

The Annual Quality Assurance Report (AQAR) of the IQAC

Submitted to

**NATIONAL ASSESSMENT AND ACCREDITATION
COUNCIL UNIVERSITY GRANTS COMMISSION**

Submitted by



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Year of Report: 2006-2007

Part A

The plan of action chalked out by the IQAC in the beginning of the year aimed the overall development of the college. Ample thrust was given to both infrastructure and academic developments of the Undergraduate and Postgraduate teaching departments as well as the Research departments. The main proposals in the action plan and the outcome achieved by the end of the year are:

MATHEMATICS

1. To encourage the teachers to apply for major and minor research projects and bring funds to the department.

The proposal for a Fast Track Project for Young Scientists submitted by Dr. Sunil C. Mathew to the Department of Science and Technology, Govt. of India, is under process. Another minor research project worth Rs. 60,000/- (PI: Dr. Sunil C. Mathew), funded by UGC is in progress.

2. To encourage the teachers and students to use computer and internet.
Many of the teachers and most of the students have got ample expertise in using computers
3. To organize programmes to attract more students to Mathematics Graduate Course.
A Maths Awareness Programme for Plus one students had been arranged during Nov-Dec 2006.

STATISTICS

1. An International Conference in 2007.
2. DST-SERC Schools in Stochastic Process Modelling, Design of Experiments and Quality Control, Exploratory Data Analysis and Statistical Computing.
3. More seminars and invited talks to be arranged.
4. More association activities
5. Biostatistical Surveys and Data Analysis.
6. Student Projects supported by KSCSTE.
7. Publication of a Journal of international standards.
8. Strengthening consultancy activities.
9. Career Guidance and Placement Cell to be strengthened
10. Poor students aid fund will be made operational.
11. Alumni activities will be strengthened further.
12. Syllabus updating for M.Sc. and B.Sc. during 2006-'07.
13. Research Activities will be further enhanced. A research room is urgently needed.
14. Strengthening infrastructure, beautification of the Department and the campus.

Most of the activities planned could be implemented.

PHYSICS

1. To encourage the teachers to apply for major and minor research projects and bring funds to the department.
A proposal for a major research project is being prepared by Dr. Vincent Mathew on *Plasmonic Waveguide Analysis* for optical integrated circuits, and will be submitted to DST for funding. As the follow-up programme of INSA-HAS exchange programme, Dr. Vincent Mathew has applied to a joint research project on quantum transport to Indian National Science Academy.
2. To modernize the laboratories and classrooms.

Major renovations have been done in the UG and PG laboratories. The UG laboratories were shifted to a new place close to the department. A new laboratory for research work in theoretical physics was constructed. Class rooms were modernized.

3. To encourage the teachers and students to use computer and internet.

Many of the teachers and most of the students have got ample expertise in using computers and internet. The department has got a computer lab and round the clock broad band internet facilities. We could generate a growing interest among the students and teachers to use internet, e-journals, intranet facilities, Physics related computer softwares etc.

CHEMISTRY

1. *To submit a major proposal under the FIST scheme to the Department of Science and Technology, Govt. of India for the total infrastructure development of the department.*

We have prepared a major proposal worth Rs. 2.27 crores and submitted to DST in December 2006. The proposal includes starting of new research laboratory, strengthening of P.G. and U.G. laboratories, procuring modern instruments, modernization of class rooms, installation of Apple Work Station etc.

2. *To take follow up action in starting a new P.G. programme in the department.*

The syllabi and curricula of the new proposed course “M.Sc Nanochemistry and Nanotechnology”, submitted to Mahatma Gandhi University, was approved by the university. The Commission constituted by the University, visited the department and submitted its recommendation to the University.

3. *To encourage the teachers to apply for major research projects and bring funds to the department.*

A proposal for a major research project was submitted by Dr. Sunny Kuriakose to the Department of Science and Technology, Govt. of India, and this project was selected by the Government for the award of a research grant, and a sum of Rs. 8.69 lakhs was released. Another major research project worth Rs. 6.13 lakhs (PI: Dr. Sunny Kuriakose), funded by UGC is in progress.

4. *To modernize the laboratories and classrooms.*

The P.G. laboratories were renovated and the work tables were refurnished with glass tops to prevent corrosion, rusting and other hazards. The classrooms were modernized with new tables, chairs and stationary.

5. *To encourage the teachers and students to use computer and internet.*

Many of the teachers and most of the students have got ample expertise in using computers and internet. The department has got computer and round-the-clock broadband internet facilities. We could generate a growing interest among the students and teachers to use internet, e-journals, intranet facilities, chemistry related computer softwares etc.

BIOTECHNOLOGY

1. It was possible to improve on the quality of the project works being conducted as part of the Postgraduate programme. For this departmental project monitoring committee consisting of the Course coordinator and two teaching faculty one each from Biotechnology and Microbiology was constituted. The students had to do two work presentation seminars related to their area of study. Yearly assessment of teacher performance was also linked to active involvement of teachers in the research work of the students. Through these efforts it was possible to achieve the following:

One student could participate in Poster presentation Competition during the Kerala Science Congress, two students participated in Poster presentation in a national seminar held at Bharathiyar University. Two papers were published (one each in a national and International Journal).

2. Basic requirements for establishment of animal cell culture laboratory have been completed. Instruments needed for this have been installed. It has been possible to establish a close working relation with Amala Cancer Center for developing this laboratory.
3. The proposed Plant Molecular Biology laboratory has been established and provides the students to have a hands on training in Molecular Biology techniques

4. Even though it has not been possible to set up an independent Bioinformatics center, it has been possible to set up a laboratory in Collaboration with Department of Statistics and Biostatistics where the students of Biotechnology and Applied Microbiology are able to use and get trained in Bioinformatics.

BOTANY

1. We had planned to elevate the departmental facilities to a level of a national research centre with the financial aid of Department of Science and Technology, Government of India, New Delhi under the FIST scheme.

We have prepared a detailed proposal for the augmentation of departmental research facilities and submitted to DST, New Delhi. The proposal contained a financial requirement of Rs. 2.79 Crores.

2. Another plan that we have chalked out in the beginning of the year was to establish a new laboratory for Ethnobiology and a project in Ethnomedicine

A laboratory with all facilities for screening of medicinal plants is set in the department. A separate herbarium is also set along with the lab. A project having a financial assistance of Rs. 9.41 Lakhs funded by Division of Science and Society, DST, New Delhi is presently going on in the department

3. Third plan of the department is to modernise the department and laboratory with financial aid from Kerala State Council for Science, Technology and Environment (KSCSTE)

In this aspect we are fully success. We applied for the financial assistance for modernising the department and Lab to KSCSTE under SARD Scheme and we have gained a funding of Rs. 13.1 lakhs.

4. The last major plan of the academic year 2006-07 was to avail plant science research experience abroad.

Two of the faculty members, namely, Dr. Jos T. Puthur and Dr. Dennis Thomas T. were selected by BOYSCAST fellowship of DST, Govt. of India for post-doctoral research at Hungary and Germany.

ZOOLOGY

1. Conducted a certificate course in Apiary Management for non Biology students. The course co-ordinator was Prof. Joseph Mathew K., a senior faculty member of the department. The course was conducted between September 2005 to February 2006.
2. Invited Lecture conducted for Zoology student on Leptospirosis and Avian flue. Resource person was Dr. Punnen Kurian Rodent Research Centre Manarcad.
3. Preparation of Question Bank for Degree students is in progress.
4. We use multimedia facilities for effective teaching.
5. Conducted remedial classes for the weak students of IDC, IIDC and IIIDC Zoology students.
6. Preparation of a calendar of Biologically important dates of observation is in progress. Last year we observed

7. The department members of Zoology association actively participated in programme on Clean Meenachil an awareness travel through the river from Aruvithara to Mutholi on 3.10.06.
8. Zoology association and members of zoology department conducted a study journey by walk from Mutholi to Lalam Thodu junction part of the Meenachil river based to collect first hand information on the nature of pollution and sand mining in the river bed.
9. Conducted following invited lecturers for degree students
 1. Prof Joseph Mathew P.
Topic : Application of Concology, conducted on 30.10.06
 2. Prof George P.V.
Topic: Recent Trends in Culture of Macrobrachium Rosenberge in Fresh Water Body.
Conducted on 06.01.07.
10. Conducted Career Guidance seminar for plus two students with collaboration of Career Guidance cell of the college and Botany department.

ECONOMICS

1. To organize a seminar on Tax Reforms, facilitating paper presentation by the students of the department.

National Seminar on **Tax Reforms** was conducted in jointly by the departments of Economics, Commerce and of Political Science, under the auspices of the P.J. Thomas Centre for Social Science Research on 26th and 27th August 2006. The Seminar was inaugurated by Dr. M. Naganathan, Hon'ble Vice Chairman, Planning Commission, Tamil Nadu. Sri. K.M. Mani MLA, former minister for Finance and Law, Government of Kerala presided over the meeting. Many students of the department participated in the paper presentation competition held along with it

2. To conduct invited talks on selected topics.

We organized an expert lecture on '**Career Opportunities for Economics Students**' on 14th November 2006. Ms. Rosemary K. Abraham, Lecturer in Economics, Assumption College, Changanacherry, and I rank holder in the IES examination conducted by the UPSC was the resource person. The aim of the programme was to create awareness in our students about the career opportunities in economics in the liberalized scenario.

3. To submit the proposal for postgraduate development assistance to U.G.C during 10th plan period.

The proposal for postgraduate development grant worth Rs.250000 was submitted to U.G.C in December 2006. An amount of Rs.173400 was sanctioned, of which half of the grant was for the purchase of computer and LCD projector and the rest for buying library books and new journals

4. To conduct a visit to Stock market terminal to provide first hand information to our students regarding its mode of operation.

The final year degree Economics students went on a visit to the NSE Terminal at the Pala branch of the Geojith Financial Services Ltd., on 10th January 2007. Students got first hand knowledge of the practical sessions in stock market trading. Every aspect of trading was explained to them in detail by the management and staff.

5. To encourage the teachers to apply for research projects and bring funds to the department.
Sri. K.K John of our department has submitted a minor research project proposal to U.G.C. for award of research grant.

6. Participation by staff and students in the inter- disciplinary activities of the college such as Forum for Environmental Care and Studies, Entrepreneurship Development Club etc.

Teachers and students of the department actively took part in the activities of the Inter-disciplinary Forum for Environmental Care and Studies and the Entrepreneurship Development Club.

POLITICS

1. To submit a proposal to the MHRD, Govt. of India Delhi to organize an awareness seminar on Intellectual Property Rights:

Ministry of Human Resource Development, Govt. of India, has sanctioned an amount of One lakh rupees for organizing an awareness seminar for teachers, NGO's, Police Officials, Customs Officials on 'Intellectual Property Rights'. Research & Postgraduate Department of Political Science, St. Thomas College, Palai, conducted one day awareness seminar on Intellectual Property Rights in India: Socio-Legal Issues with the financial support of Ministry of Human Resource Development, Government of India on 4th August, 2006. The prime objective of the programme was to enlighten teachers, students, law enforcement personnel, advocates, NGO's and others who are directly and indirectly involved on the above theme.

2. It is proposed to form a 'Quality Study Circle' consisting of faculty members and Research Scholars of the Department. The main objective of the Study Circle is to form an 'Open discussion forum,' through which socially relevant issues can be discussed. Every month members will present a paper each from their own respective areas.

An innovative programme is devised by the department in association with Political Science Association, 'Quality Study Circle' consisting of faculty members and Research Scholars of the Department. Dr. N. C. Jacob is the coordinator of the Quality Study Circle. The main objective of the Quality Study Circle is to form an 'open discussion forum,' through which socially relevant issues can be discussed. Every month members will present a theme paper from their own respective areas. This will be documented and continuously published in our website. In this open discussion forum the public can also share their opinion. The activities of the Study Circle are given below:

The Quality Study Circle was formally inaugurated by Dr. Cyriac Thomas, former Vice Chancellor, MG University on July 12th 2006 and spoke on the topic 'Maintenance of Quality in Higher Studies and Social Life'. Rev. Dr. Mathew John, Principal presided over the meeting. Prof. Danty Joseph, Dr. Tharsis Joseph and Prof. K.K. John spoke on the occasion.

1. August 21st 2006

Dissertations were presented by Ligitmol Joseph on "Adivasi Development and Politics in Kerala- Muthanga A Case Study" and Litty Rose Sebastian on "Political Socialisation of Marginalised Groups- Vathukudy Panchayat A Case Study".

2. September 22nd 2006

Dr. Asha V, Department of Political Science, NSS Hindu College, Changanacherry presented a paper on 'Research Methodology in Political Science'.

3. October 6th 2006

Dr. N. C. Jacob, coordinator of the Quality Study Circle presented a paper on 'Environment Issues in Kerala and Human Rights'.

4. November 7th 2006

Dr. K. Jayaprasad, Reader in Political Science, S. N. College, Kollam, presented a paper on 'Kerala Model of Development'.

5. December 5th 2006

Dr. Shajimon K Mathews presented a paper on 'Human Rights in India'.

3. To encourage the teachers to apply for research projects:

The proposal for a minor research project submitted by Dr. Stany Thomas to the UGC was sanctioned and UGC has awarded Rs. 94,000/- to work on the topic 'Social Mobility and Self

Reliance of Rural Women in Kerala: Empowerment of Women through Self Integrated Groups- A Case Study’.

4. To impart training in election survey:

The department could achieve collaborative programme with Hindu-CNN-IBN and deputed students from Postgraduate Classes for the Prepoll and Post poll survey conducted under the auspices of Centre for the Study of Developing Societies (CSDS) during March April 2006. They were given extensive training at the University of Kerala by experts from CSDS on the topic 'Psephology', how to prepare a questionnaire for the election and about the data collection. They were sent to different constituencies and exposed to the factors influencing the electoral system and the out come of the election. Each student received an amount of Rs.5000/- and a certificate as a token for their valuable service

5. To encourage the teachers and students to use computer and internet.

Many of the teachers and most of the students have got ample expertise in using computers and internet. The department has got computer and round the clock broadband internet facility. The department could generate a growing interest among the students and teachers to use internet, e-journals, intranet facilities, chemistry related computer softwares etc.

6. To arrange endowment programmes for the students and teachers:

Cherian J Kappan Endowment Lecture was conducted on 27th November 2006. It was jointly organized by the Department of Political Science and Kappan Foundation. The meeting was presided over by Shri. K. M. Mani MLA and the inauguration of Kappan foundation for research and sustainable development was done by Hon'ble Speaker of the Kerala Legislative Assembly Shri. K. Radhakrishnan. The leader of the Opposition & former Chief Minister Shri. Oommen Chandy delivered the key note address. Shri. P. C. Thomas MP, Rev. Dr. Mathew John Kokkatt the Principal, Prof. N. M Joseph former minister & Chairman of Kappan Foundation, Prof. Danty Joseph Head of the Department and Dr. Shaji Kadamala spoke on the occasion.

Prof. N.C Mathewkutty Endowment Lecture was inaugurated by Dr. Jose Antony, Kanattu (USA) on 8th February at 2 PM in the Mecherikunnel Hall. Sri KM Chummar, the veteran leader of the Congress and prominent alumni delivered the endowment lecture. Rev. Dr. Mathew John Kokkatt, Prof. Danty Joseph and Prof. Mathew Sebastian spoke on the occasion.

An endowment lecture in honor of Prof. M. T. Tharian, former professor and head was held on March 2007. The endowment lecture was delivered by Dr. K.K Jose, Director Students Services, MG University on the topic 'New Dimensions of Kerala Model Development'.

COMMERCE

1. To organize at least three invited lectures by eminent speakers from the industry as well as by renowned academicians utilizing the endowment funds instituted in the department

The first Prof. Philip John endowment lecture on "Democracy and Leadership: The Indian context" was delivered by Dr. Cyriac Thomas on seventh February 2007. A seminar on Career opportunities in the capital market and financial sector" was organized on February 8th 2007. Mr. Regi Jacob (M.D, JRG securities Ltd was the key speaker. Ms. Anne Watkins (formerly of the Oxford University) from Wales delivered a lecture on higher education in Briton on November 6th 2006. A seminar on management education in India was held on December 5th 2006. Prof. Tommy Cherian an international trainer of the Jaycees International was the main resource person.

2. To strengthen the Career Guidance and placement activities in the department.

The Department has strengthened its career guidance and placement cell with the Directorship of Dr. K.V. Thomas who is a qualified career counselor. The cell organized a number of programmes for the students to improve their communication skills through group

- dynamics and practicals. Mock interviews and G.D. training sessions were lead by Shri. George Karanackal, a renowned HR consultant. During the year JRG Securities Ltd. Conducted campus recruitment drive on February ninth 2007 six students were finally selected as executive trainees. During the year Prof. Philip John Memorial Foundation arranged a campus selection for the ICFAI University and three students were finally selected as Faculty at ICFAI.
3. To conduct one national seminar
The Department in association with JRG Securities Ltd. Organised a one day seminar on "Indian Capital Market" on February sixth 2007. A one day seminar on commodity derivatives was conducted for the students of the Commerce Department.
 4. To prepare a question bank with the participation of the faculty and the students
During the year the Faculty and the students of the department have jointly prepared a question bank for the various subjects.
 5. To organize an all Kerala inter-collegiate meet of the commerce students.
"Commerce Noctum" ,a cultural program of commerce students was held on December seventh 2006.

ENGLISH

1. The Dept. proposed to update the language laboratory incorporating state-of-the –art audio video technique.
We have, with the help of the college, established a full fledged language lab with a seating capacity of 30. It has all the modern amenities required for a language lab.
2. We planned to have multimedia facilities for use in the class rooms.
With the help of LCD projectors, laptop computers, DVD players and TVs, our students are given a really up-to-date mode of learning experience. Teaching efficacy has been considerably enhanced through these.
3. Encouraging Net use among students.
Students are encouraged to hunt for material required for seminars and dissertations through the internet. They are given training to access Websites and e-journals
4. We planned to provide consultancy service to students, teachers and public.
Though not yet formally inaugurated, the Dept has been offering linguistic and literary consultancy for many years. It has been augmented now.
5. Students' welfare schemes were mooted.
Students being the beneficiaries of whatever the dept. does, their interests have to be guarded. "Awakening" programmes for UG and PG were conducted. Their grievances are immediately redressed, and their academic and overall progress is well monitored.

MALAYALAM

1. To submit a major research project to UGC for the study of the publication from the Meenachil Taluk.
2. To encourage the teachers to apply for major and minor research projects and bring funds to department.
3. To encourage the teachers and students to use computer.
4. To start a literary journal under the guidance and leadership of the department.

HINDI

1. Encourage teachers to apply for minor and major research projects and bring funds to the Department.
A minor research project under the supervision of Dr. C.K. James in the progress.
2. To encourage the teachers and students to use Computer, Internet and Multimedia facilities.
The Department tried to impart expertise in using computers and internet to students and teachers.

Part B:

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

MATHEMATICS

The department has taken the initiative to produce a documentary video film of 30 minutes duration named, ADJACENT FUZZY TOPOLOGIES - THE UNTRODDEN PATH, covering the major research activities of the Department.

Offered free Tution to poor school students of Mutholy colony by students of Mathematics Department

STATISTICS

The Department aims at imparting quality education of international standards with proper training, research and development, consultancy and applications of statistics.

PHYSICS

The Research and Postgraduate Department of Physics has initiated and organized various academic programmes and co-curricular activities during 2006-2007. The students are encouraged to seek opportunities which will bring wide exposure and training etc., like KVPY fellowships. One undergraduate student, Mr. Ananthu James has already been selected for KVPY fellowship.

CHEMISTRY

To achieve the goal of creating a centre of excellence through the formation of young people empowered to create a bright future for themselves and for the society and to fulfill the objectives of St. Thomas College, Pala, the Research and Postgraduate Department of Chemistry has initiated and organized various academic programmes and co-curricular activities during 2006-2007. One of the major initiatives was the submission of a proposal worth Rs. 2.27 crores to the Department of Science and Technology (DST), Ministry of Science and Technology, Govt. of India, under the FIST scheme for the infrastructure development of the Department. A major research project (worth Rs. 8.69 lakhs) was sanctioned to Dr. Sunny Kuriakose and the project started functioning in December 2006. This project is funded by DST, Govt. of India. Another major research project (Rs. 6.13 lakhs) funded by UGC is in progress (PI : Dr. Sunny Kuriakose) and two minor research projects sponsored by UGC (PI: Dr. G.D. Gem Mathew and Sri. Jogy Alex) were completed during 2006-2007. We have conducted one state level seminar on November 10, 2006 and the chief resource person was Dr. Benny K.George, Scientist, VSSC (ISRO), Thiruvananthapuram. The Department has hosted a state level workshop organized by FCBS (RRL, TVM) on April 13, 2007. We started to provide consultancy service to Riotech Industries, a major industry that produce Autopaste and Putty. The department has taken the initiative to produce a documentary video film of 30 minutes duration named CHEMSEARCH: MACRO TO NANO, covering the major research and academic activities of the Department.

BIOTECHNOLOGY

The overall performance of the Department has been excellent. With the coordinated effort of all the staff, the Department could get 2 Ranks in Biotechnology in the University examinations, one student has cleared the UGC CSIR-NET examination and 2 students have cleared the MG University entrance examination for registration of Ph.D programme. 9 students of the present academic year also have been placed in positions like Clinical Research Associate.

BOTANY

- a) *Staff meetings* : The department conducts staff meeting to discuss various matters, usually current issues in Plant Science. Analysis of the result of the students has done to study their progress. Special staff meetings were held for discussing urgent issues. Staff meetings were conducted at the beginning and end of each semester for the assessment of syllabi coverage etc.

- b) *Interaction with the students:* The Head of the department and the tutor of each class interact with the students regularly. During the interaction time the students are asked to share their opinions, suggestions and complaints to their teachers. The problems or suggestions of noteworthy coming out of the interactions will be discussed in the next departmental staff meeting.
- c) *Interaction with the parents:* The tutor and the parents will discuss the progress and problems in learning or extracurricular activities of the students.

Weekly hour for interaction: Though the teachers are available in the department throughout the working hours a specific time was assigned to every teachers of the department. The teachers are available in the department for interaction with the students during this time. The time schedule of each teacher is published in the notice board.

ZOOLOGY

The conduct of certificate course in Apiary and workshop on vermi composting could impart a scientific approach in Agriculture for sustainable development among students of other discipline. This is very significant in view of the college located in a rural area with agriculture background.

- (a) The celebration of biologically important dates of observations is helpful in inculcating a scientific approach to students of all discipline.
- (b) Participation in save Meenachil river programme is helpful in imparting environmental awareness among students.

Carrier guidance seminar helped the plus two students to get awareness on higher studies in biological sciences.

ECONOMICS

In accordance with the aims and objectives of St. Thomas college Pala, the post graduate department of economics has organized many academic and co-curricular programmes ensuring overall development of students in 2006-07. We have organized a seminar on Tax Reforms and paper presentation by the students, under the auspices of the P.J. Thomas Centre for Social Science Research. The Seminar was inaugurated by Dr. M. Naganathan, Hon'ble Vice Chairman, Planning Commission, TamilNadu. With a view to create an awareness in our students about the career avenues in economics, we have conducted an invited talk on 'Career Opportunities for Economics Students' Ms. Rosemary K. Abraham, Lecturer in Economics, Assumption College, Changanacherry, and I rank holder in the IES examination conducted by the UPSC was the Chief Resource person. The proposal of post graduate development grant submitted by the department was selected by U.G.C. and sanctioned Rs.173400, for the purchase of computer and L.C.D. projector and also new library books and journals. Two minor research projects (P.I: Sri. Joy George and Sri. Biju K.C) of the department were completed during this academic year. The department also imparts value education to students through effective counseling. To create social awareness among students, discussions on relevant topics are conducted in the classes.

POLITICS

1. The academic department of Political Science, established in 1955. The department was raised as a postgraduate teaching department in 1959 and was declared a Research centre in 1986.

All the teaching, research and extension activities of the department are carried out, bearing in mind the objectives and goals of the institution. The following programmes were successfully implemented in 2005-2006.

- i. 'Your Platform' provided an opportunity to postgraduate students to present their dissertation/projects before an audience.
- ii. Cherian J Kappan Endowment Lecture was conducted on 27th November 2006. It was jointly organized by the Department of Political Science and Kappan Foundation. The meeting was presided over by Shri. K. M. Mani MLA and the inauguration of Kappan foundation for research and sustainable development was done by Hon'ble Speaker of the Kerala Legislative

- Assembly Shri. K. Radhakrishnan. The leader of the Opposition & former Chief Minister Shri. Oommen Chandy delivered the key note address.
- iii. Prof. N.C Mathewkutty Endowment Lecture was inaugurated by Dr. Jose Antony, Kanattu (USA) on 8th February at 2 PM in the Mecherikunnel Hall. Sri K.M Chummar, the veteran leader of the Congress and prominent alumni delivered the endowment lecture.
 - iv. An endowment lecture in honor of Prof. M. T. Tharian, former professor and head was held on March 2007. The endowment lecture was delivered by Dr. K.K Jose, Director Students Services, MG University on the topic 'New Dimensions of Kerala Model Development'.
 - v. Collaborative programme with Hindu-CNN-IBN poll conducted by Centre for the Study of Developing Societies (CSDS).
 - vi. Ministry of Human Resource Development, Govt. of India, has sanctioned an amount of One lakh rupees for organizing an awareness seminar for teachers, NGO's, Police Officials, Customs Officials on 'Intellectual Property Rights'. Research & Postgraduate Department of Political Science, St. Thomas College, Palai, conducted one day awareness seminar on Intellectual Property Rights in India: Socio-Legal Issues with the financial support of Ministry of Human Resource Development, Government of India on 4th August, 2006.
 - vii. Under the auspices of 'Quality Study Circle'- an 'open discussion forum, conducted six programmes for the postgraduate students, research scholars, teachers and public.

COMMERCE

The various activities of the department during the year were aimed at providing high quality education in Commerce and Management.

PHYSICAL EDUCATION

To achieve the goal of creating a center of excellence through the formation of young people empowered to create a bright future for themselves and for the society and to fulfill the objectives of St. Thomas College, Pala, the Physical Education department has initiated and organized many activities during the year 2006-07. UGC has sanctioned an amount of rupees 51,300 for the conduct of PARA GLIDING PROGRAMME under the Adventure Activities during the X plan period to be conducted for the college students. Last year the department in association with the Kerala Sports Council, Sports Authority of India and concerned federations, had conducted coaching camp in Athletics, Volleyball, Wrestling, Judo, Kabaddi, Table Tennis, Cross Country, Swimming, Weightlifting, Powerlifting, Waterpolo, Chess and Yoga for the college students. We also conducted the Swimming classes for the beginners in which around seventy-five students learned the basics of the life saving skill. Apart from that Swimming classes were also conducted for the School children and children of the College Staff during the Onam Vacation. The department also took initiative in conducting the M.G. University Inter Collegiate Swimming and Water Polo, Kanjirapally and Pala Educational district School Swimming and Wrestling Championship. The Coaching Camp for the M.G. University Volleyball and Swimming teams were also organized by the department. Apart from that the annual sporting carnival, Bishop Vayalil All Kerala Inter collegiate Volleyball (men & women) tournaments were conducted with much fanfare.

ENGLISH

The Dept. follows the declared aim of the college, to create a centre of excellence through the formation of young people empowered to create a bright future for themselves and for the society. With this objective, the dept. has always striven to enrich its wards with knowledge and values. Our orientation programmes at the beginning of the year are conducted with this aim in mind. We conduct training programmes of UGC-NET and SET. Our students are encouraged to select dissertation topics from areas beyond the scope of the syllabus. Teachers are actively engaged in the pursuit of knowledge through research.

MALAYALAM

To achieve the goal of creating a centre of excellence through the formation of young people empowered to create a bright future for themselves the Research and Postgraduate

Department of Malayalam has initiated and organized various academic programmes and co-curricular activities during 2006.2007. A major research project (worth Rs. 4.65 lakhs) was sanctioned to Dr. P.J. Sebastian and the project functioning smoothly.

HINDI

The Department has initiated and organized various academic programmes and co-curricular activities during 2006-2007.

2. New academic programmes initiated (UG and PG):

STATISTICS

M.Sc. Biostatistics under U.G.C. innovative program started in August 2005. The Department is already conducting 3 certificate programs.

PHYSICS

We have given special training to interested PG and UG students in special areas like *Computer-assisted electronics*. It is being planned to launch a similar programme *Scientific Computing*.

CHEMISTRY

We have submitted application for a new P.G. programme, namely M.Sc Nanochemistry and Nanotechnology, under the Innovative stream of the University Grants Commission.

POLITICS

- (a) The department has submitted a proposal to the UGC for conducting Postgraduate Diploma Course in 'Human Rights Education and Duties'.
- (b) The Department conducts regular NET/SET coaching classes for the Postgraduate students.
- (c) Talented and intelligent students are spotted out and opportunities are given to nurture their talents.

COMMERCE

The curriculum for the two year Diploma course "Computerised Financial Accounting" was thoroughly revised during the year.

ENGLISH

Being an affiliated college, we have little freedom in initiating programmes. Still we have started an English Speaking Corner to improve fluency among students, and as part of AELT they do various projects on how to learn and teach English.

HINDI

UGC Sponsored Add-on course in Hindi Translation and DTP is going on in the Department.

3. Innovations in curricular design and transaction:

MATHEMATICS

Two of our faculty members (Sri. J. Chandramohan and Dr. Sunil C. Mathew) have attended the Syllabus Restructuring Workshop conducted by M. G. University.

STATISTICS

The syllabus approved by U.G.C. and M.G. University Board of Studies for M.Sc. Biostatistics was designed by the faculty in the Department after interacting with many international experts like Dr. A.M. Mathai, Dr. Thomas Mathew, Dr. C. Suchindran, Dr. Aleyamma Mathew, Dr. K.V. Palanichamy, Dr. A.P. Gore etc. Also Dr. K.K. Jose and Sri. K.M. Kurian are chairmen of PG and UG Board of Studies at M.G. University.

PHYSICS

A new curriculum and syllabus for UG and PG were developed with a specialization in *Microelectronics* at PG level and it has been submitted to the Curriculum-development committee at University. The specialization has been approved.

CHEMISTRY

Syllabi and curricula for a new postgraduate programme named, M.Sc. Nanochemistry and Nanotechnology were designed exclusively by the faculty members of our department. The syllabi and curricula of this P.G. programme were approved by the Commission constituted by the Mahatma Gandhi University. Prof. A.C. Joseph was the Chairman of the UG board of studies. Prof. T.M. Jose and Prof. George Francis are currently serving as the Chairman of the P.G. examination boards.

BIOTECHNOLOGY

A model proposal for modification of existing curricular design has been submitted to the Mahatma Gandhi University for pursuit

ZOOLOGY

Apart from classroom learning, students were provided exposure to the subject by imparting the following facility.

- b) Local study tour programme to well known. Poultry farm agriculture farms, and Meenachil river
- c) Students are encouraged to bring and exhibit photographs, excerpts of biological relevance in the Department Notice board.

Quiz programme is conducted on a regular basis for Degree students. The toppers are sent to participate the State Level Quiz conducted by Zoological Society of Kerala.

POLITICS

The revised syllabi and curricula for the undergraduate course was approved by the university. Dr. N.C Jacob & Dr. Shajimon K Mathews represented the department as experts for the syllabus revision.

COMMERCE

The Head of the Department, Dr Tharsis Joseph as member of the P.G. Board of Studies of the Mahatma Gandhi University has made significant contributions for the upgradation of the M.Com curriculum.

ENGLISH

Our teachers are members of the UG and PG boards of the University. Last year's change in curriculum at the UG level had the participation of Prof. K.A. Alexander. Dr. Thomas Augustine, HOD, supervises the design of curriculum at the PG level.

HINDI

Two Teachers from the Department are members of the P.G. Board of studies and Chairman UG Board of studies respectively.

4. Inter-disciplinary programmes started:

STATISTICS

The newly started M.Sc. Biostatistics course is interdisciplinary in nature and there are many papers like Epidemiology, Demography, Statistical Genetics, Clinical Trials, Bioinformatics, and Statistical Ecology etc, which are interdisciplinary topics. In addition we are offering diploma programs in LaTeX typesetting, Computer Applications and Data Analysis using Statistical Softwares, etc.

PHYSICS

The department proposes to cooperate in the interdisciplinary programme of Nanoscience being envisaged by the Chemistry Department in teaching few courses.

CHEMISTRY

The Department has given support to start interdisciplinary collaborations in the areas of teaching and research. The phytochemistry research going on in this department has benefited a lot by collaborative interaction with the Research Department of Botany and the Department of Zoology of this college. We have also research collaborations with the Department of Oceanography and Marine Sciences, Cochin University of Science and Technology for research related to environmental problems. The proposed M.Sc Nanochemistry and Technology is an interdisciplinary programmes.

BIOTECHNOLOGY

A Certificate programme in Bioinformatics is already available to the students of Applied Microbiology and Biotechnology.

ZOOLOGY

Conducted certificate course in Apiculture for Non biology students.

POLITICS

Ministry of Human Resource Development, Government of India, New Delhi, has sanctioned one lakh rupees for conducting an awareness programme in 'Intellectual Property Rights', which covers the disciplines of Politics, Law, Economics, Commerce, Botany, Zoology etc. The main objective of the programme is to create awareness among the teachers, NGO's, Lawyers, Police Officials and Students.

COMMERCE

The department conducts a two- year Diploma course "Computerised Financial Accounting" which is offered as an Add-on course to the students. The course imparts theoretical as well as practical training to students in various computerised accounting packages. It also helps to improve the students' communication skills.

ENGLISH

We always take care to implement programmes in collaboration with the other language departments. Dr. C.T. Francis of Sanskrit gave expert lectures on Indian Aesthetics.

MALAYALAM

The Department has given support to start inter disciplinary collaborations in the areas of teaching and research. The department conducted a seminar on translational theories in association with the research and Post Graduate department of Hindi and English.

5. Examination reforms implemented:

MATHEMATICS

No major examination reforms have been implemented during 2006-2007.

However, seminars, assignments, etc, have been strengthened among the students

STATISTICS

Many new techniques are being used. Objective type questions in par with U.G.C.-C.S.I.R. Tests are prepared and model tests conducted. Quiz Programs are also conducted to measure general awareness in the subject.

PHYSICS

No major examination reforms have been implemented during 2006-2007. However, seminars, assignments, production and use of video films, etc, have strengthened and publicized among the students. The students were encouraged to participate in the on-line evaluations also.

CHEMISTRY

No major examination reforms have been implemented during 2006-2007. However, seminars, assignments, production and use of video films, etc, have strengthened and publicized among the students. The students were encouraged to participate in the on-line evaluations also.

BIOTECHNOLOGY

Examinations are conducted by the University and the department has no flexibility in this regards. However, the Departmental internal assessment programme has been modified to include objective type test papers in line with the UGC CSIR entrance examination and DBT, ICMR competitive examination. Work Presentation seminars are compulsory for final year students who do their project work

ZOOLOGY

Weekly, test papers are conducted. The answer scripts are valued by the students under strict supervision and guidance of the teacher. This enabled the students to fine-tune their capacity to face examinations.

ECONOMICS

No major examination reforms have been implemented during 2006-2007. However, seminars, assignments were regularly conducted in all the classes to test the academic progress and awareness of current economic issues of the students. Students were encouraged to approach the teachers to clarify any doubts regarding any topic.

POLITICS

Being an affiliated college, the mode of exam is determined by the university. Besides, considering the performance in class-tests, discussions and spot tests does the internal evaluation.

COMMERCE

During the year no major examination reforms have been implemented. However, some of the reforms implemented during the previous years have been found to be successful and hence the Department continues to follow such practices. They include:

- a) Snap tests to ensure the regularity of the students' academic work
- b) Open Book Examinations to encourage originality and creativity
- c) Multiple set Question Papers

ENGLISH

Unit tests have been made a regular feature. Speaking skills have been assessed for allotting marks.

MALAYALAM

No major examination reforms have been conducted during 2006-2007.

HINDI

No major examination reform have been implemented during 2006-2007. However Seminars, Quiz programmes, assignments, group discussions, debates, Audio visual programmes have been introduced among the students.

6. Candidates qualified: NET/SLET/GATE etc.

MATHEMATICS

A total of 9 students have qualified in the UGC-CSIR JRF/NET examinations from this Department. During 2006-2007, one student was qualified for UGC-CSIR /NET.

STATISTICS

UGC-JRF-2 (Cyriac George, Simi Thomas), ISS-1 (Vibeesh E.S.)

PHYSICS

A total of 5 students have qualified in the UGC-CSIR JRF/NET and GATE examinations from this Department.

CHEMISTRY

A total of 51 students have qualified in the UGC-CSIR JRF/NET examinations from this department. During 2006-2007 alone, 4 students have qualified for UGC-CSIR JRF/NET. In addition, 3 students have got high percentile score in GATE examination.

BIOTECHNOLOGY

01 student has qualified the UGC-CSIR NET Examination. 01 student has had a good GATE Score.

ECONOMICS

Four students of the previous postgraduate batch (Thomas Mathew, Josiah John, Xavier Kurien and Arunkumar T. S) have qualified for the NET.

POLITICS

A total of 19 students have qualified in the UGC-CSIR JRF/NET examinations from this Department. During 2006-2007 alone, 2 students were qualified for UGC-CSIR JRF/NET

COMMERCE

During the year the following students have qualified the NET of the UGC.

- i. Deepa Mathew
- ii. Anish Thomas
- iii. Gladwin Thomas
- iv. Anoop J. Alackapally

ENGLISH

3 students qualified NET last year. 18 students of the 2004 – 06 batch qualified the SET.

MALAYALAM:

A total of 26 students have qualified the UGC-NET examinations from the Department.

7. Initiative towards faculty development programme :

PHYSICS

Teachers have attended various refresher/orientation programmes. Mr. Michael Augustine has completed his PH.D. programme through an FIP scheme during this year. Dr. Vincent Mathew has participated a conference at ICTP, Italy on quantum phenomena in confined dimensions.

CHEMISTRY

Dr. G.D. Gem Mathew attended the Workshop for College Chemistry Teachers organised by Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore and Foundation for Capacity Building in Science (FCBS), Trivandrum at Trivandrum during 27-29 November 2006.

BIOTECHNOLOGY

The yearly performance of teachers is evaluated by the students and teachers are given the report for pursuit and improvement. Research work is promoted among teaching faculty to make them keep aware about latest development. Teachers are encouraged to register for Ph.D programme and are also given opportunity to attend seminars.

ENGLISH

One teacher on FIP was substituted by a guest lecturer. Now a project fellow is appointed and a Major Research Project of the UGC is under way.

HINDI

All the members of the Teaching Staff were given computer and DTP Training in Hindi.

8. Total number of seminars/workshops conducted:

MATHEMATICS

During 2006-07, Seminar – 1

STATISTICS

11 state level, 2 National and 1 International

CHEMISTRY

2006-2007: Seminars: 1 Workshop: 1

ECONOMICS

2006-2007: Seminars: 1

POLITICS

2006-2007: Seminars: 5

COMMERCE

Seminars: 7

ENGLISH

The Dept. has been conducting national level seminars regularly. But last year we could not conduct seminars or workshops.

MALAYALAM

Seminar 1 : 2006-2007

HINDI

Seminar: 1

9. Research projects

MATHEMATICS

(a) Newly implemented:

One minor research project worth Rs. 60,000/-, funded by UGC is in progress.

(b) Completed: Two minor research projects, funded by UGC (worth Rs. 40,000 and Rs. 65,000)

STATISTICS

a) Newly implemented : 2 UGC minor projects

b) Completed: 1 UGC minor projects

PHYSICS

(c) Newly implemented:

One major research project worth Rs. 3,79,500, funded by KSCSTE, Govt. of Kerala.
Two minor projects worth Rs. 80,000 each has been funded by UGC.

(d) Completed:

One major research project, funded by KSCSTE (worth Rs. 2,75,000) has been completed.
Another minor project of UGC has also been completed.

CHEMISTRY

(a) Newly implemented:

One major research project worth Rs. 8.69 lakhs, funded by DST, Govt. of India.
(Principal Investigator: Dr. Sunny Kuriakose). One major research project worth Rs. 6.3 lakhs funded by UGC is in progress.(Principal Investigator: Dr. Sunny Kuriakose).

- (b) Completed:
Two minor research projects, funded by UGC (worth Rs. 40,000 and Rs. 50,000)
(Principal Investigator: Dr. G.D> Gem Mathew and Sri. Jogy Alex)

BOTANY

a) Newly implemented : Three

1. Principal Investigator : Dr. Jomy Augustine
Title of the project : Ethnomedicinal Studies on Tribes and Local Traditional Health Practitioners of Kottayam and Idukki Districts, Kerala. 2006-09
Total Amount : 9,41,000
Period : 2006-2009
Funding Agency : DST Science and Society), Govt. of India
2. Principal Investigator : Dr. Jomy Augustine
Title of the project : Vegetation analysis of the grasslands and surrounding forests in Vagamon hill: A growing tourism centre, Kerala (2007-09)
Total Amount : 65,000
Period : 2006-2009
Funding Agency : DST Science and Society), Govt. of India
3. Res. Coordinator : Dr. Jomy Augustine (HOD of Botany)
Funding agency : KSCSTE (Govt. of Kerala)
Total amount : Rs. 13.1 lakhs

b) Completed : Three

ZOOLOGY

a) Newly implemented : Nil

b) Completed:

Completed the project entitled a “Studies on certain antimicrobial principles from plants”.

Principal Investigator : Dr. P.J. Benny
Funding Agency : STED. Govt. of Kerala
Amount : Rs. 78,000/-

ECONOMICS

(a) Newly implemented: Nil

(b) Completed:

Two minor research projects, funded by UGC (worth Rs. 20,000 each) were completed

POLITICS

a) Newly implemented:

One minor research project, funded by UGC (worth Rs. 94,000/-)

COMMERCE

The Department has two ongoing UGC funded Minor Projects.

1. Dr. Tharsis Joseph – ‘SWOT Analysis of Women Entrepreneurs in Kerala – a case study of Kottayam District – Rs. 70,000
2. Dr. V.V. Georgekutty – ‘Entrepreneurial Awareness of students in Arts and Science Colleges in Kerala – Rs. 75,000.

ENGLISH

2 Minor Research Projects by Dr. T.J. Abraham (Rs. 40000) and Dr. Joy Jacob (Rs. 30000) and one Major Research Project by Dr. Siby James (Rs. 4, 88,400) are in progress.

HINDI

(a) Newly Implemented : Nil

(b) Two major research projects, funded by UGC (worth Rs. 80,000) were completed.

10. Patents generated, if any: NIL

11. New collaborative research programmes:

STATISTICS

2 (One DST project worth Rs.2.05 crores at CMS Pala campus under IRHPA programme and another worth Rs.10 lakhs on DST SERC School on Stochastic Processes, Time Series Modeling and Wavelets in collaboration with CMS Pala campus.

PHYSICS

We have the following collaborative research programmes:

- (a) Dr. Vincent Mathew with University of Pecs, Hungary through INSA exchange program.
- (b) Ison VV with IIT Delhi and NSC, Delhi.

CHEMISTRY

We have started a new research programme (on a consultancy basis) in collaboration with Riotech Industries, Valavoor (a growing Autopaste Industry with an annual turnover of Rs. 5 Crores) for the development of new components used for making paints and adhesives.

POLITICS

A collaborative programme in association with Hindu-CNN-IBN pre-poll and post-poll survey is conducted under the auspices of Centre for the Study of Developing Societies (CSDS). The department deputed ten students from the postgraduate classes and the experts from CSDS, on the topic psephology, gave them how to prepare a questionnaire for the election and about data collection. They were sent to different constituencies and exposed to the factors influencing the electoral system and the outcome of the election. Each student received an amount of Rs.5000/- and a certificate as a token for their valuable service.

ENGLISH

The Major Project “Deconstructing Rasa” by Dr. Siby James has Dr. C.T. Francis of Sanskrit as Co-Investigator.

12. Research grants received from various agencies:

MATHEMATICS

UGC : Rs. 1,65,000 (minor research projects)

STATISTICS

UGC-JRF (Lishamol Tomy) Rs.1.25 lakhs, UGC minor projects Rs.1.70 lakhs, UGC Innovative Programme Rs.3.10 lakhs.

PHYSICS

KSCSTE: 3,79,500 (Major project)

UGC : Rs. 160,000 (2 minor research projects)

CHEMISTRY

DST : Rs. 8.69 lakhs (major research project) : PI : Dr. Sunny Kuriakose

UGC : Rs. 6.13 lakhs (major research project) : PI : Dr. Sunny Kuriakose

UGC : Rs. 90,000/- (minor research project) : Dr. G.D. Gem Mathew & Sri. Jogy Alex

BOTANY

1. Rs. 4,00,000 – DST, Research project of Dr. Jomy Augustine
2. Rs. 35,000 – UGC Minor Res. Project of Dr. Jomy Augustine
3. Rs. 40,000 – UGC, Research project of Dr. Augusthy P.O.
4. Rs. 15,000 – UGC Research project of Sri Toji Thomas.
Rs. 8,800,00 – KSCSTE Research project of Dr. Jomy Augustine

ECONOMICS

U.G.C Minor research project grant Rs.40000/ and one faculty member under FIP of UGC for Ph.D

POLITICS

UGC : Rs. 94,000 (minor research projects)

ENGLISH

UGC's PG assistance of Rs. 2, 00000/- was received.

MALAYALAM

UGC : Rs. 40000/- (minor research project)

P.G. Grant UGC : Rs. 38,000/-

HINDI

UGC : Rs. 40000/- (minor research project)

P.G. Grant UGC : Rs. 38,000/-

13. Details of research scholars:

MATHEMATICS

The following are the full-time/part time research scholars of the department during 2006-2007

1. Jyothy Thomas
2. Mathews M. George
3. V. K. Jose
4. J. P. Thavamony
5. Lovelymol Sebastian
6. V.D. Sebastian

STATISTICS

At present 15 research scholars are doing research under the guidance of our faculty members. 3 research scholars* have submitted their thesis for adjudication.

Sl. No.	Name	Full time/ Part time	Area of Research	Supervisor
1	K.M. Kurian	Full time	Statistical Process Control	Sebastian George
2	James Kurian	Full time	Statistical Inference	Sebastian George
3	Joseph O.C.*	Full time	Design of Experiments	Alex Thannippara
4	J. Sreekumar*	Full time	Micro array Modeling	K.K. Jose
5	Seemon Thomas*	Full time	Distribution Theory	Alex Thannippara
6	Jayamol K.V.	Full time	Reliability Modelling	K.K. Jose
7	Uma P.	Full time	Distribution Theory	K.K. Jose
8	Shanoja S. Naik	Full time	Stochastic Modeling	K.K. Jose
9	Sreejith V.	Part time	Design of Experiments	Alex Thannippara
10	Dais George	Part time	Data Mining	Sebastian George
11	Krishna E.	Part time	Order Statistics	K.K. Jose
12	Jane Luke	Part time	Quality Control	K.K. Jose
13	Bindu Abraham	Part time	Queuing Theory	K.K. Jose
14	Lishamol Tomy	Full time	Distribution Theory	K.K. Jose

15	B. Rameshan Nair	Part time	Design of Experiments	K.K. Jose
16	Ancy Joseph	Part time	Stochastic Modeling	K.K. Jose
17	Minnu Mathew	Part time	Quality Control	Sebastian George
18	Aleyamma Mathew	Part time	Biostatistics	K.K. Jose

Ph.D. Theses submitted by 3 research scholars

The following research scholars submitted their Ph.D. Theses during this year.

1. J.Sreekumar under K.K. Jose (Bioinformatics Modelling)
2. Seemon Thomas under Alex Thannippara (Distribution Theory)
3. O.C.Joseph under Alex Thannippara (Design of Experiments)

PHYSICS

3 students have registered during 2007-2008, and one student has completed and submitted thesis. Another 2 students are through the process of applying for registration.

CHEMISTRY

	<u>Supervising Teacher</u>
1. Smt. Lucy Mathew P.	Dr. Sunny Kuriakose
2. Sri. Bejoy Mathew	-
3. Sri. Jogy Alex	Dr. Sunny Kuriakose
4. Smt. Sherly Annie Paul	Dr. G.D. Gem Mathew
5. Smt. Aneyamma Varughese	Dr. Sunny Kuriakose
6. Sri. Thomas V. Mathew	Dr. Sunny Kuriakose
7. Sri. Shaiju Augustine	Dr. Sunny Kuriakose
8. Smt. Cincy George	Dr. Sunny Kuriakose
9. Sarala Gopalakrishnan	Dr. P.J.Benny
10. Shibumon George	Dr. P.J.Benny

BIOTECHNOLOGY

02 research scholars are presently undergoing their Ph.D work in the Department:

- a. Mrs. Jenny Jose: Dual inhibition of LOX & COX: Screening, Isolation and Purification of lead compounds from plants
- b. Mrs. Bindu. P. Nair: Isolation and Characterization of Actinomycetes for use as Biocontrol agents against fungal plant pathogens

BOTANY

There are Six research scholars working for their Ph.D. in the department. They are:

	Guide	Topic
1. Sr. Leelamma Sebastian	Rev. Dr. Mathew M.M.	
2. Sri. Biji Joseph	Rev. Dr. Mathew M.M.	<i>Ontogenic Studies of Black Pepper</i>
3. Mrs. Anice Thomas	Dr. P.O. Augusthy	
4. Sri Salvy Thomas	Dr. Stephan Joseph	
5. Miss Smitha S. Nair	Dr. Jomy Augustine	
6. Sri Mathew M. Kuriakose	Dr. Jomy Augustine	

ZOOLOGY

Research scholar: Sarala Gopalakrishnan Guide, Dr. P.J. Benny
Topic: "Anti microbial principles from plat".

POLITICS

Name of the Scholar	Topic	Guide
1. T. J Simon	“Electoral Politics and Catholic Presence Presence in Kerala”	Dr.Cyriac Thomas
2. Roy Varghese	“Secularism and the Politics of Religious Minorities in Kerala With Special Reference to Christian Community”	Dr.Cyriac Thomas
3. S.D Sthensan Nair	“Planning Process in Kerala: The Changing Dimensons of Decentralisation A socio Political analysis”	Dr.Cyriac Thomas
4. Bindu Kurian	“Pressure Politics and Higher Education Politics in Kerala”	Dr. V.V Varghese
5. Tomy Joseph	“The Political Empowerment of the Dalits In Kerala: A Study on the Role of Dalit Movement in Kottayam District”	Dr. M. M. Mathew
6. Muhammed Rassey	“Empowerment and Development: A Study Of Women Panchayat Representatives in Kottayam District”	Dr. M. M. Mathew
7. Babu Antony	“State Response Towards Human Rights Violations Among Adivasis in Wayanad District”	Dr. M. M. Mathew
8. Joykutty T	“Politics and Development: A Study of the LDF Government”	Dr. M. M. Mathew
9. Shaji John	“Kerala’s Developmental Challenges: The Case of Reshaping the Civil Service”	Dr. M. M. Mathew
10. M.M Mathai	“Grass Root Democracy in Kerala: A Case Study of Grama Sabhas in Wayanad District”	Dr. M. M. Mathew
11. Rony K Baby	“Land Politics and Tribal Questions in Kerala: A Study of Idukki District”	Dr. M. M. Mathew
12. Shiji George	“Towards Protecting the Dignity of Women: The Role of Kerala Vanitha Commission”	Dr. P. M. Thomas
13. Bijukumar VA	“Fisher Women: A Study of Kudamb-ashree Project in Alappuzha District”	Dr. P. M. Thomas

COMMERCE

The Department has five scholars pursuing Doctoral Research under the guidance of three supervising teachers.

ENGLISH

Students are actively engaged in research leading to Ph.D. at the moment.

MALAYALAM

7 Research Scholars are doing research work in the Research Department of Malayalam. Number of guiding teachers is three.

HINDI

No. of Research Guides	- 8
No. of Research Scholars	- 14
Ph.D's awarded	- 2
Submitted	- 1

14. Citation index of faculty members and impact factor:

MATHEMATICS

Average impact factor :

STATISTICS

Average 1.9

PHYSICS

Average impact factor : 1.2

CHEMISTRY

Average impact factor : 2.0

15. Honors/Awards to the faculty:

MATHEMATICS

Nil

STATISTICS

National level Best College Teacher Award of AIACHE to Dr. K.K. Jose and Lishamol Tomy, research scholar, won Jan Tinbergen Award for young researchers of International Statistical Institute and Kerala Statistical Association.

PHYSICS

1. Dr. Vincent Mathew has been selected for Inter-Academy exchange programme of INSA.
2. Dr. Vincent Mathew has been awarded ICTP fellowship to attend a conference at Trieste, Italy during June 2007.
3. Mr. Ananthu James, II BSc student of the physics department has been awarded the prestigious KVPY fellowship.

CHEMISTRY

Dr. Sunny Kuriakose was selected as an Invited Teacher by Indian National Science Academy, Bangalore, to the annual meeting of the academy.

POLITICS

Dr. Shajimon K Mathews: Awarded Doctoral Degree on the topic, "**Human Rights in India: With Special Reference to the Role of the Kerala State Human Rights Commission,**" in 2006 from Mahatma Gandhi University, Kottayam under the guidance of Dr. Nirmala Devi and Dr. D Sukumari Antherjanam.

COMMERCE

Dr. Tharis Joseph is Vice President of the All Kerala Commerce Association. He is also the General Secretary of the All Kerala Research Guides Forum. Dr. V.V. Georgekutty was elected to the Senate of the Mahatma Gandhi University.

PHYSICAL EDUCATION

Mr. Ashish Joseph was appointed as the Manager of the M.G. University Volleyball Men Team that participated in the AIU competition held at Kurushetra University.

HINDI

One Teacher Dr. V.V. Georgekutty awarded Sahithya Sree Award by Bharathiya Sahithya Parishad.

16. Internal resources generated:

STATISTICS

Consultancy -Rs.35000/-
Seminars/conferences –Rs.25000/-

PHYSICS

A sum of Rs. 4,39,500/- has been generated through sponsored research projects by the faculty members of the department during 2006-2007.

CHEMISTRY

A sum of Rs. 15.89 lakhs were generated from research grants. Rs. 1,00,000/- was obtained from SIET, Govt. of Kerala for producing educational video programmes. Rs. 30,000/- was generated from consultancy services. A sum of Rs. -----/- was obtained from donations and sponsorships and Rs. ----/- was obtained for conducting Resource Generation camp and workshop by ----- (RRL, TVM).

BIOTECHNOLOGY

The Courses are Self financing. A total of Rs/- was generated from these self-financing courses during 2006-2007.

ZOOLOGY

1. Nearly One tone of vermicompost worth Rs.5000/- was produced using biodegradable solid waste in the campus using the vermicompost unit. This was used for various crops in the campus.
2. A net profit of around Rs.300 obtained from the Apiary unit maintained by the department for training purpose.

POLITICS

A voluntary contribution from faculty members has been collected for the day-to-day business of the department and also provides financial assistance to the needy students.

PHYSICAL EDUCATION

A sum of Rs.were generated from the PTA to make avail the best available facility for training and for the boarding and lodging expenses of the selected students

ENGLISH

was generated from research grants; through donations from students towards English Association fee.

17. Details of departments getting SAP, COSIST(ASSIST)/DST. FIST, etc.

STATISTICS

The Department is getting DST-FIST grant (Rs.27.5 lakhs) and UGC Innovative Programme support (Rs.33.5 lakhs)

CHEMISTRY

DST FIST : Submitted a proposal worth Rs. 2.27 crores under the DST FIST scheme for the infrastructure development of the Department.

ZOOLOGY

Apiary Unit and vermicompost unit of the department were started under the COSIP programme.

18. Community services:

MATHEMATICS

The teachers and students of the department have actively participated in the clean Kerala Campaign organized by the Govt. of Kerala. We extended our services to students of Mutholy Colony in developing their aptitude in Mathematics by engaging classes on Saturdays.

STATISTICS

Campus cleaning, Biostat Exhibition on communicable diseases

PHYSICS

We have organized solar energy popularization programme, and distribution of solar lamps to public, in collaboration with various agencies.

CHEMISTRY

The teachers and students of the department have actively participated in the “clean Kerala Campaign” organized by the Govt. of Kerala. We have also organized various seminars, workshops etc. for the prevention of plastic pollution and to make the public aware of the need of solid waste management.

BIOTECHNOLOGY

The department in collaboration with the NSS unit of the College conducted the following Camps

- Blood group testing and Medical awareness Camp at Mutholy Gram Panchayat in February 2007 and another camp at Parumala Panchayat
- The Department also organized a training programme for women in association with Kudumbasree Unit in Mushroom cultivation

The Department is involved in providing assistance to Municipal authorities’ details regarding the levels of microbial contamination of Meenachil river water.

BOTANY

a) ARTICLES IN POPULAR MAGAZINES AND PERIODICALS

Dr. Jomy Augustine has written a popular article in Karshakan, an Agricultural monthly, September, 2005. In this article called “High Ranginte Paristhithi Thakidam Mariyumbol” a warning of the probable danger to the farmers who use excessive pesticides to the cardamom is given

b) RADIO TALKS

1. Dr. Jomy Augustine has given a radio-talk on ‘Sasyangal - Pracheenathayude vilipperukal’ on 20-7-2006 at AIR, Thiruvananthapuram
2. Dr. Jomy has given a radio-talk on 21-3-2007 on Tribal remedies at Thiruvananthapuram AIR

ZOOLOGY

- a) In order to generate enthusiasm among students and public on Life Science Studies, the department installed a stall of Zoology in the science exhibition along with the inter school. Science festival of Higher secondary school, at St. Joseph’s H.S.S. Choondachery from 10-11-05 to 13-11-05.
- b) Actively participated in the AIDS awareness programme of the college.

POLITICS

Our faculty members are very much involved in the community services both inside and outside the campus.

Dr. Shajimon K Mathews

Resource person:

- a. A Seminar jointly sponsored by Erattupeta Block Panchayat and ICDS project on the topic Prevention of Child Labour and Child Abuse 10th December 2006.

- b. National Seminar held at Govt. College Nattakom on the topic Human Rights and Judiciary.

Dr. Stany Thomas

- a. Executive committee member and Hon. Treasurer, Total Response to Alcohol and Drug Abuse (TRADA) - an organization Sponsored by Ministry of Social Justice, New Delhi, which works in the field of temperance movement and it, is recognized by the UNESCO.
- b. Co-cordinator, Dr. Kurian Mattom Foundation for Alternative Education Programme. Foundation has adopted a village at Mutholy and various developmental programmes are being initiated under the banner STAEP- St.Thomas College for Alternative Education programme.
- c. Member, National Service Scheme, M.G. University level Advisory Committee.

COMMERCE

The Faculty and the students of the Department actively participated in the “Clean Kerala Campaign”, with the support of the Municipal Staff the drainages in the locality were cleaned on 30.10.2006. The students collected used clothes and supplied it to the mentally ill innovates of ‘ Mariasadanam’ in Palai.

PHYSICAL EDUCATION

We organized Swimming Classes for the Children of the nearby locality and the children of the college staff. Apart from that training in Volleyball and Athletics were imparted to the local students. The teachers and students of the department have actively participated in the clean Kerala. Campaign organized by the Govt. of Kerala

ENGLISH

Under the leadership of Prof. Franci Mathew, the students cleaned the campus. Our students and teachers visit ‘Maria Sadan’, a home for the mentally challenged people and donate food and clothes.

MALAYALAM

The teachers and students of the department have actively participated in various programmes organized by the Local Municipal authorities in connection with the clean Kerala campaign. Most of our teachers giving lectures in various workshops, seminars, Parent Teacher Association meeting etc

19. Teachers and officers newly recruited:

STATISTICS

2 (Dr. Preethi Sara George (UGC Sponsored) and Beteena Kurian (Management Sponsored) as lecturers for M.Sc. Biostatistics)

COMMERCE

Steps have been initiated for the recruitment of teachers in the vacant posts. In the meanwhile the following teachers have joined the Faculty as Guest lectures on adhoc basis.

- 1. Dr. Sreedhar P.Nair
- 2. Ms. Deepa Mathew

ENGLISH

One teacher re-joined the dept. after FIP. One scholar was appointed as Project Fellow.

20. Teaching – Non-teaching staff ratio:

MATHEMATICS

8: 0

STATISTICS

8:1

PHYSICS

2:1

CHEMISTRY

2.5:1

BIOTECHNOLOGY

4: 1

BOTANY

7:2

ZOOLOGY

3:1

COMMERCE

Administrative staff services are provided from the common pool of the college. The Department has no separate post of Non teaching staff.

PHYSICAL EDUCATION

2:1

HINDI

6:1

21. Improvements in the library services:

MATHEMATICS

Separate sections for P.G and U.G students were started in the newly constructed library. Literature searching and book lending services are fully computerized and automated. Computerized bar coding system was introduced in the library. Reprographic facilities and internet searching facilities are made available in the library.

STATISTICS

Books worth Rs.1.05 lakhs, Broad band Internet facility

PHYSICS

New volumes have been added to the library.

CHEMISTRY

Separate sections for P.G and U.G students were started in the newly constructed library. Literature searching and book lending services are fully computerized and automated. The departments and library are connected by internet. 4000 e-journals are made available in the study centre free of cost with complete access to students, researchers and teachers. Computerized bar coding system was introduced in the library. Reprographic facilities and internet search facilities are made available in the library.

BIOTECHNOLOGY

An amount of Rs 25,000 is spent every Semester for purchase of latest textbooks and practical manuals. In addition e-books available online are downloaded and used for preparation of study material and for practical instructions.

POLITICS

The duration for which the library is open for the students and staff has been extended.

Periodicals

Alive, Down to Earth, Kerala Calling, Kurushethra, Indian Currents, New India Insight, News Week, Seminar, Secular Citizen, University News, AIU News, U.N, Woman's Era

Journals

Human Rights Global Focus, Journal of Indian Economic and Social History, Indian Journal of Political Science, Rural India, South Asia Economic Journal, Yojana

The M.G. University Study Centre functioning in the College Campus offers a rich variety of more than 6000 latest high prized books in almost all subjects. The Electronic Library called **INFLIBNET**, which stocks around 4000 e-journals, is freely accessible.

The number of e-journals available on different subjects is: -

Philosophy & Politics-124

Humanities-25

Politics-153

Law-61

Sociology-134

COMMERCE

The fully computerized and automated Library services and the new Library Timings are found to be very user friendly.

ENGLISH

Numerous new books are purchased with amount sanctioned by the UGC under PG assistance. Besides the Dept, every year adds to its own collection of books with the funds collected the students.

MALAYALAM

We have a good library, working so efficiently, under the supervision of the Department of Malayalam. Dr. Davis Xavier is the person in charge. Bar coding system was introduced in the library.

HINDI

The Department has no separate library. Now there are 12000 books in Hindi. Besides this the university study centre provides facilities to use the Books in Hindi.

22. New books/journals subscribed and their value:

MATHEMATICS

Annals of Mathematics , \$ 68.00

American Mathematical Society, \$250.00

STATISTICS

Books- 60, Journals-6 with a total cost of Rs.1.30 lakhs

PHYSICS

New Books :

Journals :

CHEMISTRY

New Books :

Journals :

BIOTECHNOLOGY

New Books Purchased: 30

Value: NIL

POLITICS

More than twenty five books have been purchased with a total cost of Rs.20000/-.

COMMERCE

New Books :

Journals :

ENGLISH

New Books :

Journals :

HINDI

New Books : 310

Journals : 13

Newspaper (Hindi) - 1

23. Courses in which student assessment of teachers is introduced and the action taken on student feedback:

MATHEMATICS

The student assessment of teachers was introduced in the P.G. Classes. The II and IV semester M.Sc students are asked to fill up the assessment forms and hand it over to the Head of the Departments. This will be handed over to the teachers concerned and asked they will be asked to rectify the defects and improve the quality of teaching accordingly. The P.G. students are encouraged to use the facility of on-line assessment of teachers and the results will be handed over to the teachers concerned to effect the quality assurance process.

STATISTICS

All PG programmes, Teachers were advised and sent to refresher courses.

PHYSICS

The student assessment of teachers was introduced in the P.G. Classes. The II and IV semester M.Sc students are asked to fill up the assessment forms and hand it over to the Head of the Departments. This will hand over to the teachers concerned and asked them to rectify the defects and improve the quality of teaching accordingly. The P.G. students are encouraged to use the facility of on-line assessment of teachers and the results will be handed over to the teachers concerned to effect the quality assurance process.

CHEMISTRY

The student assessment of teachers was introduced in the P.G. Classes. The II and IV semester M.Sc students were asked to fill up the assessment forms and hand it over to the Head of the Department. These were handed over to the teachers concerned and were asked to rectify the defects and improve the quality of teaching accordingly. The P.G. students are encouraged to use the facility of on-line assessment of teachers and the results will be handed over to the teachers concerned to effect the quality assurance process.

BIOTECHNOLOGY

The Department has a very efficient mechanism of teacher evaluation by students. A detailed questionnaire regarding the methods of teaching is provided to the students who make a clear and honest analysis of the teachers' performance.

BOTANY

MSc Botany and BSc. Botany. A detailed Performa was designed on this regard and is distributed among the students. Discussion of the students feed back in the departmental meeting was done and necessary steps on their comments are implemented.

POLITICS

Student's feed back is collected and appropriate action is taken.

The P.G. students are encouraged to use the facility of on-line assessment of teachers and the results will be handed over to the teachers concerned to effect the quality assurance process.

COMMERCE

Students assessment of teachers has been introduced both at the P.G. and U.G. levels. Feedbacks for this individual corrections. Besides, the feedbacks collected by the Principal are given to the respective teachers for corrective actions.

ENGLISH

Students are given assessment forms to evaluate their teachers. Apart from this, evaluation is taking place though informal feedbacks. Every correction required is discussed in the dept. meetings and implemented immediately.

MALAYALAM

The student assessment if teachers was introduced in the PG classes, The II and IV semester MA students are asked to fill up the assessment forms and hand it over to the Head of the Departments.

HINDI

The student assessment of teachers was introduced in the IVth semester and Ist semester P.G. classes. The students are asked to fill up the assessment forms and hand it over to the Head of the Department. This will be handed over to the teachers concerned and asked them to rectory the defects and improve the quality of teaching.

24. Unit cost of education:

STATISTICS

Rs.20300/- per year

BIOTECHNOLOGY

Being a self financing course the students are charged a Semester fee of Rs 31,500/- as fixed by the University.

25. Computerization of administration and the process of admissions and examination results, issue of certificates:

The administrative wing of the college is centralized and the processes of general administration, admissions, examination results, issue of certificates etc are partly computerized and automated. New student –friendly counters were opened during 2006-2007 to help the students in their administrative needs.

26. Increase in the infrastructural facilities:

MATHEMATICS

A separate room was allotted to the Dept of Mathematics

STATISTICS

Cooling water, water purifier, AC in lab

PHYSICS

Both UG and PG laboratories were modified. The UG laboratory has been relocated to close proximity of department. A new research laboratory for theoretical physics has been created.

CHEMISTRY

Postgraduate laboratories were renovated. Work tables were modified with glass tops to prevent corrosion and rusting. Separate cubicle-type cabins were provided to Head of the Department, research guides and research consultants.

BIOTECHNOLOGY

The establishment of Animal Cell culture laboratory was an important event in the development of facilities in the department. It was also possible to procure advanced instrumentation like the Thermocycler, CO₂ incubator, Inverted and Phase contrast microscopes which has made possible the conduct of Practicals at an advanced level.

BOTANY

1. A separate computer room has been built with two computers
2. A separate instrumentation room was built for keeping sensitive instruments.
3. A separate Ethnobiology lab has been built
4. A separate herbarium has been built

POLITICS

The department has got computer and round the clock broadband internet facility

COMMERCE

Postgraduate classes have been refurnished and renovated. The staff room has been provided with cabin for the Head of the Department. Toilet facilities have been improved.

ENGLISH

A new language lab was established. Plenty of new C D s were purchased to enrich our video library. A new cabin was set up for the HOD.

HINDI

P.G. Classes were renovated. Separate cabins were provided to Head of the Department, Research Guides and Research Scholars.

27. Technology upgradation:

STATISTICS

5 computers and 1 LCD repaired and upgraded

PHYSICS

The department is connected with the library by intra networking. 24 hours broad band facility is made available in the department, New equipments were procured in the research laboratory to facilitate the research work of the research scholars.

CHEMISTRY

The department is connected with the library by intra networking. 24 hours broad band facility is made available in the department, New equipments were procured in the research laboratory to facilitate the research work of the research scholars.

BIOTECHNOLOGY

The introduction of a Certificate Course in Bioinformatics made it necessary to improve the technology related section. While a separate center for Bioinformatics is being planned, it was possible with the collaboration from Department of Biostatistics to use bioinformatics software for advancing the students knowledge in the area of Bioinformatics.

POLITICS

The department is connected with the library by intra networking. 24 hours broad band facility is made available in the department.

Computer and internet access and training to teachers and students:

Broad band internet facility is made available in the department. All the students and interested teachers are provided with computer training in the computer centre. Students and teachers are taking advantage of these facilities.

COMMERCE

Computer assisted teaching aids are in use in the department.

ENGLISH

Sophisticated equipment were procured for the language lab. E journals have been accessed.

28. Computer and internet access and training to teachers and students:

MATHEMATICS

All the students and interested teachers are provided with computer training in the computer centre. Students and teachers are taking advantage of this facility

STATISTICS

Given to all students using modern softwares etc. A workshop on SAS Programming was organized on 3 February 2006. Sri. J. Sreekumar, Scientist, CTCRI, Trivandrum was the resource person.

PHYSICS

Broad band internet facility is made available in the department. All the students and interested teachers are provided with computer training in the computer centre. Students and teachers are taking advantage of these facilities.

CHEMISTRY

Broadband internet facility is made available in the department. All the students and interested teachers are provided with computer training in the computer centre. Students and teachers are taking advantage of these facilities.

BIOTECHNOLOGY

The department has enough computer facilities with internet connectivity which is used by the teachers to update their knowledge. In addition the Computer Center, University study center and the College Library is used by both staff and students.

BOTANY

The department has a computer room with three computers. Full access to these computers for students is given free.

COMMERCE

The Department has net connected computer in the staff room. Besides students and the faculty can access the Internet at the computer centre on in the Library. Computer training is provided to students in the computer lab as part of the Add-on course offered by the Department.

PHYSICAL EDUCATION

All the students and interested teachers are provided with computer training in the computer centre. Students and teachers are taking advantage of these facilities.

ENGLISH

All teachers have undergone training in the use of new computer programmes. PG students are given training as part of their curricular work.

HINDI

All the P.G. students and interested teachers are provided with computer training in the computer center. Students and teachers are taking advantage of these facilities.

29. Financial aid to students:

MATHEMATICS

The department has instituted K. A. Jose Endowment to the M.Sc, I sem. topper of every year.

STATISTICS

Rs.200/- as Scholarship, fee concession to 10 students

PHYSICS

The department has instituted A.V.Varkey cash award for the achievements in 1st year MSc examination.

CHEMISTRY

The department has instituted Joy Alex Memorial Scholarship to the M.Sc topper of every year. This includes a citation and cash prize. The department is also giving awards to the JRF-NET qualifiers every year.

BIOTECHNOLOGY

The P.T.A sponsored merit scholarship is made available to the students. The College also helps students obtain bank loans for their financial help.

BOTANY

Even though there is no common arrangement at the department level the poor students are helped by the teachers as and when the financial help is needed.

ZOOLOGY

- a) Text books are provided to the weaker student
- b) Provide financial help to the poor students in clearing their dues and arrears before final exam.
- c) Partial funding to poor students in the study tour programmes.

POLITICS

A Sum of **Rs.5000/-** has been set a part by the department as financial assistance to the poor and needy students.

Awards and scholarships

1. Bishop Vayalil Scholarship – Top Scorer in MA Politics Examination
2. Fr. Joseph Kinattukara cash award – Student who gets highest marks in B.A. Politics Examination
3. Dr. Cyriac Thomas Endowment Scholarship- Top Scorer in Final BA Politics
4. Vayalikalappura Endowment Scholarship- Top Scorer in Final MA Politics

Department organizes three endowment lectures

1. Prof. M.T. Tharian Endowment Lecture.
2. Rao Bahadur Dr. R.M. Mathew Endowment Lecture
3. Prof. N. C. Mathewkutty Endowment Lecture

COMMERCE

During the year an amount of Rs. has been disbursed to students as scholarships includingDalit students.

PHYSICAL EDUCATION

Financial aid is provide to the needy & deserving students who excel in sports. apart from that Late Prof. Jose Kokkad memorial endowment instituted by the Sports Alumni of the college is awarded to the best sports person of the college every year.

ENGLISH

With the help of the college, the dept. provides poor students with text books. They are given free meals also. Some teachers help students personally also.

MALAYALAM

The department has instituted Prof. R.S. Varmaji scholarships to the BA topper of every year.

HINDI

The department has instituted Gyan Devi Puraskar to the M.A. topper of every year.

30. **Activities and support from the Alumni Association:**

MATHEMATICS

The department has started an alumni association. 1979-81 Graduate Batch of Mathematics Dept. has donated Rs. 50,000/- to the college for Air-conditioning of their old classroom which is the Tisserant Hall now in connection with their silver jubilee get-together.

STATISTICS

Career opportunities, Campus Interviews etc. are provided by our alumni. The alumni also sponsored the Prof. K. Ramakrishna Pillai trophy Inter Collegiate Quiz Competition in Statistics for under graduate students.

CHEMISTRY

The department has a very active alumni association. The association members meet once or twice in a year and various activities like family get-togethers, group discussions etc are conducted regularly. The association has instituted an "Outstanding Alumni Award" and the first award was given to Prof. K.L. Sebastian, Professor, I.I.Sc Bangalore (the recipient of the coveted Santhi Swaroop Bhatnagar Award).

BOTANY

REPORT OF THE BOTANY ALUMNI ASSOCIATION 2005-2006

1. *Botany alumni day celebrations 2006-2007:* Botany alumni Association celebrated the alumni day on 1st October 2006 at New Library Hall. The programme was arranged in two sessions. The first session consisted of an inauguration meeting followed by a lecture on "Prospects of Biological resources in Kerala" by Dr. N. Sasidharan, Scientist, Kerala Forest Research Institute, Peechi, Thrissur.

Report of the 9th general body meeting: The 9th general body meeting of the botany Alumni association was held at 12 Noon in Msgr. Kureethadam hall. Shri. M.N. Gopinath, presided over the function. Sri. Toji Thomas welcomed the gathering, Shri. M.N. Gopinath delivered the presidential address he mentioned about the need for active involvement of the association in organising one or two seminars. He proposed to conduct a seminar on Rubber especially RRII 414. Toji Thomas secretary of the association presented the annual report and was approved unanimously. Dr. P.O. Augusthy proposed vote of thanks and the meeting concluded by 1 pm.

ZOOLOGY

Alumni provide information and guidance for Higher Education and employment opportunities to Zoology students.

POLITICS

The department has a very active alumni association. The association members meet once or twice in a year and various activities like family gathering.

COMMERCE

The Commerce Alumni is very active and it supports the various activities of the Department. During the year Prof. Philip John Memorial Foundation with a paid up corpus fund of Rs. 100000 was formally inaugurated. The inaugural lecture of the Foundation was delivered by Dr. Cyriac

Thoms, former Vice-Chancellor of the Mahatma Gandhi University. The Alumni also initiated, Prof. Hihn Zacharais endowment with a paid up organized of Rs. 50,000. The Alumni organized a family get together on 26.12.2006.

PHYSICAL EDUCATION

The department has a very active Sports alumni association. It has got in its ranks more than 40 International Athletes holding dignified posts actively involving in the Alumni association. The Sports Alumni make it a point to visit the college during the Bishop Vayalil All Kerala Inter collegiate Voleyball Tournament.

ENGLISH

The Alumni Association has been very supportive. Dr. Mathew Joseph Endowment All Kerala Inter collegiate Literary Quiz is conducted with their support.

MALAYALAM

The Department has a very active Alumni Association. The association members meet once or twice in a year and various activities like batch-wise get-together, group discussions etc. are conducting regularly.

HINDI

The Alumni Association Hindi Parivar is very active in the Department, The association members meet once or twice in an year.

31. Activities and support from the Parent-Teacher Association:

MATHEMATICS

The Parent-Teacher Association shows keen interest in the academic activities of the department. The class-wise PTA is also made functioning in the department. They meet once or twice in a year and individual attention is given to each student by the interaction of the tutor and the parents.

STATISTICS

College level

PHYSICS

The Parent-Teacher Association shows keen interest in the academic activities of the department.

CHEMISTRY

The Parent-Teacher Association shows keen interest in the academic activities of the department. The class-wise PTA is also functioning in the department. They meet once or twice in a year and individual attention is given to each student by the interaction of the tutor and the parents.

POLITICS

Parent Teachers Association, University and Government provide adequate encouragement in the form of Scholarships, financial assistance, free boarding and loading etc.

COMMERCE

The Parent-Teacher Association is very active in the college. The Department regularly organizes class wise Parent-Teacher –meetings which serve as an excellent forums for personal interaction of the parent with teachers.

PHYSICAL EDUCATION

The Parent-Teacher Association shows keen interest in the Sports activities of the College. The encouragement provided by the PTA has been a real moral booster for the Athletes. The Boarding expenses of some of the selected Athletes are taken care of by the PTA.

ENGLISH

The English Dept. has a very active interaction the parents. They are constantly invited to the dept. and they give valuable suggestions for the conduct of our activities.

HINDI

The class-wise PTA is made functioning in the Department. They meet one in an year and individual attendance is given to each students by the ?? of the tutor, other teachers and the parents.

32. Health services:

The college provides centralized health services to all teachers and students/ A health centre and doctors-on-call services are provided. The college maintains a tie-up with the nearby hospital, Marian Medical Centre. The common medical facilities are available to students also.

33. Performance in sports activities:

MATHEMATICS

Apart from the hectic academic schedule, the students of our department are actively participating in the sports activities of the college. Sri. Thmaskutty C. Tom of III DC Maths has brought many prizes in swimming competitions.

CHEMISTRY

Apart from the hectic academic schedule, the students of our department are actively participating in the sports activities of the college and they have brought many laurels in wrestling and power lifting in the university and state level competitions.

POLITICS

Many of the outstanding sports students of the college are the students of the department and they bring laurels to the college, University and to the state.

PHYSICAL EDUCATION

The year 2006-07 was a fabulous one in the sport history of the college in terms of achievements at highest level and placement record.the details are given below:

A] Performance at International Level

1. Sajeesh Joseph – **Bronze Medal** in Asian Junior Athletic Championship held at Beijing,Represented India in the SAF games and World Junior Athletic championship 2006
2. Kannan S – Represented India In SAF games (coloumbo) nad Asian Junior Athletics held at Beijing 2006.
3. Bineesh L.L. - Represented India In SAF games (coloumbo) nad Asian Junior Athletics held at Beijing 2006.

B] Performance at 33rd National Games, Assam.

1. Ahamed Kabir – Gold Medal 4 X 100 relay
2. Sajeesh Joseph – Silver medal 800m

C] Performance at All India Inter University Competition

1. Bibin Baby – Gold Medal 4X400 Relay
2. Dhaneesh P – Volleyball Men IV.
3. Savad P.M. – Volleyball Men IV
4. Niju R K - Volleyball Men IV

D] Performance at M.G.university Inter Collegiate Competition

1. Power Lifting – Winner
2. Swimming - Winner
3. Water polo - Winner
4. Cross Country - Winner
5. Kabaddi - Runner Up
6. Athletics - Runner Up
7. Wrestling - Third

8. Volleyball - Third

A total of 28 students got selected to represent the M.G.University in the All India Inter University competitions.

34. Incentives to outstanding sportspersons:

At the department level, we are not giving any special incentive to sport persons. But the college has many such scholarships and awards, instituted by the PTA and the Alumni Association.

Late Prof. Jose Kokkad memorial endowment instituted by the Sports Alumni of the college is awarded to the best sports person of the college every year.

35. Student achievements and awards:

MATHEMATICS

Sri. Vishnu Vijay and Sri. Arunraj V. A. of III DC Maths have won many intercollegiate Quiz Competitions.

Sri. Vishnu Vijay and Sri. Ajith Joseph of III DC Maths were selected in the Campus recruitment conducted by TCS.

STATISTICS

Lishamol Tomy, our research scholar won **Jan Tinbergen Award** for young researchers of International Statistical Institute as well as Dr. R.N. Pillai young statistical award of the Kerala Statistical Association. Sri. Vibeesh E.S. was selected to the Indian Statistical Service. Nisha K.S. passed M.Sc. Statistics with 3rd rank at University level.

PHYSICS

Ms. Gishamol Mathew was won the *first rank* in MSc in 2004-2006 batch and has also been awarded NET-JRF(CSIR) and GATE.

CHEMISTRY

Mr. Suraj Soman of M.Sc (II semester) was honoured by the award of the Rajiv Gandhi Science Talent Research Fellowship 2006. Mr. John Prakash has won the III rank in the B.Sc (Chemistry) examination of the Mahatma Gandhi University, 2006.

BIOTECHNOLOGY

In the year 2006 the Department was able to get two (IInd and IIIrd) University Ranks for M.Sc biotechnology Meera George 78.7 % (University IInd Rank) Tessy Xavier 77.9% (University IIIrd rank). Tessy Xavier has also qualified for the UGC CSIR NET. Rince John has qualified the GATE.

1. Meenu Maria George, Ms. Anu Thomas: **A comparative study of growth pattern and tropane alkaloid production in callus cultures and hairy root cultures of *Datura metel*** (19th Kerala Science Congress to be held at Kannur from 29-31 January 2007)
2. **Surya Jose . G.R. Juna Beegum** In vitro susceptibility of viridans streptococci to leaf extracts of *Mangifera Indica* Indian Journal of Microbiology (June 2007) 47.

Students visit to other labs: One student Preena of final year Applied Microbiology was selected by Jawaharlal Nehru center for advanced studies to work in a laboratory for a period of two months.

BOTANY

1. Awards:

1. Miss Sujamol Abraham has been awarded the third prize in the All Kerala competition of MSc project presentation competition held by Kerala Botanical Society on 27-8-2004 at S.B. College, Changanacherry.

2. UGC-CSIR tests:

POLITICS

1. Litty Rose Sebastian I Rank MA Politics
2. Renimol M. R II Rank MA Politics
3. Sijo K Manuel III Rank MA Politics

PHYSICAL EDUCATION

Three students of the college represented India at various International Competition

1. Sajeesh Joseph – **Bronze Medal** in Asian Junior Athletic Championship held at Beijing, Represented India in the SAF games and World Junior Athletic championship 2006
2. Kannan S – Represented India In SAF games (Colombo) and Asian Junior Athletics held at Beijing 2006.
3. Bineesh L.L. - Represented India In SAF games (Colombo) and Asian Junior Athletics held at Beijing 2006.

Performance at 33rd National Games, Assam.

1. Ahamed Kabir – Gold Medal 4 X 100 relay
2. Sajeesh Joseph – Silver medal 800m

ENGLISH

Ms. Nimmy Rose Mathew scored the I Rank and Ms. Navitha Elizabeth Joseph III Rank in 2006 PG exams of the university. Ms. Roopa Jose, Ms. Alphonsa Theresa Mathew and Ms. Biyamol George of the same batch qualified the NET. 18 students of this batch passed the SET. Dr. Joy Jacob as class teacher, and all the teachers of the dept. worked together for the achievement.

MALAYALAM

Ms. Reeja of MA (IV Semester) was honoured by achieving the I Rank in the MA Degree examinations of the Mahatama Gandhi University, 2006.

36. Activities of the Guidance and Counselling unit:

MATHEMATICS

The teachers of the department take keen interest in the guiding, counselling and mentoring services. The students get personal attention from the teachers in their academic and curricular problems. They also get guidance to face national level examinations such as UGC-CSIR JRF/NET, GATE and state level examinations like SET, SLET etc.

STATISTICS

The Department has every active career guidance and counseling unit with two qualified career counselors.

PHYSICS

The teachers of the department take keen interest in the guiding, counseling and mentoring services. The students get personal attention from the teachers in their academic and curricular problems. They also get guidance to face national level examinations such as UGC-CSIR JRF/NET etc.

CHEMISTRY

The teachers of the department take keen interest in the guidance, counselling and mentoring services. The students get personal attention from the teachers in their academic and curricular

activities. They also get guidance to face national level examinations such as UGC-CSIR JRF/NET, GATE and state level examinations like SET, SLET etc.

BOTANY

Eight students from Final year degree course and 4 students from PG course have attended the counselling

POLITICS

The tutors provide proper guidance and counseling. The students who need more guidance and counseling are sent to the official counselor of the college.

COMMERCE

In the Department students get personal guidance and counseling of the tutors in charge of them. Besides this, Dr. V.V. Georgekutty and Sri. K.V John, two qualified counselors in the Department extend their services to the students who need special counseling. Counselling services are available at the college level also.

ENGLISH

Prof. Cherian Vadakkekunnel is trained career counselor. Hundred of students benefit from him. Prof. K.A. Alexander is a member of the college counseling team.

MALAYALAM

The teachers of the department take keen interest in the guiding, counseling and mentoring services. The students get personal attention from the teachers in their academic and curricular problems. They also get guidance to face national level examinations such as UGC-NET and state level examinations. The Head of the Department takes personal initiative to inculcate the great values of Indian tradition. ARSHABHARATHA SAMSKARA – in students by encouraging teachers- student interaction, and personal guidance and mentoring to the students by teachers.

HINDI

The students get personal attention from the teachers in their academic, curriculum and co-curricular activities.

37. Placement services provided to students:

MATHEMATICS

The students of our department have got placements in I T field. In addition, we helped the students for finding jobs and research career both in India and abroad.

STATISTICS

Four of our students got selected for DST-JRF for research at CMS. The placement cell of the Department conducts campus interviews by famous companies like Novartis International, TCS etc and large number of students are being selected for appointment. Last year 8 students got appointment in Novartis, 1 in TCS, 1 in Semler Research Centre, Bangalore etc

Campus Recruitment by Novartis

The Novartis International Company conducted a Campus Interview for Recruiting Statistical Analysts cum Executives on 25-26 July 2006. The team consisted of Dr. Anitha Sha, Dr. Nikita Agnihotri, Mr. Sangeeth Jayanthan and Miss. Divya Varkey Prem. They conducted a series of tests, presentations, case studies and group discussions including personal interview. 8 candidates were selected for appointment. Our students namely Nisha K.S., Rosemary Thomas, Pricil Kurian, Renjith R., Ashly P. Jose and Jan Rose were selected along with 2 candidates from Calicut University.

PHYSICS

Apart from the general placement service provided to students in the college, the faculty members give advise to students to get better opportunities in Physics, in both academics and career.

CHEMISTRY

The department has organized campus interviews and the students of our department have got placements in various industries and chemical laboratories. In addition, we helped the students to find jobs and research careers both in India and abroad. Six companies and industries came into the campus for conducting campus interviews during 2006-2007 and about 25 students have got placements in various industries.

BIOTECHNOLOGY

A collection of Biotechnology related industries and research institutions in India are made available to the students for their pursuit. Syllabus of Joint CSIR/UGC examination and study materials are available for the students for their use. Project formats of UGC, DST, and ICMR are made available to students on demand. Copies of Question papers related to conduct of Ph.D entrance examinations of M.G University are available for ready reference. The list of students who have been placed is attached below:

BOTANY

During the year 2006-2007 the department of botany has been able to arrange placements for two students at research. They are:

1. Merly K. Sam
2. Lathika A.K.

POLITICS

With the personal influence of the faculty members, many of our students received placements in reputed institutions as teachers, researchers, executives, administrative staff etc.

COMMERCE

The Department regularly organize campus placement programmes. During the year 7 students were selected by JRG securities Ltd., and 6 by Reliance Insurance Company from the campus. The Department also organized a campus recruitment drive by the ICFAS University and three students were selected as Faculty for the various ICFAS colleges. The Department also guided and supported the students for getting placements in other companies. Dr. K.V. Thomas, a trained career counselor co-ordinator coordinates the career/placement related activities of the Department.

PHYSICAL EDUCATION

Placement Record

A Total of 12 students on the basis of their meritorious performance in sports got placement in various Public sector enterprises:

ENGLISH

Students are given guidance to join the premier institutions in the country. Last year many students from III BA joined a Cell phone company. Most students prefer jobs in teaching or journalism.

38. Development programmes for non-teaching staff:

The development programmes for non-teaching staff were organized by the college. No department-level programmes were conducted during 2006-2007.

39. Healthy practices of the institution

MATHEMATICS

Multi-purpose identity cards were given to the students. Students were encouraged to use computer and internet. A 3 tier tutorial system was introduced. Students were encouraged to use the facility of on-line teacher assessment. A student-centered administrative system was introduced. Bridge courses were started and compulsory computer courses were introduced for the students. The tutorial system was strengthened. Research guides and students were encouraged to do research of global standard.

STATISTICS

The Department conducts regular seminars, invited talks, leadership training programmes, workshops on statistical computing and data analysis for the benefit of students. Faculty members are actively engaged in collaborative research with experts in India and abroad.

CHEMISTRY

Multi-purpose identity cards were issued to the students. Students were encouraged to use computer and internet. A 3-tier tutorial system was introduced. Students were encouraged to use the facility of on-line teacher assessment. A student-centered administrative system was introduced. Bridge courses were started and compulsory computer courses were introduced for the students. The tutorial system was strengthened. Research guides and students were encouraged to do research of global standards.

BIOTECHNOLOGY

Work distribution among faculty members to help speedy implementation has been introduced.

Evaluation of learning teaching process is strictly followed by implementation of internal assessments. Teacher evaluation by students is an important method adopted to generate considerable improvement in teaching process. This has helped in increasing the level of performance of the teachers.

As far as practicals are concerned utmost care is taken to see to it that the students get to have a complete knowledge of modern techniques to make them ready for pursuing a research career or further their academic growth.

Work hours in the Department are between 9.00 A.M and 6.30 P.M

Tutorial system is followed.

Research aptitude is inculcated in students by making the students participate in seminars and workshops. In fact 5 of our students have participated in Poster presentation competitions at Kerala Science Congress and in National symposia.

Participation of students in extra curricular activities, like blood grouping camps, water testing and cleaning programmes and conduct of Mushroom cultivation training programmes is encouraged.

POLITICS

The principle of decentralization is fully implemented in all the departmental activities and involvement of all the faculty members is ensured.

COMMERCE

The Peer teaching programme initiated by the Department was successfully continued during this year. Effective Communications For Human Resource Development (E.C.H.R.D) – a novel programme launched by the Department has substantially helped in improving the communication skill and general knowledge of the students.

ENGLISH

Extremely good interpersonal relations are maintained between the faculty and the students. Whenever there is a need, teachers even visit their homes. Teachers are very accessible. Learning and research are promoted

MALAYALAM

Multi-purpose identity cards were given to students. Students were encouraged to use computer, a 3 tier tutorial system was introduced. Students were encouraged to use the facility of on-line teacher assignment. A student-centered administrative system was introduced. Bridge courses were started and compulsory computer courses were introduced for the students. The tutorial system was strengthened. Research guides and students were encouraged to do research of global standard.

40. Linkages developed with National / International, academic / Research bodies

MATHEMATICS

Membership in American Mathematical Society and Mathematical Association of America.

STATISTICS

Initiated collaboration and linkages with RCC, MAHE, AIMS, CMS Pala etc. in addition to research collaboration with faculty at Maryland University, USA; McGill University Canada; University of Nis, Serbia; University of Florida USA; Saurashtra University, Gujarat etc.

PHYSICS

Dr. Vincent Mathew has visited University of Pecs, Hungary and ICTP, Italy during May, June and July through an exchange programme initiated by INSA. It is hoped that the collaboration with University of Pecs, Hungary would be further supported financially by INSA.

CHEMISTRY

The Department of Science and Technology, Govt. of India and the UGC funds the department by sanctioning major research projects. The department maintains research collaborations with Johannes-Gutenberg University, (Germany), Pusan National University (South Korea), IIT Chennai, RRL (CSIR) Thiruvananthapuram, Cochin University of Science and Technology, and School of Chemical Sciences, Mahatma Gandhi University.

BOTANY

The department of Botany has fresh and healthy contact with the following agencies and persons that are actively engaging in Biodiversity, ethnobotanical and ethnopharmacological studies:

1. Tropical Botanical Garden and Research Institute, Thiruvananthapuram.
2. Non Wood Forest Produce Division, Kerala Forest Research Institute, Kerala.
3. Department of Botany, University of Calicut, Kerala.
4. Rubber Research Institute of India, Kottayam, Kerala.
5. Forest Department, Kerala State
6. National Bureau of Plant Genetic Resources, Thrissur, Kerala.
7. National Biodiversity Strategy and Action Plan (NBSAP), New Delhi.
8. Rajeev Gandhi Centre for Biotechnology, Thiruvananthapuram
9. Thampan Mavida Medical Centre. Pala
10. Foundation for the Revitalisation of Local Health Traditions, Bangalore
11. Nagarjuna herbal concentrates, Thodupuzha, Kerala
12. Centre for Environmental management of degraded ecosystems, University of Delhi.
13. Periyar Foundation, Thekkady, Kerala

POLITICS

1. We have strong collaboration with Centre for the Study of Developing Societies (CSDS) through the Department of Politics, University of Kerala; Karyavattom. The faculty and students operates with activities of the CSDS.
2. In collaboration with Ministry of Human Resource Development (MHRD) New Delhi, an awareness programme will be initiated in 'Intellectual Property Rights' for the Public and officials.

ENGLISH

Many7 teachers are members of IACIS, Hyderabad, British Library Thiruvananthapuram etc.

HINDI

Linkage with central Hindi Directorate New-Delhi.

41. Any other relevant information the institution wishes to add:

The list of papers published in journals/papers presented in seminars and conferences and seminars/conferences attended by the faculty members are attached.

MATHEMATICS

We wish to increase the facilities provided to the research students and accommodate more students.

The department wishes to send at least one teacher to Refresher Courses bi-annually.

The PG students of the department are advised to attend at least one seminar conducted outside the campus every year.

STATISTICS

The faculty have published more than 15 research papers in Internationally reputed journals. The details are given below:

CHEMISTRY

Thanks to the efforts of Department of Chemistry, a centre for the National standard Examinations (the first level examination for the selection of students in the National Science Olympiad Programme) have been established at St. Thomas College, Pala (Centre No.KR 142) from 2006 onwards. Accordingly, more than 100 No. of top- students from various higher secondary schools took part in the Exam conducted in the subjects of Physics, Chemistry and Biology on 26 November 2006. Dr. G.D. Gem Mathew, Sr. Lecturer in the Department, was the Centre-in-charge of the Exams.

POLITICS

- I. Appu Joseph Jose, Alumni of the Department, recently selected to the Civil Service by the UPSC.
- II. The Department organizes three endowment lecturers:-
 1. Prof. M.T. Tharian Endowment Lecture.
 2. Rao Bahadur Dr. R.M. Mathew Endowment Lecture.
 3. Prof. N. C Mathewkutty Endowment Lecture.
- III. Shri. Udayan B., Lecturer, Department of Politics, NSS College, Changanacherry awarded Ph.D. under the supervision of Dr. V.V. Varghese.

COMMERCE

The Department has brought its chronicle "The Account". This publication highlights the major activities of the Department for the year.

ENGLISH

Our Quiz Team of Maria Joseph and Steve Vincent bagged many prestigious prizes.

HINDI

Own Research publication Sodh lohithy, since 1992.

GERMAN

An Anthology of Poems and Short Stories by renowned writers of Malayalam was translated into German in six workshops organized from 2004 to 2006 and published under the title: *Welche Farbe hat die Liebe?* (Which is the colour of love?) co-edited by Dr. Mathew John K. and published by D.C. Books, Kottayam.

Paper published by Dr. Mathew John K., "Umformung der Aufnahmenstruktur ..." in: *Akten des XI. Internationalen Kongresses*, Paris 2005, Bern. Peter Lang 2007

Part C

Detailed the plans of the institution for the next year.

The college is in the right path of progress and development. We are prepared to undertake new academic programmes to face the needs of the present and challenges of the future. For the next academic year, we chalked out a series of programmes to strengthen the curricular and research activities of the college..

1. To apply for the award of FIST grant of DST to the major Research and Post Graduate Departments and to initiate a major infrastructure development process.
2. To encourage and help the teachers to apply for major research projects to various agencies like DST, UGC, CSIR, DBT etc. to bring sizable funds to the department.
3. To encourage and help the teachers and students to achieve 100 percent computer literacy
4. To continue the free tuition programme for the poor students of nearby locality.
5. To continue the Science awareness Programme for the Plus Two students.
6. We plan to start an M.Phil. Course in Maths under UGC innovative programme.
7. Career Guidance and Placement Cell to be strengthened
8. Syllabus updating for M.Sc. Statistics and Biostatistics during 2007-'08.
9. An International Conference along with the annual conference the Society for Statistics and Computer Application in November 2007.
10. DST-SERC Schools in Stochastic Process Modelling, Design of Experiments and Quality Control, Exploratory Data Analysis and Statistical Computing.
11. DST sponsored programmes for undergraduate students will be initiated.
12. More seminars and invited talks in various disciplines.
13. More association activities and co-curricular activities.
14. Biostatistical Surveys and Data Analysis.
15. Student Projects supported by KSCSTE and other agencies.
16. Publication of a Journal of international standards.
17. Strengthening consultancy activities.
18. Alumni activities will be strengthened further.
19. Research Activities will be further enhanced. More collaborative works will be under taken.
20. To strengthen the community services by starting free consultancy on solar energy utilization.
21. To maintain the existing research collaboration with international and national laboratories and to establish new collaboration.

22. To take the necessary follow-up action for the award of FIST grant to the department and to initiate a major infrastructure development process.
23. To take every follow-up action for starting a new P.G. programme named M.Sc Nanochemistry of Chemistry under the Innovative stream of the University Grants Commission.
24. To undertake consultancy services by taking research projects of industries and to produce educational video programmes for Government educational agencies and other television channels.
25. To strengthen the community services by starting free consultancy on environmental related problems such as plastic pollution and solid waste management, water pollution and water management, soil testing, quality control of natural rubber and rubber related products.
26. To organise national/state level seminars and workshops for College Chemistry teachers and postgraduate students in collaboration with various national science academies and with financial assistance from DST, UGC, KSCSTE etc
27. Improving infrastructure facilities by procuring modern instruments for improving the levels of practical skill of the students
28. To conduct more interaction between Biotechnology industries and the Department
29. To develop a Bioinformatics laboratory within the Department so that the Teachers and Students are exposed to advances in this area of study. For this the existing Computer facilities and internet linkage needs to be enhanced
30. Purchase of Software for Bioinformatics
31. Starting HACCP programme for Applied Microbiology students
32. Plant Diversity survey, collection, identification of plant genetic resources and rearing of rare and threatened plants with special mention to potential medicinal plants; threat status assessment by field surveys
33. Identifying plant species with high carbon dioxide assimilating potential
34. Studies on the phytochemical parameters and analysis for the delimitations of Plant Taxa (Phytotaxonomy) including the finding of new plant borne chemicals
35. Study of the genetic diversity of selected groups especially medicinal and crop plants
36. *Ex-situ* conservation of rare and threatened endemic plants
37. In vivo Conservation of the gene pool of medicinal plants and wild relatives of crop plants
38. Exploration of soil micro flora and bacteria and assessment of soil and water quality
39. Audio-Visual documentation of Plant diversity including bacteria and soil microflora are the main categories
40. Purposes to celebrate important Biologically significant Dates like Earth Day, Hiroshima Day, Science Day, and AIDS Day etc.
41. Proposes to conduct 'awareness programme on clean Meenachil River'.
42. Proposes to conduct certificate course in Apiary Management this year also
43. It is proposed to form a 'Quality Study Circle' consisting of faculty members and Research Scholars of the Politics Department. The main objective of the Study Circle is to form an 'Open discussion forum,' through which socially relevant issues can be discussed.
44. It is decided to depute as many faculty members as possible to participate in the orientation, faculty improvement programmes, seminars, workshops etc.
45. Two day Seminar on 'Kerala 50', in connection with formation of Kerala state, as the state celebrates its Golden jubilee.
46. One-day seminar is proposed in collaboration with Kerala Institute for Local Development Authority (KILA) - for the Women Panchayat and Municipal members.

47. Ministry of Human Resource and Development (MHRD) - Govt. of India has sanctioned an awareness programme on IPR. A follow up programme "Three day workshop" will be organized for teachers who participated in the awareness programme.
48. The Politics Department is planning to have a tie up with Palai Municipality as part of its extension activities. As part of this programme we intend to impart a practical training to students on the decentralization process in the local administration and governance especially in e- governance.
49. The Politics department has started a pilot study in Participatory Development Programme in Assembly Constituency of Palai with special reference to:
 - (i) Utilization of MLA funds
 - (ii) Jalanidhi project
 - (iii) Social security measures for helpless
 - (iv) PRI and its functioning
50. Political Science U.G. students, as part of their syllabus, will be given an opportunity to watch the functioning of the State Legislative Assembly.
51. Endowment lecturers will conducted every year.
52. It is decide to strengthen and continue the Add-on course offered to the B.Com students. It will also try to upgrade the Accounting Software Tally to match with the emerging needs.
53. During the year 2007-08 Special Personality Development Programmes will be organized for the Final year B.Com and M.Com students. For this separate stay in programmes/campus will be organized during weekend.
54. An intercollegiate meet of Commerce students will be organized where various competitions will be held.
55. Renovate the Swimming Pool, with new filtering plant and dressing rooms
56. To take every follow-up action for starting a new P.G. Diploma programme in Sports Journalism and Sports Broadcasting, under the Innovative stream of the University Grants Commission.
57. To lay 400 meter Synthetic track and construct multipurpose Indoor Stadium.
58. To strengthen the community services by starting free consultancy and training in Athletics Swimming, Volleyball, Wrestling for the children.
59. To maintain the existing collaboration with Kerala State Sports council for nurturing talents in Athletics and Volleyball.
60. To collaborate with the Sports Authority of India to make this institution a center for Excellence in Sports.
61. Conduct demonstration and staging of some of the classical and folk arts, so that students will get an idea of such art forms.
62. To conduct a three day workshop on translation.
63. To strengthen the community services by taking classes, in and around Palai through dubs and social service societies.
64. To take the necessary steps to start M.Phil course in Hindi Language and Literature.
65. To start Vocational B.A. Degree course in Hindi Language and Literature.

Annexure I: List of publications (2006-2007). Papers presented in conference, seminars/conference attended

1. A UGC sponsored Three day National Interdisciplinary seminar on 'Eco-textuality and its textual Echoes' was conducted by the department of Botany in association with the Departments of English and German of this college at Rajeev Gandhi Centre for Nature Education and Research, Thekkady on 1-3, March 2006. The event was in collaboration with Periyar Foundation, Thekkady.
2. A two day National Workshop called Resource Generation Camp for 'Innovative Teaching and Research in chemistry' was held by the Department of Chemistry on 6 & 7 January, 2006.

3. A One-Day Seminar on Intellectual Property Rights, conducted by the Research Forum on 12th Jan. 2006.
4. A one-day Seminar 'Indian Capital Market' was held by the department of Commerce on 6 February 2006
5. A two day National Seminar 'Bishop Mar Sebastian Vayalil Memorial National Seminar on Literary Theory' was held by the department of English on 16 & 17 February 2006
6. One Day Seminar on "Survival Models and SARS Modelling" on 23rd Feb. 2006.
7. A three-day National Seminar on 'Greening Knowledge: Eco-Textuality and its Textual Echoes' was held by the Departments of English, German and Botany on 1-3 March 2006.
8. A three-day national Seminar on 'Cinema' was held by the department of Malayalam on 2-4 March 2006.
9. A seminar on Intellectual Property Rights on 12 January 2006 was held by the Research Forum of the College.
10. A one-day seminar on the 'Creativity of the late Hindi author Nirmal Varma' was held by the department of Hindi.
11. A one-day Film workshop was held by the *Malayala Samajam* on 12 January 2006.
12. DST SERC School on Recent Developments in Stochastic Processes, Statistics and Astrophysics from 6th March to 7th April, 2006
13. One-Day Seminar on "New Frontiers in Quantum Mechanics" by Dept. of Chemistry on 24th March 2006, the keynote speaker was Dr. K.L. Sebastian.
14. NCOL-2007; 09-11 April 2007. Kerala University
15. All India Refresher Course on Topics in Mathematics and Physics conducted by Indian Academy of Sciences Bangalore – at Ramakrishna Mission Vidyamandir – Belur Math- Calcutta West-Bengal Dated 14 to 26 May 2007.
16. Conference on "Quantum Phenomena in confined dimension", June 4-8, 2007, held at Abdul Salam International Centre for Theoretical Physics, Trieste, Italy (Presented Paper).
17. Attended National Seminar on Materials Science at Christian college, Chengannoor, (25.03.07 to 27.03.07). Presented a paper on "the effect of heavy ion irradiation on CdTe thin films.
18. 'ISOTECH 2007- national Seminar on Applications of Radioisotopes and Radiation Technology', organized by National Association for the Applications of Radioisotopes and Radiation in Industry (NAARRI), Mumbai and Board of Radiation and Isotope Technology (BRIT), Mumbai at Nirmala College, Muvattupuzha on 24 & 25 January 2007.
19. 'PHOTORADCHEM 2007 – International Conference on Frontiers of Radiation and Photochemistry' organized by School of Chemical Sciences, Mahatma Gandhi University, Kottayam during 8-11 February 2007.
20. 'PHOTORADCHEM – 2007, an international conference on Frontiers of Radiation and photo chemistry held at Kottayam during February 8-11-2007, sponsored by SCS, M.G. University, Kottayam.
21. Presented a paper entitled 'Characterization and Thermal Stability studies of Manganese (II) Complexes derived from 2,3 –Dimethyl –4- Formyl (enzhydrazide) -1- Phenyl – 3-Pyrazolin – 5 – one' in the International Conference on Materials for the Millennium held at Cochin University of Science and Technology during 1-3, March 2007.
22. International Seminar on Children's Literature by International Children's Literature Association of St.Thomas College, Thrissur.
23. 18th Kerala Science Congress, Kannur, 30 January, 2007
24. "Photochem", International Conference, M.G. University Kottayam January, 2007
25. 18th Kerala Science Congress Kannur, Kerala, January, 2007.
26. "PhotoRad Chem", International Conference, MGU, Kottayam, January 2007.
27. PhotoRadchem International seminar organized by school of chemical sciences M.G. University, Kottayam
28. Kerala Science Congress conducted by STEC Govt. of Kerala on 29th January to 31st January 2007 at Kannur.
29. "The Self as Trope", presented at the national Seminar on Self-writing, organized by Kendra Sahitya Akademi, at Kottayam on Feb. 08, 09, 2007.

30. International Conference on Special Functions and Applications, 18-20 May 2007. Some Applications of Special functional Multivariate Statistical Hypotheses and Geometrical Probability Problems.
31. Annual Conference of Society of Statistics, Computer and Applications, Amaravathi, Maharashtra
32. Central Institute of Hindi, Hyderabad, 17-02-07 – 19-07-07, First Freedom Struggle of India.
33. 'Gobalisation and Hind'. Central Institute of Hindi Hyderabad, 19-02-2007.

Annexure II: Major/Minor Research projects

2006-07

1. Sebastian George and K.M. Kurian (2006), Two-sided confidence intervals for the process capability Index Cpk. Statistical Methods (Special Issue) 52-60.
2. Thomas Mathew, G. Sebastian and K.M. Kurian (2007), Generalized confidence intervals to process capability Indian. Quality and Reliability Engineering Institutional 23. 471-481.
3. Hypercubic Designs and Applications, Statistical Papers Volume 48, Number 3, July 2007. Thannippara A, Kurian 13, Ghosh D.K. Bagui S.C.
4. Thomas Mathew, G. Sebastian and K.M. Kurian (2007). Generalised Confidence Intervals to Process capability Indian, Quality and Reliability Engineering International, 23. 471-481.
5. 'A Critique of Amitav Gosh's In An Antique Land' STARS International Journal Vol. 1 No. 1 January 2007.
6. Encapsulation and Controlled Release in Cross linked Polymeric Networks, Journal of Applied Polymer Science, 2007 (in press)
7. Molecular Transport of Aromatic Hydrocarbons through Lignin-filled Natural Rubber Composites Polymer Composites, 1, 15-24 (2007)
8. Effect of Polymerization conditions on the solvating behaviour of polyacyloxide Hydrogels, STAARS, 1, 51 (2007)
9. Aromatically Modified Dendrimers Polymer International (in press)
10. Antibacterial Activity various extracts from medicinal plants Sarada Gopalkrishnan & P.J. Benny STARS Vol. 1(1) Jan. 2007.
11. STARS 2007. T.E. Wave Propagation at the interface of ferrite and nonlinear clapping.
12. Published a paper titled "Effect of swift heavy ion irradiation on cdx ($x=c, Te$) this in Nuclear Instruments and methods in physics research B (NIMB) USA. Elsevier Journal.

In addition more than 100 research papers were published in College/State level Journals during the last 5 years.