home, an activity greatly-appreciated by civil authorities.
6. **NATIONAL SERVICE SCHEME (NSS):** The NSS with its range of socially sensitive programmes imparts unforgettable non-formal experiential lesson to our student community in a unique fashion. The first NSS unit of our College started functioning in 1976. There are three units at present. The aims of the NSS are to educate the students through community service, to enrich their personality and to deepen their understanding of the social environment in which they live. Although admission to the NSS is voluntary, mandatory it is for a student to render a voluntary service of 120 hours a year on admission. The NSS volunteers organized two mini camps, a nature study camp and a HB vaccine camp at the adopted village. A 10-day special camp was conducted at

Pooyamkutty and another at Thevara, during Onam holidays in 2000. Six of our volunteers attended a Leadership Training Programme conducted by the University. Independence Day, Republic Day, World AIDS day and Teacher's Day are also observed under the NSS initiative.

Two camps, an AIDS awareness campaign in the adopted villages, visit to old age homes and three one-day seminars were the highlights of the year 2002. A special camp was held at S.O.S. Village, Pothy, Thyalayolaparambu. During 2002-03 the NSS units of our College conducted NSS Fest '03, the cultural fest of all NSS volunteers of MG University. 36 Colleges attended. 150 volunteers participated in the district rally conducted by "Janesava", a prominent NGO in the state. The programme officers attended orientation courses and the refresher course conducted at TOC, Rajagiri College of Social Science. A 10-day camp was organized at Govt. Higher Secondary School, Maradu in association with Maradu Grama Panchayath. 120 members actively participated in a massive cleaning drive during the labour week in collaboration with the Corporation of Cochin. 36 volunteers have donated blood to patients in different hospitals during 2002-03.

In addition to all the regular activities, the members organized a camp at Thaikkattukara Aluva in December 2004. 45 volunteers took part in the World Canes Day rally at Ernakulam for the visually challenged and 34 members donated blood to patients. During this 10-day camp organized at Thevara, the volunteers built a small house for a poor family. The members organized a legal awareness programme for II year degree students. The NSS volunteers actively contributed to the success of 'Clean City Campaign' in 2006.

7. **SPEAKERS' FORUM:** Debates, discussions, interactions play a pivotal role in the evolution of an integrated personality with a social conscience. The Speakers' Forum is a platform for students to go that extra mile that saves them from being mere cerebral lotus-eaters. The 30 member strong Speakers' Forum organized 'The Open Forum', a venue for informal interaction on contemporary issues for the staff and the students of the College. The Forum has been a nursery for many an outstanding student talent. Anish P Rajan won the prestigious Dr P.C. Alexander Endowment in All Kerala Elocution Competition and the Rotary International Elocution Competition. He was adjudged the 'Kalaprathibha' at the 'Athagosham'. He won the prestigious Bobby Paul prize and intellectual grant award. Noel George bagged the Best Debator Prize in the Hindustan Newsprint All Kerala Debate, second prize in the Cadbury Brain

Trust and Pondicherry Youth Festival Elocution Competitions. The model Parliament Team of the College came 3rd in the MG University Inter-collegiate Youth Parliament Competitions. As an important landmark in 2002, the Speakers' Forum, published a book "Thevara: History and Culture", by D. Dhanuraj and Anish P. Rajan. The work is a commendable attempt to explore the history of Thevara from 16th century A.D. Dr K.N. Panikker, renowned historian, released the book paying it glowing tributes. The Forum actively collaborates in the organization of **Sargapdham** - an inter-collegiate literary and cultural competition every year. A reception was accorded to Padmasri K.J. Yesudas on his '*Sastipurti*'. The members of the forum, under the aegis of the Rotract, mobilized resources through daily hotel service, which was utilized for the Onam celebrations of Home for the Aged, Thevara.

Dr Sukumar Azhikode inaugurated the activities of the forum in 2003. Our team bagged many prizes in Elocution and debating contests in the same year. Prof M K Sanu inaugurated activities of the forum in 2004, with a talk on the changing nature of Kerala's culture. Santhosh Sebastian, Reshmi and Shani won many laurels for the College by winning various All Kerala Inter-collegiate Elocution and Debate competitions, Open Forum and Youth parliament. The forum organized a talk on Judiciary and Legal Awareness programmes in association with the Legal Club and Women's Cell. A talk on the right to information was organized by the forum in association with the Economics Association and supported by the centre for the policy planning (a registered national NGO headed by Dhanuraj, a former member of the club). The forum also organized "*Hrdya-Sargasangamam*" an intra-mural cultural competition in August 2006, with tremendous student participation.

8. **CAREER GUIDANCE CENTRE:** The Career Guidance Centre provides guidance and literature on competitive exams for professional courses and jobs. The Career Guidance Centre aims at making the students employable in the new millennium. For this, talks on career awareness, orientation and model sessions on how to face interviews, and conduct group discussions etc are organized. A full-time staff was appointed in 2001. The centre organized seminars on "MBA as Career Option", "Studies in Foreign Universities" and how to take part in GD. The centre maintains a special reading room which is open from 9 am to 4.45 pm.
9. **SAMPLE SURVEY AND ANALYSIS WING (SAW):** The Sample Survey and Analysis Wing (SAW) is an academic body consisting of students interested

in statistical methods of collection, analysis and interpretation of data. It provides students an opportunity to understand the importance of studying statistics, as it is an unavoidable tool in almost all research work, especially in social sciences, natural sciences, commerce, agriculture etc. Thirty-three members are actively participating in the various programmes of the club. The club organized an exit poll, and an inter-Departmental quiz on 'facts and figures' in 2002. The club members collected data relating to the unemployment of the educated, district-wise per capita income of the state and the poaching cases of elephants in the Nilgiris. There were 25 active members in the club in 2003. The club predicted the results of the College Union election with 100% accuracy.

- 10. WOMEN'S CELL (W.C):** The women's Cell was set up in January 1990 under the banner 'SWASTI' (Sacred Heart Women's Association for Service, Truth and Integration). It is financially and technically assisted by the All India Association for Christian Higher Education. The objective of the cell is the overall development of the women students in the College through making them aware of their special role in building the society, conscientising them on gender issues, bringing out the best in them, providing opportunities in the form of discussions, seminars, exposure programmes and developing leadership qualities in them. Membership to SWASTI is open to all the women students of the College. The Cell organized a 4-day Inter-collegiate Leadership Training Camp in 2000. Forty students participated in it. A one-day workshop on Mass Media and an inter-collegiate Leadership Camp were conducted by the Cell in 2001. It also organized a one-day training programme in self-employment for a selected group of 20 women of Nettoor, as part of the Women's Empowerment Year programme. The cell organized a free medical camp at Kumbalam in collaboration with the Medical Mission Hospital, Kolencherry. In an inter-collegiate leadership training camp from September 14-15, 2002, 40 participants from 7 Colleges attended. The cell members attended an Inter-collegiate Seminar on 'Mass Media and its Impact on Youth' held in December 2002, at 'Thammaya' Media centre Kumaranalloor. A free eye camp was organized in Cheranallor in collaboration with Kolencheny Medical College, in which 350 patients attended. Ten Colleges participated in an inter-collegiate Leadership camp organized by the Cell in 2003.

An Inter-University South Zone Seminar on 'Globalisation - Its impact on Indian Women, was held on 14th and 15th Feb. in 2004 in connection with the Diamond Jubilee of the College. Sr. Elizabeth Williams of the College attended

an international seminar from 30 May to 2 June, 2003, at Mahendra United World College, Pune on “Empowering Women through Information and Knowledge”. Ms Rashmi M, the president of the Cell was chosen as Miss Personality of 2003, at an Inter collegiate personality assessment contest held at Palai. She was awarded cash and the ever-rolling trophy. Sr Elizabeth Williams, co-ordinator of the Cell was awarded ‘Rev Fr T.A. Mathai Award for innovative teachers, by AIACHE, New Delhi. The members of the Cell participated in the ‘self defense programme’ conducted by TWCA. The Women’s Cell, along with NSS organized a legal awareness session in 2004. A discussion on “Violence against Women” was conducted in the College in Dec. 2004, led by Sr Shirley from Medical Mission. Sr Rosily and Mrs Rajalakshmi attended the basic training course for women counsellors conducted by MG University in 2005. The Cell organized “Beats of Life”, which highlighted the value of human life. The members visited the “Mithradam” on 30th July 2005. A workshop on Soap-powder manufacturing was conducted by the cell in Nov 2005. Members of the Cell attended a quiz contest on “Women’s Issues” at St Peters College, Kolencherry in Oct. 2006.

11. **TOURISM CLUB:** With Kerala’s tourism potential emerging a fascinating growth prospect of the future, Tourism Promotion Clubs have sprouted in campuses across the state. Kochi, the cosmopolitan hub, is poised to impact the scenario in a big way. The Government of Kerala recognizing this decided to hold the state level inauguration in our College in 2002, with great fanfare where thousands of College and school students participated. Justice VR Krishna Iyer, Prof K.V. Thomas, the Minister for Tourism, and Nalakath Soopy, Minister for Education graced the occasion. The Tourism club of the College, launched in 2002, is aimed at creating public awareness in the socio-economic relevance of tourism, its career prospects for students, and to identify the tourist spots in Kerala, which is an exotic picture gallery of nature’s best. The tourists and their contribution to the economy is too large to be ignored. Surveys on foreign tourists, participation in international seminar on ‘Water front Development and Environment Protection’, Quiz, Poster Design competition etc have been some of the highlights in 2005. Trekking trips to tourist spots, adventure trekkings, eco-tourist trips and tribal colony visits have been organized with enthusiastic participation by the students. World Tourism Day in 2003 was observed with a Quiz on Kerala tourism and various folk performances, coinciding with the Onam festivities. Philanthropic measures, clean city campaigns and eco-conservation efforts are some of the other

activities the club successfully organized. DTPC, Ernakulam had provided Rs 20,000/-for the various activities of the club.

12. PRIMROSE NATURE CLUB (PNC): A non-formal system of imparting environmental education to the students by involving them in various activities in society has become the need of the hour especially in these times of insensitivity to nature. The Primrose Nature Club of Sacred Heart College, Thevara has been functioning for more than a decade now. Its objective is to inculcate ecological awareness in students and the public. The club meets twice a month under the guidance of Prof V.J. Dominic and Dr Joy P Joseph. Several programmes were organized in the past. The most prominent among them are Pookkalam competition, Classroom Beautification Contest, Poster Exhibition, Talks on Ecology, Nature Photo Exhibition, Cycle rally, Essay competition, Nature study camps and observance of World Environmental Day. A large number of beautiful potted plants and colourful dustbins in the College premises bear witness to the activities of the club in keeping the campus sparkling clean and beautiful. “Be a Vegetarian and Love your fellow being”, was the message that Dr Bruce G. Fredrich from the **People for Ethical Treatment of Animals, USA**, conveyed to our students on September 20, 2000. ‘Narmada Solidarity Day’ was observed on November 11, 2000. An intercollegiate quiz contest was organized by the Club in 2001. A three-day camp at wild life sanctuary – Shenthuruneey - was an exciting experience for club members in 2001. Thirty members of the club participated in a nature study the Club conducted at Vallakadavu - Periyar Tiger Reserve, Thekkady in 2001. The Club conducted an intercollegiate seminar on “Mangrove Conservation” on April 29, 2002 in our College. Seventy-five members from various Colleges attended.

A breath-taking hill trekking expedition was conducted in Thattekkadu Bird Sanctuary on October 12, 2002. A seminar on “Water Resources Management” was organized at our College in November 2002. Again another nature study camp was conducted in December at Eravikulam National park. 24 students attended it. The high point of the Club activities was the Nature Study camp held at the **Chinnar Wildlife Sanctuary**. Thirty members participated in it. The Nature Club members met Menaka Gandhi at Ernakulam in October 18, 2005. Hon Minister Dominic Presentation inaugurated the **Rain Water Harvesting Unit**, which has a capacity of 50,000 litres on January 26, 2006. Nature club, NSS, NCC, Tourism club, Botany and Zoology Associations made a joint effort with the cooperation of Southern Railways to protect the ‘Mangrove Forests’ in and around Nettoor. The club accorded a rousing reception to the **Mazha Yatra**,

at our College. It was organized by the Kerala State Remote Sensing and Environment Centre. In connection with the 'Wildlife Week' celebrations, the club organized a lecture by Dr S. Sivadas, Liaison officer of Forest Department, Kerala High Court. The members also put up a poster exhibition on 'Wildlife Protection' as part of the 'Chikun gunia' and 'Cleanliness Awareness' programmes.

13. TECHNOLOGY PROMOTION CLUB (TPC): The Technology Promotion Club is the end product of long years of sustained application of the mind. It is a unique forum in keeping with the organizational culture, mission and values. This multi pronged club intends to promote a technology savvy generation that would build a prosperous India. It simultaneously encourages high thinking along with down to earth applications of science. The club envisages a community of teachers and students committed to elevating the standard of assignments and projects. The club will maintain an inventory of topics for assignments and projects of practical significance. Presentation for creating awareness about the latest technological innovation, scientific discoveries of Nobel laureates and their achievements will be made by the faculty or invited guests. The club will organize student interactions with industries, corporate houses and farmers. The inputs will be the basis for future courses of study. The club intends a cash prize for the best project/presenter and a citation for the teacher guide.

14. COUNSELLING CENTRE: Timely personal attention and care have proved to be crucial to the growth and development of many of our wards. Personality disorders, family problems, stress, low self-esteem etc may hamper the growth potential of some. The College Counselling Centre with its team of trained counsellors aims to give guidance to the needy. It teaches the student to evolve a realistic self-image, to use the psychic energy creatively, and to take balanced decisions in life. In all matters confidentiality is maintained. Mrs Devi Krishna was appointed the student welfare officer in 2003. Rev. Sr. Rosily was appointed counsellor for women in 2003. The directors of the centre are Fr. Gilson and Fr Abraham Kallarackal CMI.

15. SEMESTER AROUND THE WORLD PROGRAMME (SAWP): Sacred Heart College conducts Semester Around the World Programme biennially for the students from St. Mary's College and Notre Dame University, USA. It is a two-month multi-disciplinary optional part of the last Semester of the Degree Course in Notre Dame University, which awards credits to the students who

successfully complete this course. Students are graded according to their performance in project work, and a written examination conducted by our College. The content of the course comprises Indian History and Literature, Indian Society, Religion and philosophy, Government and Economics and Art, Music, Theatre and Film. Besides, a course in Yoga, Dance, Kathakali and Painting is part of the curriculum. The faculty conducts the course with a handful of experts from outside also. The diverse training programmes enable the students to understand the customs and way of living of different societies in a globalized world. Dr Cyriac Pullappilly, the course director from Notre Dame University has repeatedly acknowledged the fact that the students who complete this course have wider options for employment. 32 students are selected at a time for the course. Additional programmes arranged for the students include weekend trips to important places of history, culture and tourism in Kerala, a two-day stay in Kerala families, trekking in forests and tribal colony visits – all geared to give these cultural ambassadors, a feel for our own ethos.

- 16. JANAPARVAM:** Another ‘down-to-earth’ student initiative for social connect, the Janaparvam project zooms in on the social uplift of 100 BPL families in Maradu Panchayath, through educational empowerment. Extended over a 10-year period, the project meticulously monitors and evaluates the educational, socio-economic parameters of these families and assists them in effecting a qualitative change in their lives. The faculty and students of each academic year are involved in a range of activities such as surveys to identify the underprivileged and conduct of classes. The project, a labour of love, is sure to bridge the gap between the ‘classes’ and masses.
- 17. MANGROVE CONSERVATION:** Over the years, the rapid urbanization has claimed thousands of mangrove vegetation lands – a rare reservoir of incredible biodiversity – along Kerala’s coast. The Primrose Nature Club, along with many other clubs has launched a major self-funded initiative to conserve and replenish the precious ecosystem around Nettoor. A field survey, an awareness programme involving the public and the formal launch of the project involving the Southern Railway Authorities have been completed. The next phase is the enrichment of the land by planting new saplings of diverse species. These programmes are bound to bring on a sea change in the perception of the students as well as the nature of ecosystem.
- 18. ALUMNI ASSOCIATION:** The Alumni Association reflects the essential ethos of the institution. They constitute the mirror image of the strength and

‘wealth’ the institution vouches for. The Alumni Association was launched in 1993. The main objectives of the ‘association’ are to promote a spirit of friendship and co-operation among the former students of our College, to serve the interests of the alumni of the College, (Viz. social, cultural and educational), to secure endowments for the College and to keep alive the Sacred Heart Spirit burning far and wide to contribute in a possible way to the welfare and development of the College. Besides the mother chapter attached to the College, there are chapters in the state and outside. They meet every year and discuss programmes to keep up the spirit of the College. The Alumni Association functions as a mighty wellspring of inspiration and reassurance to the institution by extending all necessary assistance, especially financial assistance.

19. ST. VINCENT DE PAUL SOCIETY: A globally revered and recognized philanthropic fraternity engaged in serving the poorest of the poor, the Vincent De Paul Society, has made its profound though silent presence in the College. Six families in the neighbourhood were adopted by the society and provision for their daily ration is made available to them on a weekly basis. Similarly 10 students from the College and 1 from the neighbourhood school are given financial assistance. 12 deserving students were given training in MS Office. True to the Society’s revered tradition, no discrimination is made on the basis of caste or creed. The expenses for all these humanitarian services are met with the generous contributions from the staff of our College.

20. YOUTH RED CROSS: The Youth Red Cross (YRC) unit of our College held “World Red Cross Day” on 8th May 2006 at the Government H.S., EKM. It was inaugurated by Justice I.M. James. Dr K.K Paulose, YRC President of our College attended the programme. Thirty six members visited an old age home near Thevara. Anti-drugs Day was organized in the College on June 7, 2006. The members held a brief rally with placards in the College campus. A programme on “Prevention of Chikun gunia” was held in 2006. Dr Nelson (Medical officer and Taluk co-ordinator) was also present. A Blood group detection camp was conducted in the College in August 2006.

21. AICUF: This voluntary federation with its primary focus on the spiritual and socio-religious evolution of the academic community is yet another platform to reinforce the holistic formation. All catholic students are encouraged to become members of AICUF (All India Catholic University Federation) while the faculty is its honorary members. The Manager and the Principal function as its Patron and President respectively. Visits to old age homes, distribution of clothes,

provisions and sweets to orphanages, leadership camps, anti-drug rally etc have been included in the activity 'calendar', and implemented. Abhaya Bhavan, Koovappady, Old Age Home, Malayattoor are some of the institutions which have benefited by the humanitarian zeal of our members over the past 5 years. Dr K.K. Paulose is the present Animator.

22. SHAPE FITNESS CENTRE: The 'SHAPE fitness centre' is the first of its kind in M.G University and it was established in 2000. The centre has a gym with ultramodern equipment installed in a pleasant ambience for workouts and facilities for a rejuvenatory sauna bath. The students utilize the centre for "Body-Building", Power-lifting, Weight lifting etc. It has an administrator and an instructor to guide the students. It is open from 5 am to 8.30 am and 4 pm to 8.30 pm.

Appendix – I
Faculty of the College in the UG Board of Studies
MG University

Sl. No.	Subject	Name of the Faculty	Period
1.	Economics	Dr Sibi Zacharias	From 2006
2.	Hindi	Dr K.K. Paulose	From 2006
3.	Sociology	Fr Abraham Kallarackal	2002-2004
4.	Mathematics	Joy Mathew	From 2005
5.	Chemistry	P.M. Joseph	From 2005
6.	Botany	Dr M.S. Francis	From 2005
7.	Physical Education	K.A. Raju	From 2004

Faculty of the College in the PG Board of Studies
MG University

Sl. No.	Subject	Name of the Faculty	Period
1.	English	T.T. Joseph	2000 – 2006
2.	Economics	Dr V.T. Jose	2005 – 2009
3.	Botany	Dr V.J. Dominic	2005 – 2009
4.	Commerce	Dr Stanly Chazhoor	2004 – 2006
5.	Commerce	Dr K.X. Joseph	2000 – 2004

Appendix - II

Orientation/Refresher courses/staff training attended by the faculty 2000-06

Sl. No	Department	Name of Teacher	Institute conducting the Course/ University	Year
1.	English	Sr. O.J. Rosily	ASC, University of Kerala, Trivandrum	2001
2.		Philip P.J.	Benaras Hindu University, Varanasi, U.P	2001
3.		K.M. Johnson	Benaras Hindu University, Varanasi, U.P	2001
4.		Jose Abraham	Maharaja's College, Ernakulam	2003
5.		Thomas Thiruthanathy	ASC, University of Kerala, Trivandrum	2002
6.	Economics	Dr K.V. Raju	ASC, University of Kerala, Trivandrum	2003
7.		Dr Siby Zacharias	Pondicherry University, Pondicherry J.N. University, New Delhi	2000 2001
8.		Madhusudhanan Nair	ASC, University of Kerala, Trivandrum	2005
9.		P.E. Cherian	ASC, University of Kerala, Trivandrum ASC, University of Kerala, Trivandrum	2001 2003
10.		Dr V.T. Jose	ASC, University of Kerala, Trivandrum School of Gandhian Thought & Development Studies, MG University, Kottayam	2001 2001
11.		Alphonse Ligor	ASC, University of Kerala, Trivandrum	2002
12.		Fr Gilson John	ASC, University of Kerala, Trivandrum Islamia – New Delhi	2001 2005
13.	Oriental Languages	Kuriakose Alexander	ASC, University of Kerala, Trivandrum	2004
14.		Mathew Jose	ASC, University of Kerala, Trivandrum ASC, University of Kerala, Trivandrum HRD Sanskrit University, Trivandrum	2001 2002 2004
15.		Benny Varghese	ASC, University of Kerala, Trivandrum Gandhigram Rural Institute, Madhura	2000 2003
16.	Sociology	Fr Abraham Kallarackal	ASC, University of Kerala, Trivandrum	2001
17.		R.K. Varghese	ASC, University of Kerala, Trivandrum	2001
18.	Mathematics	Paul. W. T.	CUSAT, Kochi	2005
19.	Physics	A. Varadharajan	I I S, Bangalore	2005
20.		Dr T.I. Palson	MG University, Kottayam	2001
21.		Georgekutty Joseph	MG University, Kottayam	2001
22.		V.M. George	MG University, Kottayam	2001
23.		Siby Mathew	MG University, Kottayam MG University, Kottayam MG University, Kottayam	2000 2001 2004

24.	Chemistry	Dr Thommachan Xavier	Kerala University, Trivandrum	2003
25.		Joseph T. Moolayil	Kerala University, Trivandrum	2001
26.		V.S. Sebastian	CUSAT, Kochi Sanskrit University, Kalady	2004 2001
27.		K.B. Jose	CUSAT, Kochi CUSAT, Kochi	2001 2002
28.		Dr M. George	MG University, Kottayam Gandhigram Rural Institute, Dindigal	2000 2003
29.		Fr T.K. Jos	ASC, University of Kerala, Trivandrum	2001
30.		Joseph John	ASC, University of Calicut.	2000
31.		T.J. Joseph	Maharaja's College, MG University	2003
32.	Botany	Roy Zacharias	CUSAT, Kochi Maharaja's College, Director Collegiate Education	2002 2003
33.		Jacob Varghese	CUSAT, Kochi	2001
34.		Dr M.S. Francis	ASC, University of Kerala, Trivandrum	2004
35.		Dr Joy. P. Joseph	CUSAT, Kochi	2000
36.		Dr C.M. Joy	Bharatiyar University, ASC, Trichy JN University, New Delhi	2000 2004
37.		Samson Davis	CUSAT, Kochi	2002
38.	Zoology	Dr P.A. Sebastian	ASC, University of Kerala, Trivandrum CUSAT, Kochi	2000 2006
39.		Dr John Joseph	ASC, University of Kerala, Trivandrum CUSAT, Kochi Rajagiri School of Social Sciences	2001 2003 2002
40.		Dr Philip Mathew	ASC, University of Kerala, Trivandrum CUSAT, Kochi	2000 2001
41.		M.K. Raju	CUSAT, Kochi	2001
42.		Dr P.C. Sebastian	ASC, University of Kerala, Trivandrum	2006
43.		Dr T.J. James	CUSAT, Kochi CUSAT, Kochi Kerala University, Trivandrum	2005 2006 2001
44.		T.P. Thomas	ASC, University of Kerala, Trivandrum	2000
45.		Dr Stanly Chazhoor	ASC, University of Kerala, Trivandrum ASC, University of Kerala, Trivandrum	2003 2006
46.	Commerce	Johnson John	Govt. College, Attingal, Kerala University	2001
47.		Dr K.X. Joseph	MG University, Kottayam	2002
48.	Physical Education	Raju K.A.	Maharaja's College, Ernakulam Maharaja's College, Ernakulam MG University, Kottayam Academic Staff College, Trivandrum	2000 2004 2001 2004

Appendix – III

Details of teacher fellowships (FIP) 2000 - 07

Sl. No.	Name & Dept. of Teacher Fellow	Period of Fellowship	Research Dept.	M Phil/ PhD	Whether Course Completed
1.	Cyriac Antony Dept. of Mathematics	21.01.1999 - 20.01.2000	CUSAT, Kochi	M Phil	Completed
2.	Joseph P.J Dept. of Chemistry	01.03.1999 - 29.02.2000	CUSAT ,Kochi	M Phil	Completed
3.	Francis C.S. Dept. of English	03.08.1999 - 02.08.2001	Calicut University	PhD	Completed
4.	Dominic V.J. Dept. of Botany	09.09.1999 - 08.09.2001	SH College, Thevara	PhD	Completed
5.	Georgekutty Joseph Dept. of Physics	13.10.1999 - 30.09-2000	M.G. University, Kottayam	M Phil	Completed
6.	George V.M. Dept. of Physics	01.10.1999 - 30.09.2000	M.G. University, Kottayam	M Phil	Completed
7.	Jose V.T. Dept. of Economics	01.12.1999 - 30.11.2001	Kerala University, Trivandrum	PhD	Completed
8.	Thommachan Xavier Dept. of Chemistry	01.06.2000 – 30.03.2002	CUSAT ,Kochi	PhD	Completed
9.	George Joseph Dept. of Botany	01.06.2000 - 30.03.2002	St. Teresa's College, Ernakulam	PhD	Completed
10.	Raju M.K. Dept. of Zoology	21.06.2000 - 31.03.2002	NSS College, Pandalam	PhD	Ongoing
11.	Siby Zacharias Dept. of Economics	05.07.2000 - 31.03.2002	Pondicherry University, Pondicherry	PhD	Completed
12.	Samson Davis Padayatty, Dept. of Zoology	21.07.2000 - 31.03.2002	SH College, Thevara	PhD	Ongoing
13.	Joseph John Dept. of Chemistry	09.08.2000 - 08.08.2001	Calicut University, Calicut	M Phil	Completed
14.	Joseph P.M. Dept. of Chemistry	30.08.2000 - 29.08.2001	CUSAT ,Kochi	M Phil	Completed
15.	Johnson K.M Dept. of English	31.03.2005 - 30.03.2007	Sree Sankara Univ. of Sanskrit, Kalady	PhD	Ongoing
16.	Cherian P.E. Dept. of Economics	04.10.2004 - 03.10.2006	SH College, Thevara	PhD	Ongoing
17.	Cyriac Antony Dept. Statistics	31.03.2005 - 30.03.2007	U.C. College, Aluva	PhD	Ongoing
18.	Mathew Jose K. Dept. of Commerce	16.11.2004 – 15.11.2006	SH College, Thevara	PhD	Ongoing
19.	Georgekutty Joseph Dept. of Physics	16.09.2004 - 15.09.2006	M.G. University, Kottayam	PhD	Ongoing
20.	Siby Mathew Dept. of Physics	16.11.2004 - 15.11.2006 Extended	M.G. University, Kottayam	PhD	Ongoing
21.	Joseph John Dept. of Chemistry	31.03.2005 - 30.03.2007	Calicut University, Calicut	PhD	Ongoing
22.	Jose K.B. Dept. of Chemistry	18.10.2004 - 17.10.2006	SH College, Thevara	PhD	Ongoing
23.	Joseph T. Moolayil Dept. of Chemistry	18.10.2004 - 17.10.2006	SH College, Thevara	PhD	Ongoing
24.	V.S. Sebastian Dept. of Chemistry	18.10.2004 - 17.10.2006	SHCollege, Thevara	PhD	Ongoing

Appendix – IV

National seminars attended by the faculty

Sl. No.	Name of the Faculty	National Seminar	Year	Place
1.	Dr K.V. Raju	1. Summit on Minnesota's economy (organized by University of Minnesota USA) 2. W.T.O and its socio economic impact on Developing countries	2000 2005	U.S.A Kochi
2.	K.C. Abraham	1. National Seminar on studies	2000	Pala
3.	Kuriakose Alexander	1. Higher Education 2. National Integration & Hindi	2000 2003	Changanacherry Changanacherry
4.	Fr T.K. Jose	1. Workshop on Spectroscopy 2. Workshop on Spectroscopy	2000 2000	Goa Goa
5.	Dr V.J. Dominic	1. Plant Research Biotechnology 2. Plant Science, St Thomas College, Pala 3. CUSAT Biotechnology 4. Biotechnology 5. Biotechnology KAU 6. Ecotourism National seminar Morning Star College 7. Greening Knowledge, St. Thomas College, Pala 8. Algal Biodiversity, VIAT	2000 2002 2003 2004 2005 2005 2006 2006	Trivandrum Pala Kochi CUSAT Thrissur Angamaly Kottayam Chennai
6.	Jacob Varghese	1. Medicinal Plants 2. Medicinal Odakali 3. Aquarium, St Albert's College 4. Aquarium, St Albert's College	2000 2000 2004 2004	Trivandrum Ernakulam Ernakulam Ernakulam
7.	Dr Joy P Joseph	1. Plant Science Research 2. Plant Biodiversity SHC	2000 2005	Trivandrum Kochi
8.	Dr C.M. Joy	1. Human Rights Education 2. A.R.D. Trainers 3. National Resource Management KAU 4. Research for National Resurgence 5. IT in Higher Education 6. Algal Biodiversity, VIAT	2000 2001 2003 2003 2002 2006	Bangalore Bangalore Trissur Aluva Bangalore Chennai
9.	Samson Davis Padayatty	1. Bio-deterioration of Cultural Properties 2. Toxins in Fishery CIFT	2000 2001	New Delhi Ernakulam
10.	T.P. Thomas	1. Reforms in Banking sector K.U	2000	Trivandrum

11.	Dr Sibi Zacharias	1. SIASN Globalisation and Indo American Relations Pondichery University 2. SIASN the institutions of September 11 3. Resemblance in the state of affairs of tribes in U.S.A and India	2001 2003 2004	Pondichery Thirupathy Hubli
12.	W.T. Paul	1. National workshop on Coding Theory and Cryptography CUSAT 2. Graph Theory, St. Mary's College 3. Graph Theory and Application Govt. college 4. Topology and Analysis and their application Govt. College 5. Recent Trends in cryptology with coding theory- U.C. College	2001 2002 2004 2005 2005	Kochi Trissur Kottayam Chittoor Aluva
13.	Georgekutty Joseph	1. Current Trends in Material Science M.G.U, Kottayam 2. Crystal Growth and Application, Anna University 3. Emerging Materials and technologies Venkateswara University, Thiruppathi 4. AC Conductivity Solid state Ionics VI Natural Conference, Jadavpur University 5. Dielectric and Conductivity studies 6. Modern Trends in material science Calicut University 7. DC conductivity studies 8. DAE solid state Symposium- Bhaba Atomic Research Centre preparation and characterization of Crystalline Materials, St Hindu College T.N 9. Advances in Material Science, Manonmaniam Sundaranar Univ, Tirunelveli 10. AC Conductivity Dielectric Studies Ionix, Karunya Institute of Technology and Sciences 11. DC Electrical Conductivity Studies 12. Single Crystal Studies Solid State ionics Karunya Institute of Technology and Sciences	2001 2004 2004 2004 2004 2004 2005 2005 2005 2005 2006 2006 2006 2006 2006	Kottayam Chennai Andra Pradesh Kolkatta Kolkatta Calicut Calicut Mumbai Nagercoil Tirunelveli Coimbatore Coimbatore
14.	V.S. Sebastian	1. K.V. Thomas Endowment-National Seminar-Thevara 2. K.V. Thomas Endowment-National seminar Thevara 3. Conference of Chemistry Teachers, CMS College	2001 2005 2006	Kochi Kochi Kottayam

15.	Dr P.A. Sebastian	1. Crop Protection 2. Biodiversity and Forest Management 3. Spider Silk Biotechnology 4. Biodiversity of spiders 5. Spiders of Central Kerala 6. Entomology Congress	2001 2003 2004 2005 2005 2006	Punjab Calicut New Delhi Chennai Chennai Puducherry
16.	Dr John Joseph	1. Higher Education SH. College	2001	Kochi
17.	Sr. Elizabeth William	1. Empowerment of Women	2001	Bangalore
18.	Joseph John	1. Micro Scale Experiments in Chemistry, Nirmala College 2. Trends in Chemistry, Newman College 3. Group Theory, SNM College 4. Modern Trends in Chemistry, Christ College 5. Green Chemistry, Kamaraj Unty. 6. Photo Chemistry, St. Joseph's College 7. Emerging Trends in Chemistry, Calicut Unty 8. Group Theory, SNM College 9. Bio inorganic Chemistry, Calicut Unty 10. Frontiers in Chemistry, CUSAT 11. Mass Spectrometry, SH College	2001 2004 2003 2005 2005 2005 2005 2003 2006 2006 2006	Moovattupuzha Thodupuzha Maliankara Iringalakuda Madurai Calicut Calicut Maliankara Calicut Kochi Kochi
19.	Raju K.A.	1. Physical Edn and Sports Medicine, National seminar, Medical Trust Hospital, Kochi 2. Physical Edn and Sports Medicine, National seminar, Cochin College, Cochin	2001 2006	Kochi Kochi
20.	Dr Jose V.T	1. 85 th Annual Conference Indian Economic Association Kerala University, Tvm 2. 27 th Indian Geographers Congress Bangalore University	2002 2005	Kerala Bangalore
21.	Dr M. Groege	1. ISMAS workshop 2. Modern Trends in Chemistry Arul Anandar College, Madurai 3. 9 th ISMAS Workshop at NIO 4. Eco Tourism Morning star college 5. Conference of Chemistry Teachers, CMS College	2002 2004 2006 2005 2006	Bhoovaneswar Madurai Goa Angamaly Kottayam
22.	Dr T.J. James	1. Ageing 2. Dementia and Alzheimers	2002 2002	Bangalore Goa
23.	Fr Gilson John	1. Socioeconomic Impact of Globalisation on Indian Economy, Vimala College	2003	Thrissur

24.	Dr M.S. Francis	1. Medicinal Plant Biotechnology CUSAT 2. Plant genetic Engineering, M.K.U 3. Algal Bio Diversity, VIAT 4. Ecology and Economics of plant Diversity SH College 5. Interdisciplinary Biology IAS	2004 2004 2006 2005 2005	Ernakulam Madurai Chennai Ernakulam Bangalore
25.	Madusudhanan Nair	1. National Seminar on W.T.O and its impact	2005	Kochi
26.	Alphonse Ligori	1. National seminar on W.T.O and its socio economic impact in the society, SH College	2005	Kochi
27.	K.G. Narayanan	1. Eco Tourism, Morning star college	2005	Angamaly
28.	K.B. Jose	1. Eco Tourism, Morning star college	2005	Angamaly
29.	Kuruvachen P.J	1. Eco Tourism, Morning star college	2005	Angamaly
30.	M.T. Mathew	1. Eco Tourism, Morning star college	2005	Angamaly
31.	Roy Zacharias	1. Medicinal Plants 2. Algal Biodiversity, VIAT	2005 2006	Trivandrum Chennai
32.	Johnson John	1. Banking	2005	Thrissur
33.	Cyriac Antony	1. Stock Market, Bangalore Univ 2. Share price indices Kerala Univ, Tvm	2005 2006	Bangalore Trivandrum
34.	Dr T.K. Sindu	1. Reliability Modelling	2006	Trivandrum
35.	Pravas K.	1. Advanced Instructional School in Mathematics	2006	Bangalore
36.	Joseph T. Moolayil	1. Nineth ISMAS Workshop at NIO 2. Conference of Chemistry Teachers, CMS College	2006 2006	Goa Kottayam
37.	Sojan T.S.	1. Banking Sector, Kerala University	2006	Kochi
38.	Dr K.X. Joseph	1. Banking	2006	Pattambi

Appendix – V

International seminars attended by the faculty

Sl. No.	Name of the Faculty	International Seminar	Year	Place
1.	Alphonse Ligorì	1. International Seminar, Preparing & presenting project work, Morning Star Home Science College, Angamaly	2002	Angamaly
2.	Fr Gilson John	1. International Seminar, Preparing & presenting project work, Morning Star Home Science College, Angamaly 2. Indian Socio-Economic System	2002 2005	Angamaly Indiana, USA
3.	W.T. Paul	1. History & Heritage of Mathematical Science, Sukritindra Oriental Research Institute 2. Teaching of Calculus	2002 2004	Kochi Trivandrum
4.	Dr Thommachan Xavier	1. Einthovan Unty. Netherland & CUSAT	2002	Kochi
5.	Dr M. George	1. Conference of Mass Spectrometry and allied topics, American Society for Mass Spectrometry 2. ASMS Conference on Mass Spectrometry Texas, USA 3. 10 th ISMAS on Mass Spectrometry at Tea County, Munnar	2002 2005 2006	Florida Texas, USA Munnar
6.	Joseph T. Moolayil	1. Conference of Mass Spectrometry and allied topics, American Society for Mass Spectrometry 2. ASMS Conference on Mass Spectrometry Texas, USA 3. 10 th ISMAS on Mass Spectrometry at Tea County, Munnar	2002 2005 2006	Florida Texas, USA Munnar
7.	Jacob Varghese	1. World Ayurveda Congress	2002	Kochi
8.	Dr M.S. Francis	1. World Ayurveda Congress	2002	Kochi
9.	Dr C.M. Joy	1. World Ayurveda Congress 2. International Coconut Summit	2002 2004	Kochi Kochi
10.	P.J. Jose	1. Environmental Friend 2. Non-conventional Energy sources	2002 2003	Germany Germany
11.	Dr Sr. Elizabeth William	1. Empowering Women, International seminar	2002	New Delhi
12.	Rajalakshmi R.	1. Planning, Preparing & Project work, Morning Star College	2002	Angamaly
13.	Madhusudhanan Nair	1. Planning, Preparing & Project work, Morning Star College	2002	Angamaly
14.	Dr T.J. James	1. Dementia	2003	Chennai

15.	Dr P.A. Sebastian	1. Spiders of Paddy fields 2. Spiders in Mangalavanam 3. Spiders of Kerala 4. ATYPENA Genus 5. Spiders in India 6. Spiders in Nilgiri 7. Spiders Genus from Kerala	2004 2005 2005 2005 2006 2006 2006	Belgium Bugaria Vietnam Vietnam Spain Spain Spain
16.	Sr. O.J. Rosily	1. Shakespearean perspective	2005	Kochi
17.	Jose Abraham	1. Shakespearean perspective	2005	Kochi
18.	John Francis	1. Shakespearean perspective	2005	Kochi
19.	Dr K.V. Raju	1. W.T.O and Agreement on agriculture, CUSAT	2005	Kochi
20.	Dr V.T. Jose	1. From isolation to networking – towards an industrialization strategy for Kerala, CUSAT 2. Land use issues under decentralization in Kerala Organised by ISS New Delhi 3. International Conference on 50 years of Kerala's Development, Kerala Unty.	2005 2005 2006	Kochi Trivandrum Trivandrum
21.	Pravas K.	1. Harmonic Analysis	2005	Trivandrum
22.	Samson Davis Padayatty	1. Spiders from Kerala	2006	Spain
23.	Dr George Joseph	1. International Education Meet 2. International Academic Seminar	2006 2006	Kochi Kochi
24.	Joseph John	1. Alternative Medicine, Amala Cancer Research Centre	2006	Thrissur

Appendix – VI

Faculty working as Resource Persons/Visiting Faculty

Sl. No.	Name of the Faculty	Seminar/ Refresher Courses	Institution & Place	Year
1.	Samson Davis Padayatty	Bio deterioration of Cultural Property	National Museum	2000
2.	Dr M. George	Refresher Course Chemistry	M.G. University	2000
3.	Dr C.M. Joy	Environmental Problems Nature Conservation	Bharat Mata College, Trikkakara St. Teresa's College, Ernakulam	2000 2000
4.	Dr P.A. Sebastian	Spider Taxonomy, Spider Farming, Spider Silk Biotechnology " " " " " "	IIPR, Kanpur, UP CPCRI, Karnataka ERI, Loyola College, Chennai KFRI – Thrissur TBGRI – Trivandrum IFGTB – Coimbatore Hyderabad University	From 2000
5.	Dr Sr. Elizabeth William	Empowerment of Women	AIACHE, Bangalore	2001
6.	Dr Philip Mathew	Modern Trends in Biology	Rajagiri, Plus Two School	2001
7.	Dr V.J. Dominic	Eco-Tourism Nature Club,	SH College, Thevara	2001
8.	Dr George Joseph	Visiting Faculty to Labour India	Gokulum Public School, Pala	2001
9.	Dr C.M. Joy	Environment & Development Environmental Protection	St. Xavier's College, Aluva Nirmala College, Muvattupuzha	2001 2001
10.	Dr Sr. Elizabeth William	Higher Education for Women Empowerment	Vikasini Centre, Delhi	2002
11.	Dr T.J. James	Seminar on Ageing	Bangalore	2002
12.	K.C. Abraham	Curriculum Development	MG University	2002
13.	Dr V.J. Dominic	Recent Trends in Plant Science Research Genetic Engineering Workshop for Higher Secondary Teachers	St. Thomas College, Pala SH College, Thevara SCERT, Trivandrum	2002 2002 2002
14.	Dr T.J. James	Keynote address inauguration of MSc Course Talk on Alzheimers Disease Talk on Alzheimers Disease Alzheimers Disease	Nirmala College, Muvattupuzha St. Peter's College, Kolenchery St. Teresa's College, Ernakulam Nirmala College, Muvattupuzha	2002 2002 2002 2002
15.	Dr M. George	Refresher Course Chemistry CAP	Cochin University SH College Thevara	2002 2002
16.	W.T. Paul	Mathematics to Plus Two Teachers	SCERT, Trivandrum	2002
17.	Jacob Varghese	Spices and Medicinal Plants	Nirmala College, Muvattupuzha	2002
18.	Dr George Joseph	Visiting Faculty to Labour India	Gurukulam Public School, Pala	2002

19.	Dr C.M. Joy	Rivers and Development World Environment Day	St. Albert's College, Ernakulam Rajagiri Public School, Kalamaserry	2002 2002
20.	Dr T.J. James	Prawn Silage Ferment	CIFT, Kochi	2003
21.	Fr Gilson John	Impact of Globalisation on Indian Economy	Vimala College	2003
22.	Cherian P.E.	Impact of Globalisation on Indian Economic System	Notre Dame State University, Indiana, USA	2003
23.	Fr A.J. Saviance	Nehruvian Tradition in World Affairs	Pondichery University	2003
24.	Dr Sibi Zacharias	Nehruvian Tradition in World Affairs	Pondichery University	2003
25.	Dr Thommachan Xavier	Polymer Chemistry	St. Peter's College, Kolenchery	2003
26.	Joseph T. Moolayil	Stereo Chemistry	Plus Two Teachers and students SH College, CAP Series	2003
27.	Dr Philip Mathew	Practical Demonstration of Scientific experiments for Plus II Teachers	CUSAT, Kochi	2003
28.	Dr V.J. Dominic	Workshop for Higher Secondary Teachers Nature Study Camp	SCERT, Trivandrum Silent Valley, Munnar	2003 2003
29.	Dr M. George	Molecular Modelling	Baselius College, Kottayam	2003
30.	Dr K.V. Raju	Indo-American Cultural Exchange Programme	SH College, Thevara	2003
31.	Jacob Varghese	Spices and Medicinal Plants	St. Xavier's College, Aluva	2003
32.	Dr George Joseph	Visiting Faculty to Labour India	Gurukulam Public School, Pala	2003
33.	Dr C.M. Joy	Drinking Water Nature Protection Bio-monitoring Refresher Course Science Day Nature Conservation	Maharaja's College, Ernakulam Asmabi College, Vemballore Maharaja's College (MG University) Bhavan's Vidyamandir, Elamakkara Cardinal School, Trikkakara	2003 2003 2003 2003 2003
34.	T.P. Thomas	Career Counselling	Marian College, Kuttikanam	2004
35.	Joseph T. Moolayil	Stereo Chemistry Stereo Chemistry	Morning Star College, Angamaly K.V. II, Girinagar	2004 2004
36.	Dr V.J. Dominic	Workshop for Higher Secondary Teachers	SCERT, Trivandrum	2004
37.	Dr M. George	Modern Trends in Chemistry	Arul Anandar College, Madurai	2004
38.	Samson Davis Padayatty	Biodiversity Studies of Central Kerala HRD Programme, BSc Students	Zoological Society of Kerala Zoological Society of Kerala	2004 2004
39.	Jacob Varghese	Flower Show	Kottayam	2004
40.	Dr George Joseph	Visiting Faculty to Labour India	Gokulum Public School, Pala	2004
41.	Dr C.M. Joy	Problems of Periyar Rivers and Water Conservation Water Pollution	Christ College, Irinjalakkuda UC College, Aluva Ayurveda College, Tripunitura	2004 2004 2004
42.	Fr Gilson John	Indian Socio-Economic System	Notre Dame State University Indiana, USA	2005

43.	K.M. Johnson	Cultural Studies	St. Xavier's College, Aluva	2005
44.	Dr V.J. Dominic	Biotechnological Interventions Eco-Tourism - DTPC Eco-Tourism - DTPC Eco-Tourism – Flora Expedition Programme Biodiversity Biodiversity Nature Education Camp Plant Taxonomy Plant Taxonomy Plant Science & Biodiversity Plant Tissue Culture	KAU, Trissur Ernakulam Kottayam Wild Life Division, Aaralam St. George College, Aruvithura St. Teresa's College, Ernakulam Chinnar MA College, Kothamangalam Devamatha College, Kuravilangad Nirmala College, Moovattupuzha Carmel College, Mala	2005 2005 2005 2005 2005 2005 2005 2005 2005 2005 2005
45.	Dr M. George	C-Programming in Chemistry Organic reaction Mechanism through Computer Animation ” ” ” ” Mass Spectrometry	CMS College, Kottayam St. George college, Aruvithura St. Joseph's College, Alappuzha UC College, Aluva Nirmala College, Moovattupuzha St. Joseph's College, Moolamattom Maharaja's College, Ernakulam	2005 2005 2005 2005 2005 2005 2005
46.	Jacob Varghese	Flower Show	Kottayam	2005
47.	Dr George Joseph	Visiting Faculty Visiting Faculty to Labour India	Teachers Training College, Pala Gurukulam Public School, Pala	2005 2005
48.	Dr C.M. Joy	Research Methodology Coastal Protection Disaster Management Environmental Science	Mar Thoma College, Thiruvalla Asia Pacific Institute, Mananthavady Institute of Land Management, Trivandrum Adi Sankara Institute of Engineering, Kalady	2005 2005 2005 2005
49.	T.P. Thomas	Prepared and Administered test for Selection of Secretary	Parathodi Milk Producers Co-operative Society	2006
50.	Dr K.V. Raju	Visiting faculty	ICFAI University	2006
51.	Jacob Varghese	Fairness Training Programme, Karshakasree Agricultural Development Agricultural Development	Kerala Kerala Govt., Ernakulam Thrissur	2006 2006 2006
52.	Dr George Joseph	Visiting faculty Teachers Training College Visiting Faculty to Labour India	Pala Gurukulam Public School, Pala	2006 2006
53.	Dr C.M. Joy	Water Resources Rivers and Drinking Water Problems Water Scarcity Environmental and Development (Refresher Course)	G. Auditorium, Ernakulam Town Hall, Thodupuzha Govt. School, Thirunavai CUSAT, Kochi	2006 2006 2006 2006

Appendix - VII

List of faculty members of the College

Principal

Sl. No.	Name	Designation	Qualification
1	Fr A.J. Saviance	Principal	M A Economics

English

Sl. No.	Name	Designation	Qualification
2	P.M. Sebastian	Sel. Grade Lecturer	M A, M Phil
3	T.T. Joseph	Sel. Grade Lecturer	M A
4	Thomaskutty Mukkadan	Sel. Grade Lecturer	M A, B Ed
5	A. John Francis	Sel. Grade Lecturer	M A
6	Thomas Thiruthanathy	Sel. Grade Lecturer	M A, PGCTE
7	Dr C.S. Francis	Sel. Grade Lecturer	M A, M Phil, PhD(On Leave)
8	P.J. Philip	Sel. Grade Lecturer	M A, M Phil, PGDJMCC
9	Jose Abraham	Sen.Gr. Lecturer	M A, M Ed
10	Sr.O. J.Rosily	Sen.Gr. Lecturer	M A, B Ed, M Phil
11	K.M. Johnson	Sen.Gr. Lecturer	M A, PGDJMC

Oriental Languages

Sl. No.	Name	Designation	Qualification
12	K.G. Narayanan	Sel. Grade Lecturer	M A (Malayalam)
13	K.K. Paulose	Sel. Grade Lecturer	M A, P.G.Dip(Tra), PhD(Hin)
14	Mathew Jose	Sel. Grade Lecturer	M A (Sanskrit)
15	Kuriakose Alexander	Sel. Grade Lecturer	M A (Hindi)

Economics

Sl. No.	Name	Designation	Qualification
16	Dr K.V. Raju	Sen.Gr. Lecturer	M AM.F.T, M.P.A., PhD, PGDC, PGDM
17	K.C. Abraham	Sel. Grade Lecturer	M A
18	Dr Sibi Zacharias	Sel. Grade Lecturer	M A, M Phil, DEM, PhD
19	T.O. Alphonse Ligor	Sel. Grade Lecturer	M A, M Phil
20	P.E. Cherian	Sel. Grade Lecturer	M A, M Phil
21	Dr V.T. Jose	Sel. Grade Lecturer	M A, M Phil, PhD
22	Fr Gilson John	Sen.Gr. Lecturer	M A, M Phil
23	M.S. Madhusudanan Nair	Sen.Gr. Lecturer	M A, B Ed

Sociology

Sl. No.	Name	Designation	Qualification
24	Fr Abraham Kallarackal	Sel. Grade Lecturer	M A,M Phil
25	R.K. Varghese	Sel. Grade Lecturer	M A
26	Benny Varghese	Sen.Gr. Lecturer	M A,M Phil

Commerce

Sl. No.	Name	Designation	Qualification
27	Dr K.X. Joseph	Reader	M Com,M Phil,PhD
28	T.S. Sojan	Sel. Grade Lecturer	M Com,M Phil
29	T.P. Thomas	Sel. Grade Lecturer	M Com,M Phil,LLB.,FCS
30	Dr Stanly Chazhoor	Sel. Grade Lecturer	M Com,M Ed.,M Phil,LLB., DCFA., PhD
31	M.M. Dominic	Sel. Grade Lecturer	M A,M Com,M Phil
32	Johnson John	Sel. Grade Lecturer	M Com, M Phil
33	Mathew Jose K.	Sel. Grade Lecturer	M Com, M Phil

Mathematics

Sl. No.	Name	Designation	Qualification
34	Joy Mathew	Sel. Grade Lecturer.	M Sc, M Phil, B Ed
35	Cyriac Antony	Sel. Grade Lecturer.	M Sc, M Phil,PGDCA
36	W.T. Paul	Sel. Grade Lecturer	M Sc, M Phil
37	Jose P. Joseph	Sel. Grade Lecturer	M Sc
38	M.P. Sebastian	Sel. Grade Lecturer	M Sc, M Phil

Physics

Sl. No.	Name	Designation	Qualification
39	M A Kurien	Sel. Grade Lecturer	M Sc
40	A. Varadarajan	Sel. Grade Lecturer	M Sc
41	George Philip	Sel. Grade Lecturer	M Sc
42	Jolly Lukose	Sel. Grade Lecturer	M Sc, M Phil
43	Dr T.I. Palson	Sel. Grade Lecturer	M Sc, PhD
44	Georgekutty Joseph	Sel. Grade Lecturer.	M Sc, M Phil
45	V.M. George	Sel. Grade Lecturer	M S, M Phil
46	Siby Mathew	Sel. Grade Lecturer	M Sc
47	P.M. Joseph	Sen.Gr. Lecturer.	M Sc, PhD (on leave)
48	Alex Shinu Scaria	Lecturer	M Sc, B Ed (On deputation)

Chemistry

Sl. No.	Name	Designation	Qualification
49	M.T. Mathew	Sel. Grade Lecturer.	M Sc, M Phil
50	P.J. Kuruvachan	Sel. Grade Lecturer	M Sc, M Phil
51	P.J. Joseph	Sel. Grade Lecturer	M Sc, M Phil
52	P.M. Joseph	Sel. Grade Lecturer	M Sc, M Phil, PGDCA -QM
53	Joseph John	Sel. Grade Lecturer	M Sc, M Phil, PGDCA-QM
54	Jose K.B	Sel. Grade Lecturer	M Sc
55	Fr T.K. Jose	Sel. Grade Lecturer	M Sc
56	Joseph T.Moolayil	Sel. Grade Lecturer	M Sc
57	Dr Thommachan Xavier	Reader	M Sc, PhD
58	V.S. Sebastian	Sel. Grade Lecturer	M Sc, B Ed., M Phil
59	Dr M. George	Sel. Grade Lecturer	M Sc, PhD

Botany

Sl. No.	Name	Designation	Qualification
60	T.J. Joseph	Sel. Grade Lecturer	M Sc, M Phil, B Ed
61	Dr V.J. Dominic	Sel. Grade Lecturer	M Sc, M Phil, PhD
62	Dr George Joseph	Sel. Grade Lecturer	M Sc, M Ed, PhD
63	Jacob Varghese	Sel. Grade Lecturer	M Sc, M Phil
64	Dr M.S. Francis	Sel. Grade Lecturer	M Sc, M Phil, PhD
65	Dr Joy. P. Joseph	Sel. Grade Lecturer	M Sc, PhD
66	Roy Zacharia	Sel. Grade Lecturer	M Sc
67	Dr C.M Joy	Reader	M Sc, PhD

Zoology

Sl. No.	Name	Designation	Qualification
68	Dr George Francis	Sel. Grade Lecturer	M Sc, M Phil, PhD
69	Samson Davis Padyatty	Sel. Grade Lecturer	M Sc, M Phil
70	P.A. Sebastian	Reader	M Sc, PhD
71	M.K. Raju	Sel. Grade Lecturer	M Sc, M Phil
72	Dr Philip Mathew	Sel. Grade Lecturer	M Sc, PhD
73	Dr John Joseph	Sel. Grade Lecturer	M Sc, B Ed, PhD
74	Dr P.C. Sebastian	Sen. Grade Lecturer	M Sc, PhD
75	Dr T.J. James	Sen. Grade Lecturer	M Sc, PhD

Physical Education

Sl. No.	Name	Designation	Qualification
76	K.A. Raju	Sel. Grade Lecturer	B.Sc., DSS, MP Ed., M Phil

Appendix – VIII

List of rank holders UG: 2000-06

No.	Name of the Course	Name of student	MG University Rank	Year
1.	B.Sc. Industrial Chemistry	Deepa. K.	I	2006
2.	B.Sc. Industrial Chemistry	Teena Fanel	II	2006
3.	B.Sc. Industrial Chemistry	Roopa. S.	II	2006
4.	B A Economics	Sonia M.H.	III	2005
5.	B.Com	Raji P.S.	II	2005
6.	B.Sc. Industrial Chemistry	Kundan Singh	I	2005
7.	B.Sc. Industrial Chemistry	Jeena Elizabeth Jacob	II	2005
8.	B.Sc. Industrial Chemistry	Rahul B. Nair	III	2005
9.	B A English Copy Editor	Yogitha	II	2004
10.	B A English Copy Editor	Sumayya	III	2004
11.	B.Com	Anseer M A	I	2004
12.	B.Sc. Industrial Chemistry	Ezra Michael Y.C.	I	2004
13.	B.Sc. Industrial Chemistry	Aneesh Mon A.S.	II	2004
14.	B.Sc. Industrial Chemistry	Ditty Dixon	III	2004
15.	B.Sc. Zoology	Soumya Soman	II	2004
16.	B A Economics	Aneesh P.Rajan	II	2003
17.	B A Sociology	Antionette S. Rodrigues	II	2003
18.	B.Com	Merlyn Mary Thomas	I	2003
19.	B.Com	Emiline Maria	I	2003
20.	B.Sc. Chemistry	Mathen Mathew	II	2003
21.	B.Sc. Industrial Chemistry	Sindu Isaac	I	2003
22.	B.Sc. Industrial Chemistry	Sethu Raman	II	2003
23.	B.Sc. Industrial Chemistry	Jenish Paul	III	2003
24.	B A English Copy Editor	Shubi Tresa Sebastian	I	2002
25.	B.Sc. Mathematics	Arun K.R.	I	2002
26.	B.Sc. Industrial Chemistry	Bibin John	I	2002

27. B.Sc. Industrial Chemistry	Binoy Mathew	II	2002
28. B.Sc. Botany	Girish V.M.	III	2002
29. B.Sc. Mathematics	Jibin George P	I	2001
30. B.Sc. Industrial Chemistry	Pramod P.	I	2001
31. B.Sc. Industrial Chemistry	Leo Kurien	II	2001
32. B.Sc. Industrial Chemistry	Dhanya John	III	2001
33. B.Com	P. Smitha Cleetus	II	2000
34. B.Sc. Mathematics	Deepa Joy	I	2000
35. B.Sc. Mathematics	Maria Vincy	II	2000
36. B.Sc. Industrial Chemistry	Rajesh R.	I	2000
37. B.Sc. Industrial Chemistry	Jenny Johnson	II	2000
38. B.Sc. Industrial Chemistry	Roshini Jose K.	III	2000

List of rank holders PG: 2000 - 06

No.	Name of the Course	Name of students	MG University Rank	Year
1.	M Com	Anupama R.	I	2006
2.	M Com	Deepa Mary Joy	II	2006
3.	M Com	Padma Nandan	III	2006
4.	M Sc Chemistry Pure	Teena P. Varghese	I	2006
5.	M Sc Zoology	Soumya Soman	II	2006
6.	M Com	Divya Soman	III	2005
7.	M. Sc. Chemistry Applied	Tresa Sunitha George	I	2005
8.	M. Sc. Chemistry Applied	Reshmi R. Nath	III	2005
9.	M. Sc. Chemistry Applied	Sindu Isaac	III	2005
10.	M. Sc. Botany	Asha Rama Chandran	I	2005
11.	M. Sc. Zoology	Nimila P.J.	I	2005
12.	M. Sc. Zoology	Mary Namitha Joseph	II	2005
13.	M. Sc. Zoology	Sreelakshmi B	III	2005
14.	M A English	Preethy Sreenivasan	I	2004
15.	M. Sc. Chemistry Applied	Deepa J.	I	2004

16. M. Sc. Chemistry Applied	Reenu Vijayakumar	II	2004
17. M. Sc. Chemistry Applied	Lane Elizabeth Thomas	III	2004
18. M. Sc. Botany	Anila N.	I	2004
19. M. Sc. Botany	Girish V.M	III	2004
20. M. Sc. Zoology	Sujith Kurien Joseph	II	2004
21. M Com	Sumesh C.S.	III	2003
22. M. Sc. Chemistry Pure	Veena Menon K.	I	2003
23. M. Sc. Chemistry Pure	Pramod P.	II	2003
24. M. Sc. Chemistry Applied	Prakash P.N.	II	2003
25. M. Sc. Chemistry Applied	Jean Kumar V.U.	III	2003
26. M A English	Neelima Ravikumar	I	2002
27. M A English	Fr Saji Peter	II	2002
28. M Com	Asha M.	II	2002
29. M Sc. Physics	Manju M.	III	2002
30. M Sc. Physics	Parvathy M.R.	I	2002
31. M Sc. Chemistry Pure	Deepa Puthenparambil	II	2002
32. M Sc. Zoology	Sreelakshmi B.	III	2002
33. M Sc. Chemistry Pure	Biju A.T.	I	2001
34. M Com	Anu Alappat	II	2000
35. M Com	Pratheeksha	III	2000
36. M Sc. Chemistry Pure	Aswathy K.V.	II	2000
37. M Sc. Zoology	Sony Devassy	I	2000

Appendix – IX

Educational and research awards/fellowships received by the faculty

Sl. No.	Name of the Faculty	Name of the Award	Year
1	Dr P A Sebastian	Invitation for Paper Presentation in Bulgarian Academy of Sciences, Bulgaria. Royal Belgium Institute of National Sciences, Belgium	2005 2004
1.	Dr K.V. Raju	Hubert Humphrey Alumni Award K.K. Birla National Fellowship Award in Economics	2001 2000
2.	Dr V.T. Jose	UGC Post Doctoral Fellowship in Economics	2004-2007
3.	Dr M.S. Francis	UGC Post Doctoral Fellowship in Botany	2004-2007
4.	Dr Philip Mathew	Common Wealth Academic Staff Fellowship	2003 & 2004
5.	Dr P.C. Sebastian	SERC Visiting Fellowship Indian National Science Academy Visiting Fellowship	2001 2002
6.	Dr T.J. James	SERC Visiting Fellowship	2001
7	Samson Davies	Invitation for Paper Presentation in Spain in the 23 rd European Colloquium of Arachnology.	2006

Appendix – X

Institutional award recipients

Dan Thottakkara Publishing Scholars Award (2000 – 06)

Year of the Award	Name of the Teacher and Department
2000	P.R. Muraleedharan, Department of Oriental Languages -Malayalam and Dr T.J. James, Department of Zoology
2001	K.E. Thomas, Department of Zoology
2002	Dr C.M. Joy, Department of Botany
2003	Dr George Joseph, Department of Botany
2004	Thomas Thiruthanathy, Department of English
2005	M. P. Sebastian, Department of Mathematics
2006	Samson Davis Padayatty, Department of Zoology

Dan Thottakkara Best Students Service Award

Year of the Award	Name of the Teacher and Department
2000	K.C. Abraham, Department of Economics
2001	Peter Thomman, Department of Physical Education
2002	P.J. Philip, Department of English
2003	Dr Tom Varghese, Department of Oriental Languages – Hindi.
2004	C.S. Jayaram, Department of English
2005	Dr Paulose K.K., Oriental Languages – Hindi
2006	P.J. Philip, Department of English

Appendix – XI

Research guides supervising research in the college

Economics (1998)	
1.	Dr K.V. Raju HoD
2.	Dr N. Ajithkumar, Cochin College, Kochi
3.	Dr Jose T. Payyappily, Former Director, SMS CUSAT & DeanSEMS
4.	Dr K.A. Stephenson, Christ College, Irinjalakkuda
Commerce (1998)	
5.	Dr K.X. Joseph, HoD
6.	Dr Thomas John, Catholicate College, Pathanamthitta
7.	Dr Vasanthagopal, Cochin College, Kochi
Botany (1988)	
8.	Dr Joseph Jose
9.	Dr V.J. Dominic, HoD
10.	Dr Joy P. Joseph
11.	Dr C.M. Joy
12.	Dr M.S. Francis
Zoology (1998)	
13.	Dr P.A. Sebastian
14.	Dr Philip Mathew
15.	Dr John Joseph
16.	Dr P.C. Sebastian
17.	Dr T.J. James
18.	Dr N.D. Inasu, Christ College, Irinjalakkuda
19.	Dr John Thomas, Christ College, Irinjalakkuda
20.	Dr Thomas Philip, U.C. College, Aluva
Physics (1998)	
21.	Rev. Dr George Peter
22.	Dr Palson T.I.
Chemistry (1998)	
23.	Rev. Sr. (Dr) Eliamma Zacaria
24.	Dr M. George

Appendix – XII

Ph D produced in the research departments of the College

Sl. No.	Name of the Student	Name of the Research Guide	Year Thesis awarded	Subject
1.	Annie Joseph	Dr Joseph Jose	2000	Botany
2.	Suma K.P.	Dr C.M. Joy	2000	Botany
3.	Titus Coreya	Dr N. Ajithkumar	2001	Economics
4.	Rajalakshmi.R.	Dr Joseph Jose	2002	Botany
5.	K.P. Jose	Dr C.M. Joy	2003	Botany
6.	V.J. Dominic	Dr Joy P. Joseph	2003	Botany
7.	Manju Mahadevan	Dr Joy P. Joseph	2003	Botany
8.	Manju Varghese	Dr T. J. James	2003	Zoology
9.	N. Madhava Menon	Dr N. Ajithkumar	2004	Economics
10.	Helen A.P.	Dr N. Ajithkumar	2004	Economics
11.	C.K. Lakshmipriya	Dr N. Ajithkumar	2004	Economics
12.	Kochurani Thomas	Dr N. Ajithkumar	2005	Economics
13.	Johnsy M.	Dr M.S. Francis	2005	Botany
14.	K. Ravindranath	Dr K.X. Joseph	2005	Commerce
15.	Stanley Chazhoor	Dr S. Venugopal	2005	Commerce
16.	Aruna A.	Dr Joy p. Joseph	2005	Botany
17.	Rose George	Dr Joy P. Joseph	2005	Botany
18.	Malathy M.R.	Dr Joseph Jos	2005	Botany
19.	Sunil Jose K.	Dr P.A. Sebastian	2006	Zoology
20.	Nandakumar A.	Dr Philip Mathew	2006	Zoology
21.	P. Rajendran Nair	Dr N. Ajithkumar	2006	Economics
22.	Paul Cornelius	Dr N. Ajithkumar	2006	Economics
23.	Ouseph T.P	Dr K.V. Raju	2006	Economics

Appendix – XIII

Minor and major projects 2000-06

Sl. No	Dept	Investigator/co-investigator	Funding agency	Title	Year	Amount
1.	Economics	Dr Siby Zacharias	Govt.of Netherlands through CDS Thiruvananthapuram	Micro-level impact of Tribal development schemes among the Kadar Tribe of Kearla. Project completed	2001-02	1,75,000
		Dr Jose V.T	(KRPLLD,CDS,TV M) & Netherlands Ministry of Development Co-operation.	Urbanisation process & changes in Land use pattern in Kochi Urban Conglomeration Report submitted.	2001-03	1,95,000
			The UGC Research Award Scheme, X-Plan	Sustainable Land use Planning in Kerala. Report submitted	2004-07	2,50,000
2.	Chemistry	Joseph .T. Moolayil Dr M. Gorge	KSCSTE, Trivandrum	Gas phase Intra molecular Cyclizations of Ionized Aromatic Compounds in Mass Spectrometry	2002	166000
3.	Botany	Dr M.S. Francis	UGC	Post Doctoral Research award	2004-07	4,00,000
4.	Zoology	Samson Davis	UGC Minor Research Project	The taxonomy and behaviour of the spiders of the genus Myrmarachne	2004-06	29,000
		DR P.A. Sebastian	Kerala State Council for Science Technology And Environment, Trivandrum, Kerala	Bio-ecological Studies and the Predatory Potential of the Spider Fauna in the Rice Ecosystem of Kuttanad in Kerala.	2001-04	1,87,000
		DR P.A. Sebastian Dr John Joseph (Co-investigator)	Indian Council of agricultural Research, New Delhi	Bio-ecology, conservation and predatory potential of spider fauna in vegetable and rice agroecosystems	2002-05	6,45,1900
		DR P.A. Sebastian	Kerala State Council for Science Technology and Environment, Trivandrum, Kerala	A Qualitative Study on the Biodiversity of Spider Fauna in Ernakulam District, Kerala State	2003-Till Date	3,19,000
		DR P.A. Sebastian Dr John Joseph	Ministry of Environment and	Bioecology of Spiders in Western Ghats of	2006-Till date	15,35,710

		(Co-investigator)	Forests, Govt. of India, New Delhi	Kerala		
		DR P.A. Sebastian	University Grants Commission, New Delhi	A study on The Mygalomorph Spiders in Western Ghats, Kerala, India	2004-Till date	28,000
		Dr Philip Mathew	UGC Major Research Project	Bacterial isolation and characterization of proteins from prawn shell wastes	2002-05	5,54,000
		Raju M.K	Minor UGC	Quality & Source of prawn seeds in Kerala	2004	34,000
		Dr T.J. James	UGC DST	Deprenyl as an anti-ageing	2003-06 2002	50,000 5,00,000
5.	Commerce	Dr K.X. Joseph	Centre for dissemination of Appropriate Rural Technology, Kalady	Holistic design and resource mapping of Kalady Panchayat	2004-05	25,000

Appendix- XIV
Research collaboration: International - 2000 – 06

Sl. No	Name of the Faculty	Agency / University	Place
1.	Dr George Peter	Hohenheim University, Stuttgart	Germany
2.	Dr George Francis	Hohenheim University, Stuttgart	Germany
3.	V.S. Sebastian	Washington University	USA
4.	Dr M. George	Washington University	USA
5.	Dr P.A. Sebastian	Bulgarian Academy of Sciences Royal Belgium Institute of National Sciences Royal Museum for Central Africa Terrestrial Ecology Unit Global Taxonomy initiative	Bulgaria Belgium Belgium Ghent, Belgium Belgium
6.	Dr T J James	Washington University	USA

Research collaboration: National - 2000 – 06

1	Dr Thommachan Xavier	CUSAT	Kochi
2	V.S. Sebastian	IICT Hyderabad	Hydrabad
3	Dr M. George	IICT Hyderabad	Hydrabad
4	Dr Sibi Mathew	Renewable Energy Centre Mithradham	Aluva
5	Dr Joy P Joseph	Indian Cardomom Research Institute Myladum para	Idukki
6	Dr Samsom Da's	Zoological Society of Kerala	Kottayam
7	Dr P.A. Sebastian	Indian Institute of Pulses Research CPCRT KFRI TBGRI IFGTB Hyderabad University IWSST ATREE BAIT Kerala Agricultural University	Kanpur Karnataka Thrissur Trivandrum Coimbatore Hydrabad Bangalore Bangalore Tamilnadu Thrissur
8	Dr P.C. Sebastian	National Institute of Immunology	New Delhi
9	Dr Philip Mathew	CUSAT	Kochi
10	Dr T J James	Alzheimers & Related Disorders, Society, India Jiwaji University Kurukshetra University Zoological Society of Kerala	Kochi Gwalior Kurukshetra Kottayam
11	Dr V.T. Jose	KRPLLD CDS Maraud Panchayath	Trivandrum Ernakulam
12	T.P. Thomas	Silpi Aquaculture Ltd. Silpi Reaction and contraction PvtLtd. Silpi Agrotech Pvt Ltd. Silpi extractions Pvt Ltd. Eastern condiment Ltd. Kochin TVS. Elenjical Consolidates.	Lakshwadeep Lakshwadeep Lakshwadeep Lakshwadeep Adimaly Ernakulam Ernakulam

Appendix -XVII

Scholarships availed by the students (2000-06)

	2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006	
	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG	UG	PG
NMS	2		1				1		1			
AFWWA	1											
NCERT	1		1		1				1		1	
DMS	1											
UMS	27	3	9	11	7	13	7	18	6	10	15	19
SC	138	11	124	22	79	25	76	26	80	23	95	27
ST	26	4	23	5	24	6	17	5	11	7	9	6
OEC	140	14	100	7	123	5	147	9	144	10	143	15
OBC	62	9	63	16	76	20	33	5	43	14	54	32
KPCR	59	22	73	26	72	34	146	50	143	25	150	32
Fishermen	2		2	1	11	1	12		11	2	7	1
Total	459	63	396	88	393	104	435	113	439	91	474	132
Total Scholarship availed	522		484		497		548		530		606	

NMS : National merit scholarship

AFWWA: Air Force wives welfare association award

NCERT : National Council of Educational Research and Training.

DMS : District merit scholarship

UMS : University merit scholarship

KPCR : Kumara Pilla Commission Report Scholarship

Appendix – XVIII

Players represented the Kerala State and M G University: 2000 – 06

No.	Player's Name	Game	Level
1.	Joe Antony	Basket Ball	State & University
2.	Nirmal Thomas	Basket Ball	University
3.	Jiju John	Basket Ball	University
4.	Vivek V.	Basket Ball	Univ ersity
5.	Jose Philip	Basket Ball	University
6.	Sinu S.	Basket Ball	Junior State
7.	Arun Raj	Table Tennis	State & University
8.	Suvin K.X	Table Tennis	University
9.	Jeeju John	Tennis	University
10.	Denny Pazhoor	Tennis	University
11.	Vivek .R	Tennis & Shuttle	University
12.	Ajay Krishnan	Badminton	University
13.	Sandeep Luiz	Badminton	State & University
14.	Ajay Peter	Cycling	State & University
15.	Micheal Vineesh	Cycling	University
16.	Sijo Jose	Cycling	University
17.	Liffin Joseph	Cycling	University
18.	Vinod Kumar	Volley Ball	University
19.	Varun Girilal	Cricket	State & University
20.	Febeena .T.H	Tennikoit	State
21.	Antony Jones	Athletics	University
22.	Melwin .P.Jose	Athletics	State & University
23.	Kukku Ramesh	Chess	State & University
24.	Aashish K.S	Chess	University
25.	Sudheesh K.S	Chess	University
26.	Devyani Argal	Rifle Shooting	State
27.	Haneefa K.G	Judo, Yoga	State & University
28.	Noufal H	Yoga	State
29.	Teenij Varghese	Yoga	University
30.	Tesney Varghese	Yoga & Judo	State
31.	Teena Alex	Judo	State
32.	Ajinth .L.Dennison	Power Lifting	State & University
33.	Jaish George	Best Physique	University
34.	Jojo K.J	Judo, Wrestling	State & University
35.	Fenil M.Thampi	Judo	State & University
36.	Anson O.J	Judo	State & University
37.	Sreekumar T.S	Judo	State
38.	Sudheesh Joseph	Judo	State
39.	Anil Raj	Judo	State
40.	Blessy Stephen	Power Lifting	University
41.	Jaison V.S	Soft Ball	University
42.	Rajesh Kumar.T.P	Soft Ball	University

43.	Tom .B.Jose	Judo	State
44.	Ajesh P V	Basket Ball	State & University
45.	Joe Thomas	Basket Ball	University
46.	Jolly Peter	Basket Ball	University
47.	Siju Joseph	Basket Ball	University
48.	Thomas Babu	Basket Ball	University
49.	Rajesh .M..R	Basket Ball	University
50.	Sreenath	Table Tennis	University
51.	Sunil Kumar	Table Tennis	University
52.	Savan Navaz	Badminton	State & University
53.	Ramakrishnan	Chess	University
54.	Aswathey Mathew	Judo	State & University
55.	Rajaneesh .R	Judo	University
56.	Benny John	Judo	State
57.	Leslie Xavier	Judo	State & University
58.	Rajesh Kumar.T.P	Soft Ball	University
59.	Cini Paul	Softball	State & University
60.	Patric J.Christopher	Softball	University
61.	Jaison.V.S	Soft Ball	University
62.	Jijo.V.J	Softball	University
63.	Shiju.N.P	Softball	University
64.	Siju Joseph	Basket Ball	University
65.	Rajesh .M..R	Basket Ball	University
66.	Ramakrishnan	Chess	University
67.	Rajaneesh .R	Judo	University
68.	Cini Paul	Softball	State & University
69.	Jijo.V.J	Softball	University
70.	Maxwell David	Judo, B.Phy	State & University
71.	Sham. A	Volleyball	University
72.	Jith Kumar	Volleyball	University
73.	Inu Varghese	Ball badminton	University
74.	Shinod .K.John	Bodybuilding	State
75.	Jaison Joseph	Judo	University
76.	Shyam P. Gopan	Badminton	University
77.	Shivashanker Bodra	Badminton	University
78.	Binu Raj	Badminton	University
79.	Antony Jacob	Badminton	University
80.	Ajo Joseph	Tennis	University
81.	Sunoj.V	Tennis	University
82.	Rajesh.P.N	Basketball	University
83.	Jeevan Raj	Basketball	University
84.	Antry Soloman	Basketball	University
85.	Jebin .V.S	Basketball	University
86.	Soumya	Yoga	University
87.	Sajeera T.M	Judo	University
88.	Chanchel.C.Sasi	Wrestling	State

89.	Ceethal.C. Sasi	Weight Lifting	University
90.	Alex Chacko	Yoga	University
91.	Vinu Devasikutty	Judo	University
92.	Leo Xavier	Wrestling	University
93.	Prasanth.P.R	Judo	University
94.	Antony Aswin	Judo	University
95.	Regan Timothy	Tennis	University
96.	Sudheesh.K.G	Chess	University
97.	Arun Mathew	Chess	University
98.	Anas H.	Bodybuilding	University
99.	Nizar M.H.	Wrestling	State
100.	Nizar . P.A	Bodybuilding	University
101.	Shinto Thomas	Volleyball	University
102.	Sujith P.	Ball Badminton	University
103.	Maiju Mohan	Ball Badminton	University
104.	Jaison Joseph	Judo	University
105.	Manoj Shenoy	Table Tennis	University
106.	Chintu Jose	Table Tennis	University
107.	Emel Joseph	Basketball	University
108.	Prince Joseph	Basketball	University
109.	Krishna Chandran	Basketball	University
110.	Mathew George	Yoga	University
111.	Rony Sebastian	Yoga	University
112.	Subash George	Yoga	University
113.	Jijo V.J	Judo	University
114.	Rejohn Timothy	Tennis	University
115.	Anas H.	Body building	University
116.	Hormis Thambi	Bodybuilding	University
117.	Sinto Thomas	Volleyball	University
118.	Sanker Gopan	Badminton	State, University
119.	Binoy P.	Badminton	University
120.	Anoop A.	Volleyball	University
121.	Prasinji	Volleyball	State
122.	Ginto Thomas	Table Tennis	University
123.	Rynold Timothy	Tennis	State, University
124.	Vipin Raphel	Bodybuilding	State
125.	Jeswin T.J.	Kabadi	State ,University
126.	Neethu T	Judo	State ,University
127.	Sajith P.	Judo	University
128.	Nissar M.H.	Wrestling	State
129.	Samjith K.A.	Wrestling	State
130.	Abdul Ramsheed	Wrestling	State

Overall Position in Mahatma Gandhi University in Sports: 2000 -06

1999 – 2000	Winners [Manorama Trophy]
2000 – 2001	Runner- Up
2001- 2002	Runner- Up
2002 – 2003	3 rd Position
2003- 2004	Winners [Manorama Trophy]
2004 -2005	3 rd Position
2005- 2006	Runner –Up

Players secured Medals in the National and International Tournaments 2000-06

1. Melwin. P.Jose Gold Medal in Hammer Throw in South Zone Junior Athletic Meet.
2. Kukku Ramesh Won Junior Chess Champion and secured Inter National FIDA Ranking.
3. Sandeep Luiz- Won the National Junior Badminton Championship.
4. Ajith. L.Dennison –The Gold Medal -Asian Junior Power Lifting Championship held at Korea and Bronze Medal in the World Junior Power Lifting Championship at Russia.
5. Tesney Varghese –Gold Medal in the South Indian National Judo Championship
6. Maxwell David- Silver Medal in the South Indian Judo Championship
7. Shinod .K.John- Bronze Medal in the South Indian Body building Championship
8. Anas . H-.All India Inter University Gold medalist in Body building
9. Sanker Gopan - Junior National Badminton winner.

Players Represented India- from 2000 - 06

1.	Miss.Divyani Argal	Rifle shooting
2.	Roopesh Kumar	Badminton (Sr. India)
3.	Savan Navaz	Badminton (Jr. India)
4.	Sandeep Luiz	Badminton (Jr. India)
5.	Varun Girilal	Cricket-(Under 19 Indian Team)
6.	Kuku Ramesh	Chess, FEDA Ranking
7.	Ajinth. L. Dennison	Asian Gold medalist, World 2 nd Place
8.	Vivek. V	Basketball (Senior)India
9.	Prasinji.P	Volleyball (Youth) India
10.	Sanker Gopan	Badminton (Jr. India)

Appendix – XIX

Renowned alumni of the College

Department of English		
1	T. Ramachandran	A Writer and Critic.
2	Sudhakaran	A prominent critic and academician
3	Prof. C.D Sebastian	HoD of St. Paul's College, Kalamassery
4	K. Pradeep	Senior journalist with The Hindu
5	Dr Satheesh Poduval	Professor and Research guide at CIEFL
6	Samuel & Ms. Anu Babu Kurian	Reporters with The Week
7	Dr Satheesh Poduval	Professor and Research guide at CIEFL
8	Ms. Nisha Purushothaman	Chief programmer of Manorama News channel
9	Krishna Prasad	Journalist with Times Now
10	Anne Thomas	Faculty, MCC Chennai, National Chairman YMCA
Department of Economics		
1	M.M Jacob	Governor of Meghalaya
2	P.J. Joseph	Ex. Education Minister, Kerala state
3	K.M Mani	Ex. Revenue Minister, Kerala State
4	Dr Thomas Issac	Finance Minister of Kerala
5	Dr Harikumar	Professor of Economics in the University of Pondicherry
6	Dr Harikumar	Professor of Economics in the University of Pondicherry
7	P.J Antony	Officer on Special Duty to Loksabha
8	Diwesh Sahara	I.A.S
9	Sundaran	I.P.S
10	Dr Radhakrishnan Nair	Development Economist World Bank
Department of Commerce		
1	Imran Asif	Managing Director , Abad Group , Kochi
2	Joe Antony	Preventive Officer, Customs and Central Excise
3	Ms. Prateeksha T.M	Senior Officer, Centurion Bank (B.Com & M Com 1 st Rank)
4	Mrs. Uma Komalam	Faculty member, TATA Institute of Management
5	Mrs. Rosy K.A	Senior Officer, AG's Office, Trivandrum
6	Mrs. Uma Komalam	Faculty member, TATA Institute of Management
7	Mrs. Rosy K.A	Senior Officer, AG's Office, Trivandrum
8	Mrs. Emyln Maria Mathew	Practicing Chartered Accountant, Menon & Menon
9	Karthik P	Officer, WIPRO, Bangalore
10	Vinod Martin	Consultant USA
Department of Sociology		
1	Saji P. Jacob	Lecturer, Loyola College, Tvm
2	George Pulikan	Sub-Editor Mathrubhoomi
3	Antony George	Photographer, National Geographic Channel
4	P.B. Shaju	Senior Advocate, High Court of Kerala
5	R. Praveenkumar	Ranbaxy Las Ltd, Bangalore

6	Antony George	Photographer, National Geographic Channel
7	P.B. Shaju	Senior Advocate, High Court of Kerala
8	Denny Chacko	Police Officer
9	Clement Amitab Antony	Central Govt. Employee
10	R. Praveenkumar	Ranbaxy Las Ltd, Bangalore
Department of Oriental Languages		
1	V.D. Satheesan	Member of Legislative Assembly ,Kerala
2	B. Manoj	Editor, Mathrubhumi Weekly.
3	Francis P.S	Intelligence Personal Security, Vice President of India.
4	Jolly Abraham	Famous Playback singer.
5	Sanandakumar	Editor, Economics Times, Kochi.
6	Mrs. Dalia Varghese	Officer, State Bank of Travancore .
7	Mr. Jolly Abraham	Famous Playback singer
8	Mr. Sanandakumar	Editor, Economics Times, Kochi.
9	Mr. Joseph Vazhapilly	Advocate, High Cdourt of Kerala.
10	Mr. Ajith Joseph	Advocate, High Court of Kerala.
Department of Mathematics		
1	Gibi George P	Research Fellow , Canada
2	Mrs. Asha Gopalakrishnan	Reader CUSAT
3	Mahesh A.K	Research Fellow , U.S.A
4	Thomson P.U	Chief Manager, M.R.F
5	Mrs Anu Augustine	System Analyst, U.S.A
6	Mrs. Nisha Mary Thomas	Research Fellow, Bangalore
7	Baiju Ambookan	System Analyst , Sharjah
8	Thomson P.U	Chief Manager, M.R.F
9	Mrs Anu Augustine	System Analyst, U.S.A
10	Mrs. Vineetha V	Computer Programmer, Bangalore
Department of Physics		
1	Dr Pundath	One among the 50 talented Scientists selected by Scientific American Magazine; Head, Nano scale Science & Devices group of Oakridge National Laboratory Under U.S Defence Service.
2	Theji John Vadakken	Scientist Natural Lab, U.S.A.
3	Prof. V. J. Papoo	Former Registrar and Pro. V.C.,CUSAT
4	Dr Manoj K. Varma	Scientist, EZRRL, CSIR Tvm.
5	Dr Thomas Thundathil	Defence Scientist and Award Winner from Vice- President of U.S.A (Holding more than 20 patents)
6	Dr Manoj K. Varma	Scientist, EZRRL, CSIR Tvm.
7	Dr Thomas Thundathil	Defence Scientist and Award Winner from Vice President of U.S.A (Holding more than 20 patents)
8	M.P. Joseph I.A.S	Former Collector, Ekm
9	Pradeep B.	Guest Lecturer, International School of Photonics CUSAT)
10	Dr Ganapathiar	Senior Lecturer in Shastra Institute, Thanjavoor

Department of Chemistry		
1	Justice K. Narayana Kurup	Retired Kerala High Court
2	Prof. K.V Thomas M.L.A	Ex. Minister for Tourism, Kerala State; Exe. Member of Parliament
3	Dr Venkitaram	Senior scientist BARC Bombay
4	Vigil Bose	Outstanding Business Entrepreneur, U.S.A
5	Dr Anirudhan	HoD Department of Chemistry, Kerala, University
6	Dr Sony Varghese	Lecturer Polymer Science CUSAT
7	Dr Joseph K	Post Doctoral Fellow Michigan University, U.S.A.
8	Dr Mareena Rajan	Post Doctoral Fellow, University of Netherlands.
9	Dr K.A Paul	D.M, Radiologist, New York
10	Dr Laliamma Jose	Principal, Bharathamatha College, Thrikkakkara.
Department of Botany		
1	Prof. P.J.Joseph	Professor, St. Thomas College, Pala.
2	Prof. John K.P	St. Thomas College Trichur .
3	Dr T.T Cherian	Reader Bharathamatha College, Thrikkakkara.
4	Dr John Thoppil	Reader, Department of Botany, Calicut, University
5	Roy Zacharias	Lecturer, Department of Botany, SH College, Thevara.
	Dr.T.T Cherian	Reader Bharathamatha College, Thrikkakkara.
	Dr. John Thoppil	Reader, Department of Botany , Calicut University
	Mr. Roy Zacharias	Lecturer, Department of Botasany, S.H College
	Mrs. Reema Narendran	Sub-editor, New Indian Express, Trivandrum.
Department of Zoology		
1	Dr K.P.P Nambiar	Former F.A.O (UN) Expert & Editor of INFOFIS (Former)
2	M.K.R. Nair	Commissioner, Fisheries Development, Government of India
3	T.U Mathukutty	Judicial First Class Magistrate, Iringalakuda
4	P. Mohandas	Sub Judge, Trichur
5	Rev.Sr. Alphonsa	Principal, Morning Star College, Angamaly.
6	Mr. P. Mohandas	Sub Judge, Trichur
7	Mr. Abraham Mathew	Principal Sub Judge,Kandathil,Kakkanadu West P.O
8	Mr. K. Joseph Thomas Ph.D	Biotechnologist SPIC Centre, Mount Road Madras
9	Rev.Sr.Alphonsa	Principal, Morning Star College, Angamaly.
10	Mr. Bennichan Thomas IFS	Chief Preventive Officer, Project Tiger,periyar Wildlife Sanctuary, Thekkady
Department of Physical Education		
1	C.C Jacob	Asst commissioner, Customs, Former International football player
2	Anil B	Employee in B.P.L, Former International Volley Ball player
3	Sunny Joseph	Superintendent of customs, Former State Volley Ball player.
4	N.S Saleem	Advocate, State Basketball player.
5	K.G Haneefa	Lecturer, Physical Education, wrestler.
6	Mrs Ceslie Xavier	Teacher, State Wrestler

7	Mr. P.J Sebastian	Coach, Thevara Sports Council(basketball)
8	Mr. Vivek V	Customs Inspector, State Basketball Player
9	Mr. Joe Antony	Inspector Customs State Basketball player.
10	Mr. Jos Philip	Coach, Kerala Sports Council(Basketball State player)
Department of Aquaculture		
1	Biju N.J	Manager, Manaya Aqua Culture Farm.
2	Binoy Bose T	Manager, Manaya Aqua Culture Farm.
3	Manju T.J	Manager, Manaya Aqua Culture Farm.
4	Sudha P Nair	Manager, Manaya Aqua Culture Farm.
5	Alan T Antony	Technologist in Fish Processing Entrepreneurship
Department of Computer Science		
1	Mrs. Ramya D Das	Lecturer (Guest) SH College, Thevara.
2	Mrs. Prasteena Mary	Software Engineer Infosys, Bangalore.
3	Mrs. Radhika Valvekar	Graphics student, U.S.A
4	Rajeev	Software Engineer Infosys, Bangalore
5	Mrs. Andrea Maria 'Costa	Software Engineer Infopark, Kochi.

Appendix – XX

Fee Structure (in Rs.)

A. Regular courses:

Sl.No	Course	Year	Ad. Fee	Caution Deposit	Lab Fee (PA)	Spl. Fee (PA)	Uty Fee (PA)	Tuition Fee (PA)
1	BA/Bcom	1 st yr	75	360	-	300	370	660
		2 nd yr	-	-	-	300	70	660
		3 rd yr	-	-	-	300	70	660
2	BSc Maths	1 st yr	75	360	100	300	370	660
		2 nd yr	-	-	100	300	70	660
		3 rd yr	-	-	-	300	70	660
3	Phy/Chem	1 st yr	75	360	280	300	370	660
		2 nd yr	-	-	280	300	70	660
		3 rd yr	-	-	280	300	70	660
4	Bot/Zool	1 st yr	75	360	380	300	370	660
		2 nd yr	-	-	380	300	70	660
		3 rd yr	-	-	180	300	70	660
5	MA	1 st yr	150	600		400	320	1100
		2 nd yr	-	-	-	400	70	1100
6	MSc Maths	1 st yr	150	600	-	400	320	1100
		2 nd yr	-	-	-	400	70	1100
7	MSc (others)	1 st yr	150	600	900	400	320	1100
		2 nd yr	-	-	900	400	70	1100

B. Self financing courses

Sl.No	Course	Total Fee (Rs)
1	BSc- Industrial Chemistry	30,000 (for 3 years)
	BSc-Computer Applications	30,000 (for 3 years)
2	BCom-Computer Application	30,000 (for 3 years)
3	MSc Aquaculture and Fish Processing	12,500 (per Semester)

Appendix – XXIII

Statements of Accounts of PTA (Expenditure in Rs.)

Particulars	2001-02	2002-03	2003-04	2004-05	2005-06
Expenditure					
Welcome & Send off Meeting	8320	4515	2700	4965	4470
Financial Aid to Students	10400	11900	14400	17850	24400
Sargapadham	1000	10000	10000	10000	10000
Heartifest	10000	15000	10000		10000
Tournaments	10000	10000	10000	10000	10000
Youth Festival	15000		15000		
Financial Aid to participate International Competition		10000			
Financial Aid to participate Interuniversity Youth Festival					5000
Medical Aid					6000
Office Staff Allowance	1200	1500	1500	2000	2000
Memento, Boquet, Photo etc.	4937	2415	2578	1770	2370
Postal Charges	445	545	2900	2840	2815
Annual General Body, Exe. Meeting	2690	780	905	1000	1265
Fridge to Co-operative Society		11650			
Stationary & Printing Charge			1385	140	165
Financial Aid to Magazine Publication (Commerce)					500
Bank Charge	100		100		

Statements of Accounts of PTA (Income in Rs.)

Particulars	2001-02	2002-03	2003-04	2004-05	2005-06
Income					
Subscription	69920	71750	74250	74850	83250
Interest	82	69	73		153

Appendix – XXIV

Internal Quality Assurance Cell (I Q A C)

1.	Principal and Chairperson	Fr A.J. Saviance
2.	Co-ordinator	Prof. M A Kurian
3.	Joint Co-ordinator	Ms. Suma Thomas
4.	Staff Representative	Prof. Jose P Joseph
5.	Staff Representative	Dr T.J. James
6.	College Council Secretary	Dr V.J. Dominic
7.	Senior Superintendent	V.A. Jose
8.	Management Representative	Rev. Dr George Peter Pittappillil
9.	PTA Vice-President	A. Jayaprakash
10.	Alumni Representative	Dr K.X. Joseph
11.	Student Representative	Vivek K. R. ,College Union Chairman
12.	Academician	Dr Jose Thomas Payyappilly
13.	Local Representative	C.K. Gopalan
14.	Member	Alphonse Ligor
15.	Member	Dr M. George
16.	Member (Secretary)	Dr C.M. Joy

Sub-committee (IQAC)

1.	Fr A.J. Saviance – Principal and Chairperson
2.	Prof. M A Kurian – Co-ordinator
3.	Ms. Suma Thomas – Joint Co-ordinator
4.	Dr C.M. Joy (Secretary)
5.	Dr M. George
6.	Dr T.J. James
7.	V A Jose
8.	S.V. Johnson