

**The Annual Quality Assurance Report  
(AQAR) of the IQAC**

*Submitted to*  
**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL  
&  
UNIVERSITY GRANTS COMMISSION OF INDIA**



Submitted by  
**ST. THOMAS COLLEGE  
PALA, KOTTAYAM, KERALA- 686574**

Tel:+91-4822-212317

Fax: +91-4822-216313

Email: [principal@step.ac.in](mailto:principal@step.ac.in)

[stepiqac@gmail.com](mailto:stepiqac@gmail.com)

**Year of report: 2008-2009**

## Part A

A plan of action has been framed at the beginning of the year, giving thrust to quality enhancement in all spheres of the performance of the College. Due attention has been given to the preferences of all stakeholders. The main proposals in the Department-wise Action Plans and the outcome achieved by the end of the year are presented in the report.

### Statistics

- i. Career Guidance and Placement Cell to be strengthened
- ii. Syllabus updating for M.Sc. Statistics and Biostatistics during 2008-'09.
- iii. An International Workshop on Bayesian Statistics using Open Bugs and R.
- iv. DST-SERC Schools in Stochastic Process Modeling, Design of Experiments and Quality Control, Exploratory Data Analysis and Statistical Computing.
- v. DST sponsored programmes for undergraduate students will be initiated.
- vi. More seminars and invited talks to be arranged.
- vii. More association activities and co-curricular activities.
- viii. Biostatistician Surveys and Data Analysis.
- ix. Student Projects supported by KSCSTE and other agencies.
- x. Publication of a Journal of international standards.
- xi. Strengthening consultancy activities.
- xii. Poor students' aid fund will be made operational.
- xiii. Alumni activities will be strengthened further.
- xiv. Research Activities will be enhanced. More collaborative works will be under taken.
- xv. Strengthening infrastructure, beautification of the Department and the campus.

### Mathematics

- i. Organize Prof. Mathew T. Matheikal intercollegiate mathematics quiz
- ii. More seminars and invited talks to be arranged for the benefit of the students.
- iii. Apply for major/minor projects of agencies such as, DST, UGC, CSIR, DBT, etc.
- iv. To ensure 100 per cent computer literacy among students.
- v. Mathematics awareness programmes for plus two students.

## Physics

- i. Decided to strengthen career guidance cell of the department and Dr. Vincent Mathew appointed as the coordinator.
- ii. Decided to actively take part in B. Sc Syllabus revision initiatives of M.G. University. Dr. Ison V Vanchipurackal will be coordinating the process.
- iii. Decided to conduct Seminars, workshops and invited talks for the benefit of students in the Department.
- iv. Decided to strengthen the activities of Department students association.

## Chemistry

- i. More seminars and invited talks to be arranged.
- ii. Strengthen the activities of Chemistry Association and co-curricular programmes.
- iii. Strengthening consultancy activities like water quality monitoring, soil testing etc.
- iv. Alumni activities will be strengthened further.
- v. Research Activities like more projects and collaborative works will be under taken.
- vi. Strengthening of infrastructure by using DST FIST grant
- vii. UGC-CSIR / GATE coaching to be strengthened.
- viii. More curricular and co-curricular activities for undergraduate and postgraduate students.

## Biotechnology

- i. To improve 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, will be constituted. The students had to do two work presentation seminars related to their area of study. Involvement of teachers in the research work of the students will be evaluated annually.
- ii. The animal cell culture laboratory established in the previous year has to be improved.
- iii. Provide students with training in Molecular Biology techniques in the Plant Molecular Biology laboratory.
- iv. Continue to offer the certificate course in Molecular Biology and plant tissue culture.
- v. Promote the Collaboration of the Bioinformatics Centre with the Department of Statistics and Biostatistics. Students of Biotechnology and Applied Microbiology will be trained in Bioinformatics.

## **Botany**

- i. Upgrade the facilities in the Department to the level of a national research centre with the aid of Department of Science and Technology, Government of India, New Delhi under the Scheme FIST.
- ii. Establish a new laboratory for Ethno biology and a project in Ethno medicine.
- iii. Modernize the department and laboratory with financial aid from Kerala State Council for Science, Technology and Environment (KSCSTE).
- iv. Avail plant science research experience abroad.

## **Zoology**

- i. Annual lesson plan will be set on the opening day of the new academic year.
- ii. Introduce a sound free-hour management system.
- iii. Keep all sorts of leave of absence by staff at the minimum.
- iv. Prepare printed notes in simple language and give copies to all students.
- v. Use charts, models and actual specimens extensively in the class to make teaching and learning processes effective and interesting.

## **English**

- i. Career guidance and UGC-NET coaching.
- ii. Further strengthening of student evaluation through rigorous internal assessment.
- iii. Organizing seminars/invited talks, especially, for postgraduate students.
- iv. Promotion of participation of teachers in seminars/workshops.
- v. ELT open sessions for final year B.A. English students through English Speaking Corner.
- vi. Publication of articles/research materials.
- vii. Promoting the use of state-of-the-art audio-video aids in the classroom.
- viii. Student projects in ELT supported and funded by the Dept.
- ix. Further enhancement of research activities.
- x. Creation of more infrastructural facilities.
- xi. Strengthening of alumni activities.
- xii. Offer remedial classes to weak students.
- xiii. Strengthening of English Association activities.
- xiv. Conducting bridge courses for PG aspirants.
- xv. Conducting research orientation programmes for PG students.

## Malayalam

- i. UGC/NET coaching to P.G. students.
- ii. Organizing seminars/invited talks.
- iii. Promote participation of teachers in seminars/workshops.
- iv. Organise cultural programmes.
- v. Publication by students.
- vi. Celebrate Onam and Kerala Piravi Dinam.
- vii. Promote creative writing by teachers and students.

## Hindi

- i. Career guidance and UGC-NET coaching.
- ii. Strengthening of student evaluation through internal assessment.
- iii. Organizing seminars/invited talks for postgraduate and research students.
- iv. Participation of teachers in seminars/workshops.
- v. Publication of articles/research material.
- vi. Further enhancement of research activities and project works.
- vii. Creation of more infrastructural facilities.
- viii. Strengthening of alumni activities.
- ix. Offer remedial classes to weak/SC/ST students.
- x. Strengthening of Hindi Association activities.
- xi. Conducting research orientation programmes for PG students.

## German

- i. To cooperate with the IGNOU centre of the college, and motivate the students in doing the certificate course in German language of the Indira Gandhi National Open university
- ii. To organize competitions on language translations.
- iii. To inculcate a culture of German speaking among the students.

## Syriac

- i. To make Syriac language studies interesting to students
- ii. To give an opportunity to students to learn the historical and cultural relevance and importance of the Syriac inscriptions found in different parts of Kerala.
- iii. To ensure active participation of students in learning the language.
- iv. To purchase more books on Syriac language for the General Library.
- v. To encourage students to conversation in Syriac language.

## Commerce

- i. A seminar on 'Corporate Social Responsibilities'
- ii. A professional seminar for III B.Com students
- iii. A professional seminar for II B.Com students
- iv. A Career guidance seminar for B.Com students
- v. An Accounting Awareness seminar for B.Com and M.Com students
- vi. A Professional orientation seminar for B.Com students
- vii. An 'Investment awareness seminar' for M.Com students
- viii. A Seminar on 'Sustainable Development'
- ix. A day and night workshop for III B.Com students
- x. Conduct C.M. Mathew Chandrankunnel Endowment Lecture
- xi. A seminar on 'Practical Banking'
- xii. Conduct panel discussion on selected current topics

## Economics

- i. Conduct panel discussion on the impact of recent trends in economy
- ii. Conduct P.J. Thomas memorial lecture
- iii. More seminars and invited talks to be arranged
- iv. More association activities and co-curricular activities.
- v. Research activities to be enhanced.
- vi. Beautification of the department.
- vii. Enhancement of research activities of the department.
- viii. Poor students aid fund will be made operational

## History

- i. More seminars and invited talks to be arranged
- ii. More association activities and co-curricular activities.
- iii. Research activities to be enhanced.
- iv. Beautification of the department.
- v. Training programmes in archeology for students.
- vi. Poor students' aid fund will be made operational.
- vii. A History Exhibition is to be conducted.

## **Political Science**

- i. Seminars and invited talks to be arranged
- ii. It is proposed to form a 'Quality Study Circle' consisting of faculty members and Research Scholars of the Department.
- iii. To encourage the teachers to apply for research projects.
- iv. To encourage the teachers and students to use computer and internet.
- v. To generate a growing interest among the students and teachers to use internet, e- journals, intranet facilities,
- vi. Career Guidance and placement cell to be strengthened
- vii. More association activities and co-curricular activities
- viii. Publication of a journal of national/international standards
- ix. The activities of the alumni to be strengthened
- x. The poor students' aid fund will be made operational
- xi. Research activities will be enhanced
- xii. Strengthening infrastructure of the department

## **Physical Education**

- i. Strengthening of the infrastructure of the department
- ii. Sports alumni activities to be strengthened further
- iii. Conduct Bishop Vayalil Memorial volley ball competition
- iv. Coaching camps for various games to be initiated
- v. Participation in more inter collegiate events
- vi. Conduct of various state and inter collegiate level events
- vii. Conduct more extension activities for public

## **IGNOU**

- i. To increase enrollment of students by adopting suitable promotional measures.
- ii. To establish the convergence scheme of IGNOU
- iii. To offer B.Com. programme on regular mode
- iv. To install a computer lab
- v. To develop a curriculum for Diploma in Computer Applications
- vi. To activate the certificate course in German language

### **NCC (Army)**

- i. Conduct 20 parades in this academic year.
- ii. Celebration of Independence Day and Republic Day and NCC Day.
- iii. Conduct Trekking Expeditions.
- iv. Visiting Charitable Institutions as part of NCC Day celebration.
- v. Arranging orientation camps for the cadets.
- vi. Conduct tree plantation programme.

### **NCC (Navy)**

- i. Conduct 20 parades in this academic year.
- ii. Celebration of NCC Day.
- iii. Celebration of Independence Day with march-past and other functions.
- iv. Visiting Charitable Institutions.
- v. Arranging orientation camps for the cadets.
- vi. Conduct 'Run for Fun' Programme.



## **Part B**

### **1. Activities Reflecting the Goals and objectives of the Institution**

#### **Statistics**

With a view to impart quality education in Statistics and related areas ensuring international standards, the following programmes were organized.

#### **Professor K. Ramakrishna Pillai Trophy Quiz competition**

The All Kerala Statistics Quiz competition for the Prof. K. Ramakrishna Pillai memorial trophy was conducted on 29<sup>th</sup> January 2009. Eight teams of under graduate students from various colleges in Kerala participated in the quiz programme. The team consisting of Justine Joseph and Akhil Prabhu of Nirmala College, Muvattupuzha, won the first prize. The Principal Rev. Dr. Mathew John Kokkattu, distributed cash prizes, trophies and merit certificates.

#### **Three Day Workshop on SAS and SPSS**

As part of the National Statistics Day Celebrations 2008, the Department of Statistics organized a 3 day Workshop on Design of Experiments and Training in SAS and SPSS softwares. The programme was inaugurated by Dr. Thomas Mathew, Professor of Statistics, University of Maryland, U.S.A. He gave an invited talk on 'A gamma distributed model for tolerance limits for an occupational exposure data'. Dr. Vijayaraghavakumar, Kerala Agricultural University, Vellayani gave talks on Design and Analysis of Agricultural Experiments using SAS. Dr. J. Sreekumar, Scientist, CTCRI, Sreekariyam, Trivandrum led the workshop on SAS Programming and Dr. Joy Jacob conducted the workshop on SPSS.

#### **National Statistics Day Quiz Competition 2008**

On 25 June 2008, a Statistics Quiz Competition for undergraduate college students studying for Statistics and Economics under Mahatma Gandhi University, Kottayam was held. Dr. K.K. Jose and Dr. Seemon Thomas were the quizmasters. Dr. A.M. Mathai, Director, Centre for Mathematical Sciences gave an invited talk on Mathematical and Statistical Modelling. The valedictory message was given by Rev. Dr. Mathew John Kokkattu, Principal, St. Thomas College, Palai. Prizes and merit certificates were also given to the winners.

The team consisting of Ms. Asha Chandran T.C. and Bijimol T.V. of Newman College, Thodupuzha won first prize in the Statistics Quiz. The second and third prizes were won by Nirmala College, Muvattupuzha and Alphonsa College, Palai. The programme was organized as part of the National Statistics Day Celebrations jointly organized by the Ministry of Statistics and Programme Implementation, Govt. of India, Field Operations Division, Trivandrum and Department of Statistics, St. Thomas College, Palai.

## **Social Science Training Camp in Statistical Methods**

A Training Camp of 3 days duration was organized in the Department of Statistics from 25th to 28th October 2008 for the benefit of Researchers in Social Sciences. Elements of Sampling Techniques, Inference Procedures and Statistical Data Analysis using SPSS were the main topics discussed. The Resource persons were Dr. A.M. Mathai, Dr. K.K. Jose, Dr. Joy Jacob, Dr. Sebastian George and Dr. Seemon Thomas. About 40 researchers from various disciplines participated.

### **Invited talks**

Dr. D.K. Ghosh, Professor and Head of the Department of Statistics, Saurashtra University, Rajkot, Gujarat, gave an invited talk on ‘Constructions of Optimal Designs’ on 3rd September 2008. Dr. A.M. Mathai, Emeritus Professor of Mathematics and Statistics, McGill University, Canada gave a series of lectures (50 hours) on Biostatistics and biological modeling to M.Sc. Statistics and Biostatistics students during 2008-09. Dr. Thomas Mathew, University of Maryland, USA gave an invited talk on “Multivariate Confidence Regions in Bioequivalence Studies” on 12th January 2009.

## **DST – SERC School on Mathematical Sciences in April-May 2009**

The 2009 SERC School on Mathematical Sciences sponsored by Department of Science and Technology, Govt. of India organized by the Centre for Mathematical Sciences Pala campus in collaboration with the Department of Statistics was held in the college from 20th April to 22nd May 2009. This year the theme was ‘Matrix Variable Calculus and Statistical Distributions with applications in Astrophysics’. DST selected the 30 participants on all India basis from among research scholars and young teachers below 30, working in colleges and Universities all over India in the areas of Mathematics, Statistics and Mathematical Physics. The main Resource persons included Dr. H.J. Haubold (UN), Dr S. Kounias, Dr. A.M. Mathai (Canada), and Dr. K.K. Jose (Pala). Dr. Seemon Thomas, Dr. Sebastian George and Dr Joy Jacob from the Department delivered lectures and handled practical sessions. The Director was Dr. A.M. Mathai and Co-Director was Dr. K.K. Jose.

## **International Workshop on Bayesian Statistics using Open BUGS and R software**

An International Workshop on Bayesian Statistics using Open BUGS and R software was held from 8th December to 12th December 2008 at the Department of Statistics in collaboration with the Indic Society for Education and Development (INSEED), Nashik, Maharashtra. The resource persons included Dr. Andrew Thomas, University of St. Andrews, UK (Developer of the BUGS software); Dr. Olli Saarela, National Public Health Institute, Finland; Dr. Sangeetha K., University of Helsinki and Dr. Bijoy Joseph, Director, Akra-Numero Research and Consultancy Centre and Treasurer INSEED. About 40 delegates including College/University teachers, scientists, research scholars, applied statisticians, biostatisticians, epidemiologists from India and abroad participated

## **Other activities**

### **Prof. P.C. Joseph Memorial Lecture**

The birth centenary of Prof. P.C. Joseph, founder head of the Dept. of Mathematics and Statistics was celebrated on 30.1.09. A lecture series was instituted by the well wishers and alumni of the Department. The lecture series was inaugurated by Dr. A.M. Mathai, McGill University, Canada. The first talk in the series was delivered by Dr. N. J. Kurian, formerly Advisor to the Planning Commission of India, on the topic 'The Global Economic Crisis – Impact and Challenges for India'. Principal Rev. Dr. Mathew John Kokkattu, gave a memento to Smt. Rose Mary George, daughter of Prof. P.C. Joseph. Dr. K. K. Jose, Dr. Sebastian George and Prof. J. Chandramohan spoke on the occasion. Many old students and teachers as well as well-wishers participated in the programme.

### **Biostatistics Alumni Meet and Workshop on syllabus revision**

The first batch of M.Sc. Biostatistics students met on 23 August 2008. There was a panel discussion and workshop on the necessary changes to be made in the curriculum for M.Sc. Biostatistics. The resource persons included Dr. K.R. Sundaram, Professor of Biostatistics, Amrita Institute of Medical Sciences, Kochi; Dr. Aleyamma Mathew, Professor of Epidemiology, Regional Cancer Centre, Trivandrum; Dr. Preethi Sara George, R.C.C. Trivandrum; Dr. Anil C. Mathew, Professor of Biostatistics, PSG Institute of Medical Sciences, Coimbatore, Ms. Beteena Kurian, AIMS, Kochi. It was followed by an invited talk on the 'Scope and challenges in the Career Opportunities for Biostatisticians' by Dr. Aleyamma Mathew. The students instituted an endowment of Rs.20,000/- to be awarded to the top scorer in M.Sc. Biostatistics in the University examinations. Scholarships instituted by Mr. V. Sreejith were presented to Mr. Royes Joseph (I rank) and Ms. Smitha Mathew (II rank) by Rev. Dr. Mathew John K., Principal of the college.

## **Mathematics**

### **Prof. Mathew T. Matheikal Intercollegiate Mathematics Quiz**

The Department of Mathematics organized the Prof. Mathew T. Matheikal Intercollegiate Mathematics Quiz competition on 9 December 2008. Eight teams representing colleges from all over Kerala participated. Dr. Sunil C. Mathew of the Department was the quiz master. The first, second and third prizes were won by the teams representing Alphonsa College, Pala; Baselios Collge, Kottayam and St. Thomas College, Pala respectively. The prizes were distributed by Rev. Dr. Mathew John Kokkatt, Principal. The programme was co-coordinated by Dr. V.K. Jose.

## **Physics**

- i. The curriculum activities were properly planned in a student oriented manner and obtained 100% success in under graduate and post graduate examinations.
- ii. At the beginning of first year B.Sc and first year M.Sc classes, Dr.Vincent Mathew elaborated to them the scope and possibilities of physics learning and research in physics.
- iii. Proper guidance is given to students to qualify for KVPY scholarships, JAM, NET, JUST etc.

- iv. Faculty of the department actively participated in the syllabus revision programme of M.G. University.
- v. Organized two quiz programmes, one in connection with science day celebrations and another for P.G students of M.G University.
- vi. Three invited talks were conducted on topics, Geo cyclone, New Horizons of Science and biodiesel.
- vii. A poster presentation programme is organized for P.G. students of the college on the topic “Expanding Horizons of science”.

### **Other activities**

Students of the department actively participated in “Miss a Meal Programme” of the college to help poor people, “clean campus” programme and activities Anti Narcotic Club.

### **Chemistry**

With a view to imparting quality education on Chemistry at a level of international standards, the following programmes were organized:-

#### **Invited talks**

- i. Dr. K. Santhosh Kumar, Scientist, Rajiv Gaandhi Centre for Biotechnology (RGCB), Trivandrum delivered a lecture on ‘Peptide Antibiotics’ on 5 December 2008.
- ii. Dr. K. George Thomas, Bhatnagar Awardee and Scientist, National Institute for Interdisciplinary Science and Technology (CSIR), Trivandrum, delivered a lecture on ‘Carbon-based Nano Structures’ on 5 December 2008.

### **Biotechnology**

The overall performance of the Department has been excellent. The Department achieved 90% pass in Biotechnology and 91% for Applied Microbiology in the University examinations. One of the students passed the UGC CSIR-NET examination and another one passed the DBT JRF examination. Two students passed the M.G. University entrance examination for Ph. D. registration. Ms. Chithra J.S. of Biotechnology course has been selected for Ph.D. programme of JNU. Ms. Preena of 2007 batch of Applied Microbiology was selected for JRF awarded by Kerala State Science Technology and Environment Council. She joined for Ph.D. programme in Cochin University of Science and Technology. One of our students Ms. Chithra J.S. passed the DBT JRF examination in overall 13<sup>th</sup> position. Miss Sajini S.R, Miss Nadiya F. and Ms. Soumya Mohanan of the Applied Microbiology Course secured the first, second and third ranks in the M.Sc Applied Microbiology examination of Mahatma Gandhi University.

The faculty has published two research papers during the year. One faculty member registered for Ph.D. programme of Mahatma Gandhi University.

### **Botany**

The Department is sensitive to the changing educational and social demands. The Department has taken the following initiatives to achieve this objective.

**Staff meetings:** The Department conducts staff meeting to discuss various matters, usually current issues in Plant Science. All the teachers and non-teaching staff participate in the meetings. At certain occasions the Principal of the college also participated in the meetings. Analysis of the result of the students is done to study their progress. Special staff meetings are held to discuss urgent issues.

The Department has been selected for the FIST Scheme by the Department of Science and Technology with a fund allocation of Rs. 40.5 lakhs. The first installment of Rs. 34 lakh was received from DST of Govt. of India. The second installment of the SARD Scheme of KSCSTE, Govt. of Kerala, of Rs. 2, 70,000 was also received by the Department in the year 2008-2009.

**Interaction with the students:** The Head of the department and tutors of every class regularly interact with the students as part of the tutorial works. The feedback that the Department received from students were discussed in the Department staff meetings.

**Interaction with the parents:** Conducted meet the parents programme and obtained feedback from parents. The progress of the students was reported to the parents.

**Weekly hour for interaction:** All teachers are available to the students throughout the working hours. Moreover, every teacher is assigned one hour a week to be present in the department for the purpose of hearing the students. The time schedule is published in the notice board. The teachers of the Department of Botany are available in the Staff Room for students' interaction in the following order:-

|                         |             |                  |
|-------------------------|-------------|------------------|
| Dr. Jomy Augustine      | – Thursday  | 9.30 to 10.30 am |
| Dr. P.O. Augusthy       | – Wednesday | 3.30 to 4.30 pm  |
| Sri Paul V. Karamthanam | – Thursday  | 1.15 to 2.15 pm  |
| Dr. Dennis Thomas T.    | – Monday    | 3.30 to 4.30 pm  |
| Sri Toji Thomas         | – Tuesday   | 3.30 to 4.30 pm  |
| Dr. Jos T. Puthur       | – Tuesday   | 1.15 to 2.15 pm  |
| Dr. Johns Augustine     | – Wednesday | 12.45 to 1.45 pm |

**Other steps taken:**

1. The Department of Science and Technology, Govt. of India New Delhi has sanctioned an amount of Rs. 40.5 lakhs under DST-FIST Scheme for the scientific augmentation of the facilities of the department with a central theme of Bio prospecting of Indigenous Plant Wealth. As the first installment for the implementation of the programme we have received an amount of Rs. 34 Lakhs in the financial year 2008-2009.
2. A laboratory with all facilities for screening of medicinal plants is set up in the department. A separate herbarium is also set up. 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. Three medicines were prepared according to the studies done under the scheme.

3. We applied for the financial assistance from KSCSTE under SARD Scheme for modernizing the department and Lab and we got Rs. 13.1 lakhs. As the second installment of the scheme a sum of Rs. 270000 has also been received.
4. Two young lecturers Dr. Jos T. Puthur and Dr. Dennis Thomas T. were selected by BOYSCAST fellowship of DST, Govt. of India to get research experience from Hungary and Germany. Dr. Dennis Thomas T. did his research in Japan in the year 2008-09.

### **Zoology**

- i. Students who are not regular in classes were identified and they were given proper guidance.
- ii. Identified problems concerning the teaching and learning process and initiated proper remedial measures.
- iii. Services of the official Counselor of the college is made available to selected students.
- iv. Remedial coaching was given to SC/ST students.
- v. Remedial classes were held for week students.

### **English**

The following programmes were organized by the Dept. to help students fare well in their academic pursuits.

#### **English Speaking Corner**

An English Speaking Corner was kept alive under the massive evergreen mahogany trees in the front yard of the college on working days throughout the year. Hundreds of students participated in this successful endeavor initiated by the English Literary Association with the students of final year B.A. English batch serving as facilitators of the interaction between students in English through discussions, extempore speeches, mock interviews, role play, language games etc. The English Speaking Corner was active from July 2008 to February 2009.

#### **Thesis Presentation**

Mrs. Sonia James, research scholar under Dr. Augustine Joseph of the Dept., presented her thesis *Constructing the Subject: Rewriting Shakespeare* before the teachers and PG students of the Dept. on 25<sup>th</sup> Nov. 2008. It was a mock open defense session for the scholar and the audience. The presentation was followed by lively discussion, feedback etc. in which both teachers and students actively participated.

#### **Christmas Quiz Programme**

A unique Christmas Quiz Programme was conducted for PG and UG students separately. Questions relating to Xmas were chosen from English literary texts and linguistic expressions. The top scorers were awarded certificates and attractive prizes. Prof. P. J. Johnson led the programme.

## **Invited Talks**

Prof. S. Venu, S.D. College, Alapuzha delivered a lecture on postmodernism for the postgraduate students on 11<sup>th</sup> August, 2008. Dr. K.V. George, Newman College, Thodupuzha, gave a talk on 'English Literature – A Survey' and led the mock viva voce for MA students on 25<sup>th</sup> Sept. 2008. Prof. G. Sudhakaran, Ettumanoorapan College, Ettumanoor, spoke to the postgraduate students on literary practices of the day on 1<sup>st</sup> Nov. 2008. Dr. S. Kalyani Vallath, well-known UGC-NET trainer from Thiruvananthapuram gave intensive training to the PG English students on NET on 5<sup>th</sup> and 6<sup>th</sup> Nov., 2008. Mr. George Karunackal, HR trainer, Palai, gave effective training to UG and PG students on stress management.

## **Other Activities**

### **Alumni Meet**

#### ■ *At the UG Level*

The annual get-together of B.A. English batches of previous years was held on 26<sup>th</sup> Dec. 2008. The batches gathered in their respective classrooms to recollect fond memories, and shared their varied experiences among themselves and with the teachers. They also celebrated Christmas with their teachers. About 160 students participated. Dr. Thomas Augustine, Prof. Tommy Cherian, Dr. Augustine Joseph and Dr. Joy Jacob took mock classes which aroused nostalgic feelings in the students. The degree alumni have taken the decision to help the Dept. set up a well-stocked CD library and to sponsor one bright student from each class who needed financial support.

#### ■ *At the PG Level*

A family get-together of the millennium batch was held on 27<sup>th</sup> Dec., 2008. They gathered in the Dept. and then proceeded to their classroom to reminisce the days spent there. The principal, former heads of dept. and teachers addressed the gathering. The PG alumni promised to co-operate with all the resource mobilization projects of the Dept.

## **Malayalam**

1. Organised UGC/NET coaching to P.G. students.
2. Published a Malayalam news paper by the students.
3. Organised cultural programmes in connection with Onam celebrations.
4. Celebrated Kerala Piravi Dinam.
5. Teachers participated in seminars and workshops.

## **Hindi**

The following programmes were organized by the Dept. to better achieve the goals and objectives of the institution.

### **Thesis Presentation**

Binu kumar V N, Abdul Jabbar, Santy Joseph, Sheela P V research scholars of the Dept., presented their theses before the teachers and PG students of the Dept. It was a mock open defense

session for the scholar. The presentation was followed by lively discussion, feedback etc. in which both teachers and students actively participated.

### **Invited Talks**

Dr. C. Viswanathan, and Dr. Vijayaraghava Reddy delivered lectures to PG and research students.

### **Alumni Meet**

A get-together of the first batch of MA Hindi students was held.

### **New Academic/Personal Counseling Sessions offered to Students**

Carrier orientation and counseling sessions were given to all students in the Department by Dr. P. D. George. Dr. George is trained in counseling skills.

### **Remedial Teaching**

Remedial classes were offered to academically weak students of UG and PG classes. These classes were given by teachers of the Dept. Classes were held in the morning (before the commencement of regular classes).

### **German**

Students were encouraged to do the certificate course in German language of Indira Gandhi National Open University. Two students joined the course during the year.

### **Syriac**

Students were given training in speaking Syriac language. They were encouraged to use the library.

### **Commerce**

The department is doing a lot for the growth of the students. In addition to the regular classes; remedial classes, extra classes, industry exposure, invited talks, personality development programs, workshops, inter collegiate competitions etc. were organized for inspiring the students to achieve higher goals in their lives. A good number of programmes have been organized by the Dept. to help students fare well in their academic pursuits.

### **Economics**

With a view to imparting quality education in economics the following programmes were organized:-

- i. P.J.Thomas memorial Lecture was conducted on October 14<sup>th</sup> 2008. It dealt with the Impact of U.S fiscal crisis on India. Adv .Alphons Kannanthanam was the chief guest.
- ii. A panel discussion was conducted on the impact of economic recession in collaboration with Prof. K Philip John Academic Foundation on January 2009. Adv. Joy Nadukara presented paper.
- iii. III Dc students published a news letter called Artha Vicharam containing news on economic issues.



## History

With a view to imparting quality education in History the following programmes were organised.

- i. Seminar on Heritage preservation was conducted on 7<sup>th</sup> October 2008. Training in archeology was given to students at Hill Palace Tripunithura during 7<sup>th</sup> to 23<sup>rd</sup> May 2008.
- ii. III Dc students visited the Excavation site at Neeloore where Archeological Survey of India is conducting their studies.
- iii. Examination reforms implemented. Test papers were conducted unit wise and objective type tests were given.
- iv. A quiz competition was organized.
- v. A meeting of the heritage society was organized. Students visited the museum.

## Political science

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 2008-2009.

### Quality Study Circle

Under the auspices of Quality Study Circle – an open discussion forum, conducted six programmes for the postgraduate students, research scholars, teachers and the public during 2008-09 academic year.

### National Seminar

U.G.C. Sponsored National Seminar on “Issues of Human Rights among Tribal in Kerala” was organized by the Department on 20<sup>th</sup> November 2008.

### Forum for Great Thoughts

The Forum for Great Thoughts organized an invited talk on 14<sup>th</sup> November 2008. Dr. M.M. Mathew, Reader in Political Science, Marthoma College, Thiruvalla delivered the speech.

### Political Science Association

Merit Day Celebrations (2008-09) of the Department was conducted under the auspices of the Political Science Association

## Physical Education

With a view to providing tangible value education to its students, the following programmes were organized:

## **Summer Coaching Camp**

The summer coaching camp for the children of the nearby locality was conducted in the games like Volleyball, Athletics and cricket. The camp was of one month duration which started on 2<sup>nd</sup> May. The camps were held under the guidance of Sri, Ashish Joseph, Sri P.P Paul (KSSC) and Sri Jobin (KCA). Altogether twenty-eight students participated in the camp.

## **31<sup>st</sup> Bishop Vayalil Volleyball Tournament**

The 31<sup>st</sup> Bishop Vayalil All Kerala Inter collegiate Volleyball Tournament for Men & Women was held during 20<sup>th</sup> – 24<sup>th</sup> October 2008. A total of ten teams in men and women section participated in the prestigious event. Eventually Baselius college Kottayam and Assumption college Changnacherry won the championship in the men & women category respectively.

## **IGNOU**

- i. Press release and advertisements were given in Newspapers and television channels to popularize the programmes in offer.
- ii. Student's enrolments increased to 142 under distance mode.
- iii. Number of woman learners showed remarkable progress
- iv. Regular teachers of the college engaged counseling sessions during Sundays and other holidays for the students under the distance mode.

## **NCC-Army**

The following programmes were organized by the Unit during the academic year:

- i. Celebrated Independence Day, Republic Day and NCC Day.
- ii. Conducted a trekking expedition from Kaipally to Vagamon on 6<sup>th</sup> September, 2008.
- iii. Conducted one day orientation camp on the "Job opportunities in Indian Armed Forces". Col. M.S. Bist, the Army Recruiting Officer, Pangodu, Thiruvananthapuram and Lt.Col. G.B. Nair, Company Commander, 17 Kerala NCC, Pala, delivered the lectures. 726 cadets from various colleges and schools participated in the camp.
- iv. Hosted 10 days RD Preparatory Camp (Kottayam Group), during September 19-29, 2008.
- v. Conducted a Tree Plantation Programme on 24<sup>th</sup> September, 2008.
- vi. Visited the Maria Sadhan, Pala on 24<sup>th</sup> November, 2008 as part of NCC Day Celebrations.
- vii. The Cadets of the Unit actively participated in the Traffic Awareness Programme.
- viii. This institution was the Centre for the B- Certificate examination of Pala Battalion.

## **NCC-Navy**

- i. NCC day was celebrated in November 2008.
- ii. Celebrated Independence Day with march-past and other functions.
- iii. Conducted a Programme named 'Run for Fun' in November 2008.

- iv. Visited Special School at Pala on November 2008 as part of NCC day celebrations.

## **NSS**

Following is a list of the major activities undertaken by the NSS unit during the academic year 2008-09:

1. Started its activities with 344 volunteers.
2. Organized activities in the college campus, Pala Municipality, and Thudanganadu.
3. Identified Thudanganadu as partner village.
4. Govt. LP School Kadayam, Govt. LP School Arunapuram and St. Thomas LP School Thudanganadu were the partner institutions.
5. Distributed uniform cloths to students of Govt. schools at Kadayam, Arunapuram, Thudanganadu, Lalam and Kadanadu.
6. Organized a night camp as an orientation programme for the new members.
7. Observed 'My tree programme', 'Hiroshima Day', 'Sadbhavana Day', 'Literacy week', 'NSS Day', 'Nadheevandanam', and Traffic Awareness Week.
8. Organised a legal awareness programme for second year UG students.
9. Organised an eye donation camp for students.
10. Mass tree plantation was carried out in the campus and in the vicinages of Pala Ettumanoor highway.
11. The creative forum of the NSS unit brought out a manuscript magazine 'Spandanam'.
12. Organised ten day special camp during the Onam vacation at Thudanganadu.

## **2. New Academic programme initiated (UG and PG)**

### **Statistics**

Brain-storming sessions, Add on programs and Workshops in SAS programming, Statistical Data Analysis, R-programming and Statistical Ecology were organised.

### **Physics**

Add on program: LA-TEX type training is given to UG and PG students

### **Political Science**

The department has submitted a proposal to the UGC for conducting Postgraduate Diploma Course in Human Rights Education and Duties'.

## **3. Innovations in curricular design and transaction:**

### **Statistics**

The syllabi of both M.Sc. Statistics and M.Sc. Biostatistics are revised. The new syllabus will be implemented in the year 2009-'10. Draft syllabus is already prepared. A system of peer teaching by research scholars is implemented to supplement the regular classes.

## **Physics**

Teachers in the Dept. actively participated in the curriculum design and syllabus modernization programs of the M.G. University. Drafts were prepared and submitted to the University. Remedial teaching is conducted for students in the Dept.

## **Chemistry**

The teachers of the department of chemistry are actively participating in workshops, seminars and conferences in connection with the revision and modification of syllabi and curricula. Under the new restructured CBCSS system of undergraduate B.Sc programme, open courses and choice-based optional courses are included and the Dept. offers such courses to the students of chemistry programme and other undergraduate programmes. These courses are of current relevance and the teachers and students have freedom to choose such courses to facilitate effective Teaching-Learning process. Teachers are expected to equip themselves to meet the needs of the society and to familiarize themselves with modern topics in chemistry such as Nanochemistry, Green Chemistry, and Polymer Chemistry by attending workshops, refresher courses, seminars and short-term courses.

## **Biotechnology**

A proposal for modification of the existing curriculum has been submitted to the Mahatma Gandhi University. A model curriculum for the Biotechnology courses has been developed and submitted to the university.

## **English**

Under the leadership of the trained career consultant and counselor in the Dept, Prof. Cherian Vadakkekunel, both UG and PG students were offered career orientation and counseling sessions. As an ongoing process hundreds of students were given academic and personal counseling this year. Students from other institutions also were given this service free of cost as part of the consultancy programme.

## **Commerce**

Two members of the faculty participated in the 5 day workshop for introduction of choice based course credit and semester system and grading for B.Com. at M. G. University. The system has been implemented from the year 2009-10.

## **Political Science**

The syllabus for the undergraduate course are being revised for implementation during 2009-10. Teachers represented the department as experts for the syllabus revision.

- i. The Department conducts regular NET/SET coaching classes for the Postgraduate students.
- ii. Talented and intelligent students are spotted out and opportunities are given to nurture their talents

## **4. Inter Disciplinary Programmes started**

### **Statistics**

The Diploma programmes in Statistical Ecology as well as Bioinformatics and Computational Biology are interdisciplinary in nature. M.Sc. Biostatistics course offered by the Department is an interdisciplinary course supported by UGC under the innovative programme in emerging interdisciplinary areas.

### **Physics**

Teachers in the department were in the leadership role in organizing JRF/NET training programs in the college for the students of different science departments.

### **Biotechnology**

A Certificate programme in Bioinformatics is already available to the students of Applied Microbiology and Biotechnology. A certificate course in Molecular Biology and applied Microbiology has been started in the Department

## **5. Examination Reforms Implemented**

### **Statistics**

Test papers were conducted unit-wise along with objective type tests for PG students. Also coaching for UGC-CSIR test is given with objective type model tests.

### **Physics**

Weekly test papers were conducted for students in all the classes in a systematic manner. Seminar presentations by the students were encouraged.

### **Chemistry**

Test papers were conducted paper-wise every month. Exam oriented remedial coaching was given to weak students. After every internal examination, 'Meet the parents programme' is arranged for all classes. Special attention is given for UGC-CSIR test / GATE coaching and model tests.

### **Biotechnology**

The Department level internal assessment programme has been modified to include objective type test papers in tune with the UGC / CSIR entrance examination and DBT, ICMR competitive examination.

Work Presentation seminars are compulsory for final year students. This is a part of the project work of students. Interview system has been implemented in the Department to evaluate the knowledge level of the students.

### **Zoology**

Monthly test papers are given to III DC students regularly. Evaluated answer scripts are given to students. Students are encouraged to submit corrected answer scripts. Individual care is given in this activity. For I and II DC students, in addition to general mid terminal examinations, unit tests/class tests are also conducted.

## English

Pre-dissertation defense (PhD mock viva and defense), mock viva for PG students, unit tests and internal evaluation for UG, UGC-NET objective type tests etc. were conducted for the benefit of students.

## Commerce

Mock viva for PG students, unit tests and internal evaluation for UG, UGC-NET objective type tests etc. were conducted.

## Economics

Test papers were conducted unit wise and objective type tests were given. Coaching for NET was also given.

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

### Statistics

- JRF- Neemdu R. (2006-08),
- DST JRF- 1 ( Naiju Sebastian)

### Physics

- JRF- Bhagyaraj C
- NET- Bitty Joseph
- GATE- Tobin K. Thomas, Subha P.P, Ajith R

### Chemistry

- Mr. John Prakash     JRF
- Ms. Minnu Joys        JRF
- Ms. Jaya C. Jose       JRF
- Ms. June Cyriac        JRF
- Mr. Suraj Soman       NET
- Mr. Nikhil Chandra    NET

### Biotechnology

- JRF – One
- GATE – One
- PhD Entrance Test - Two

### Botany

- NET     - Two
- GATE - One

### English

- JRF – Surabhe Muthe
- NET – Minnu James

### Commerce

- Jisha George        (JRF)
- Tintu Thomas (NET)

## **Economics**

- Josia John (NET)
- Metilda George (NET)
- Xavier Kurian P (NET)
- Arunkumar T.A (NET)

## **Political Science**

- UGC- JRF/NET - Two

## **7. Initiative towards faculty development programme**

The students evaluate the performance of teachers annually. A brief report of the teacher evaluation by students is given to all teachers. Teachers are encouraged to register for Ph.D programme and are also given opportunity to attend seminars. They are motivated to utilize the FIP to make their doctoral studies more effective.

## **8. Total number of seminars/invited talks conducted:**

### **Statistics**

Four workshops and 5 invited talks.

### **Mathematics**

One National Seminar organized during 11-12 December 2008.

### **Physics**

Three invited talks.

### **Chemistry**

2 invited talks.

### **Botany**

Two seminars conducted

### **English**

Five invited talks conducted

### **Hindi**

Two invited talks conducted

### **Commerce**

Ten workshops/seminars/lectures were organised during the year

#### **a) Seminars**

- On 25<sup>th</sup> August 2008, a seminar on 'Corporate Social Responsibilities' was arranged. Dr. Stephen Mathew, Principal SB College Changanacherry was the resource person.
- On 25<sup>th</sup> September a professional seminar was conducted for III B.Com students by a team of resource persons from JRG Securities Ltd.
- Career guidance seminar was arranged for B.Com students on 29<sup>th</sup> September 2008. The resource person was Mr. Sibi K.C, Chartered Accountant.
- On 13<sup>th</sup> October 2008 an Accounting Awareness seminar was held for B.Com and M.Com students. The session was handled by Mr. Ciby Thodupuzha, Chartered Accountant.
- A Professional orientation seminar for B.Com students was held on 22<sup>nd</sup> October 2008. A team of resource persons from NIIT, Kochi led the program.

- On 23<sup>rd</sup> October an ‘Investment awareness seminar’ was held for M.Com students. A team of resources persons from ICICI Kottayam made the event fruitful.
- Dr. T. V. Muraleevallabhan, Dept. of Economics, SVRNSS College, Vazhoor presented a seminar on ‘Sustainable Development’ 24<sup>th</sup> October 2008.
- A seminar on ‘Practical Banking’ was held for I and II B.Com students on 13<sup>th</sup> January 2009 by Mr. K. J Chacko, Manager, South Indian Bank, Arunapuram.

#### **b) Workshop**

- A day and night workshop for III B.Com students named ‘Reaching for the stars’ was conducted during 21-22 November 2008 by Prof. Tomy Cherian and team.

#### **c) Endowment Lecture**

- In honour of Fr. C. M. Mathew Chandrankunnel, the former Vice-Principal and the faculty of the Department, an endowment lecture was delivered by Mr. Saji Antony, FCA on ‘Accounting Awareness’ on 18<sup>th</sup> November 2008 at the library hall for the B.Com and M.Com students.

### **Economics**

One workshop and one Invited Talk conducted

### **History**

One seminar and one Invited Talk conducted

### **Political Science**

One seminar conducted

## **9. Research projects**

### **Statistics**

Completed: Two UGC Minor Projects by the following faculty members

- Dr. K.K. Jose, Rs.90000/-
- Dr. Sebastian George, Rs.80000/-

Major project proposals are submitted to DST and MOSPI.

### **Physics**

Newly implemented:

- **Dr. Ison V Vanchippurackal**, Dept. of Physics “ *Swift heavy ion induced intermixing of Cd S/Cd Te bilayers for solar photovoltaic applications*”- Rs. 35000.00 – UGC.
- **Dr. Sunny Mathew**, Dept. of Physics “*Preparation and characterization of plasma polymerized aniline thin films*” Rs.80,000/- UGC.

### **Chemistry**

Completed:

One UGC Minor Projects by Dr. Sunny Kuriakose (Photoresponses and Related Phenomena in Functionality Modified Hyperbranched Polymers (No.F30-53/2004 (SR), dtd. 02.11.2004, Rs. 613000)

### **Biotechnology**

The following are the areas of research work carried out in the Department:

- Use of soil actinomycetes for production of hydrolytic enzymes
- Isolation and Characterization of inhibitors of Lipoxigenase and Cyclooxygenase from Plants.



- iii. Studies on the antibacterial properties of Chitosan
- iv. Plant tissue culture for production of secondary metabolites

These work are done by final semester students under the guidance of the teaching faculty

## Botany

a) Newly implemented : NIL

### 1. PI : 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. P I : 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 : Universisties grant commission

### 3. Res. Coordinator : Dr. Jomy Augustine (HOD of Botany)

Funding agency : KSCSTE (Govt. of Kerala)

Total amount : Rs. 13.1 lakhs

### 4. P.I. : Dr. Jos T. Puthur

Funding agency : Third World Academy of Sciences (TWAS), Strada Costiera 1134014 Trieste, Italy

Total amount : USD 7700b)

Completed : Two

## Zoology

‘Antibacterial principles from medicinal plants’

Principle Investigator: Sr. Dr. Elsa Tom, Dept. of Chemistry, Alphonsa College, Pala

Co-investigator: Dr. Benny P.J.

Funding Agency: STED, Govt. of Kerala

## English

Ongoing : 2

- Dr. Siby James: Rs. 4,88,400/-
- Dr. Joy Jacob : Rs. 30,000/-

## Hindi

Ongoing : 1

## Commerce

Ongoing : 1

“The social concern of cooperative hospitals in Kerala; with special reference to Thrissur District”  
by Prof. M.M Abraham

### **Economics**

Completed : One Minor Research Project  
Dr. Joy George - Rs. 90,000

## **10. Patents generated if any:**

### **Statistics**

Applied for one patent

### **Physics**

Applied for one patent

## **11. New collaborative research programmes:**

### **Statistics**

Four DST Major Projects (Co-investigators)

1. Dr. K.K. Jose, IRHPA project at CMS
2. Dr. K.K. Jose, DST-SERC Schools (2008-'12)
3. Dr. K.K. Jose, DST Undergraduate Training Program in Mathematical Sciences
4. Dr. Sebastian George, DST Major Project in Mathematical Chemistry

### **Chemistry**

*Dr. Sunny Kuriakose*

1. Institut für Organische und Makromolekulare Chemie, Johannes-Gutenberg University, Mainz, Germany
2. Research consultant of Riotech Industries, Kottayam, Kerala, a leading industry in the production of auto paste, putty and other adhesives

## **12. Research grants received from various agencies:**

### **Statistics**

UGC Innovative Programme : Rs. 3.10 lakhs (releasing)

DST-FIST Project : 3 lakhs (released)

UGC-Minor research projects: Rs.1.25 lakhs (released)

### **Physics**

Rupees One lakh fifteen thousand from UGC

### **Chemistry**

DST-FIST Project : Rs. 40 lakhs

UGC Major Project : Rs. 613000.00

DST Major Project : Rs. 1075000.00

DST Major Project : Rs. 276000.00

### **Biotechnology**

The Department being a Self Financing Department does not qualify for PG grants funding from UGC and such other agencies. However, 2 project proposals have been submitted to UGC

and Kerala Science and Technology Environment Council for funding. One Minor project with a funding of Rs 80,000/- has been awarded to Dr. Prakash Kumar B.

### Botany

1. Rs.2,00,000 – DST, Research project of Dr. Jomy Augustine
2. Rs.25,000 – UGC Minor Res. Project of Dr. Jomy Augustine
3. Rs.2,70,000 – KSCSTE Research project (SARD)
4. Rs.34,00,000 – DST - FIST

### Commerce

Rs. 42,500/- from UGC

### Economics

Rs.90,000 for Minor research project of UGC

## 13. Details of research scholars:

### Statistics

| Sl. No. | Name             | Full time/<br>Part time | Area of Research      | Supervisor       |
|---------|------------------|-------------------------|-----------------------|------------------|
| 1       | Jayamol K.V.*    | Full time               | Reliability Modelling | K.K. Jose        |
| 2       | Uma P. *         | Full time               | Distribution Theory   | K.K. Jose        |
| 3       | Shanoja R. Naik* | Full time               | Stochastic Modeling   | K.K. Jose        |
| 4       | Sreejith V.      | Part time               | Design of Experiments | Alex Thannippara |
| 5       | Dais George      | Part time               | Data Mining           | Sebastian George |
| 6       | Krishna E.       | Part time               | Order Statistics      | K.K. Jose        |
| 7       | Jane Luke        | Part time               | Quality Control       | K.K. Jose        |
| 8       | Bindu Abraham    | Part time               | Queuing Theory        | K.K. Jose        |
| 9       | Lishamol Tomy*   | Full time               | Stochastic Processes  | K.K. Jose        |
| 10      | B. Rameshan Nair | Part time               | Design of Experiments | K.K. Jose        |
| 11      | Ancy Joseph      | Part time               | Stochastic Modeling   | K.K. Jose        |
| 12      | Minnu Mathew     | Part time               | Quality Control       | Sebastian George |
| 13      | Aleyamma Mathew  | Part time               | Biostatistics         | K.K. Jose        |

\* Submitted Ph.D. Thesis for adjudication

### Physics

| Sl. No | Name              | Full time/<br>Part time | Area of Research    | Supervisor                             |
|--------|-------------------|-------------------------|---------------------|--|
| 1      | Michael Augustine | Full time               | Micro electronics   | Dr.Vincent Mathew /<br>Dr.Sunny Mathew |
| 2      | Gishamol Mathew   | Full time               | Quantum Electronics | Dr.Vincent Mathew                      |
| 3      | Anju Babu         | Full time               | Quantum Electronics | Dr.Vincent Mathew                      |
| 4      | George James      | Full time               | Quantum Electronics | Dr.Vincent Mathew                      |
| 5      | Saji Joseph       | Full time               | Quantum Electronics | Dr.Vincent Mathew                      |
| 6      | Jesly Jacob       | Full time               | Quantum Electronics | Dr.Vincent Mathew                      |
| 7      | Jolly Andrews     | Full time               | Quantum Electronics | Dr.Vincent Mathew                      |

## Chemistry

| Sl. No | Name of Research Guide | Area of Research   | No. of Ph.D students |
|--------|------------------------|--|----------------------|
| 1      | Dr.Sunny Kuriakose     | Nanochemistry, Supramolecular Chemistry, Organic Chemistry, Polymer Chemistry, Environmental Chemistry | 7                    |
| 2      | Dr.Jose K.Xavier       | Environmental Chemistry  | 2                    |
| 3      | Dr.G.D.Gem Mathew      | Polymer Chemistry& Technology, Rubber Technology   | 1                    |
| 4      | Dr.P.J.Benny           | Biotechnology  | 3                    |
| 5      | Dr.B.Prakashkumar      | Biochemistry, Biotechnology  | 1                    |
| 6      | Dr.K.M.Yeldho          | Biochemistry   | 2                    |
| 7      | Dr.Gigymol M.G         | Polymer Chemistry  | 1                    |

## Biotechnology

One research scholar is presently doing Ph.D programme.

**Mrs. Jenny Jose:** Dual inhibition of LOX & COX: Screening, Isolation and Purification of lead Compounds from Plants

## Botany

### 1. Mr. Biji Joseph

HSST, Higher Secondary School, Kothanelloor.

Guide : Rev. Dr. Mathew M.M.  
Topic : *Ontogenic Studies of Black Pepper*  
Date of Joining : 31-8-2005

### 2. Ms. Anice Thomas, Lecturer, Sel. Grade, Deva Matha College, Kuravilangad

Guide : Dr. P.O. Augusthy  
Topic : Utilization of latex coagulating factory effluents and its effect on the growth of selected crop plants  
Date of Joining : 12-8-2005

### 3. Mr. Salvy Thomas, Guest lecturer, Department of Botany, SB College, Changanacherry

Guide : Dr. Stephan Joseph  
New Man College, Thodupuzha  
Date of joining : 24 -2 - 2006

### 4. Ms. Smitha S. Nair, Scientist, MS Swaminathan Research Foundation, Chennai

Guide : Dr. Jomy Augustine  
Topic : Systematic Revision and Conservation  
Biology of Myristicaceae of Kerala  
Date of Joining : 4-12-2006

### 5. Mr. Mathew M. Kuriakose, HSST, St. Mary,s HSS, Plassanal

Guide : Dr. Jomy Augustine

Topic : Floristic diversity of Vagamon Hills, Kerala  
6. **Mr. Sreejesh KR**, Govt. HSST, Pathinaramkandam, Idukki Dt.

Guide : Dr. Jomy Augustine

Topic : Ethnomedicinal plants of Idukki District.

Date of Joining : 18-5-2008

7. **Mr. Shal Chandran**, St. Thomas College, Pala

Guide : Dr. P.O. Augusthy

Topic : Utilization of latex coagulating factory effluents and its  
effect on the growth of selected crop plants

Date of Joining : 18-5-2008

### English

| Sl. No. | Name                        | Full time/ Part time | Supervisor              |
|---------|-----------------------------|----------------------|-------------------------|
| 1       | S. Abhilash Mathew          | F.T.                 | Dr. Mathew Joseph       |
| 2       | Anju K.N.                   | P.T.                 | - do -                  |
| 3       | V.R.N. Kokila               | F.T.                 | Dr. Mathew Joseph       |
| 4       | Rekha Mathews               | P.T.                 | - do -                  |
| 5       | Sophia James                | F.T.                 | - do -                  |
| 6       | Lalitha Joseph              | F.T.                 | Dr. Augustine Joseph    |
| 7       | Sonia James                 | F.T.                 | - do -                  |
| 8       | Babu K.T.                   | P.T.                 | - do -                  |
| 9       | Vincent Aerathu             | P.T.                 | Dr. P.J. George         |
| 10      | Litty Joseph                | F.T.                 | - do -                  |
| 11      | Aswathy Balachandran        | P.T.                 | - do -                  |
| 12      | Asha John                   | F.T.                 | Dr. T.T. Thomas         |
| 13      | Robin Xavier                | P.T.                 | Dr. T.J. Abraham        |
| 14      | Jaison Davis                | F.T.                 | - do -                  |
| 15      | Benoy Kurian<br>Mylampampil | P.T.                 | - do -                  |
| 16      | V.M. Jose                   | P.T.                 | Dr. H. Sadasivan Pillai |
| 17      | Joseph M.J.                 | P.T.                 | - do -                  |
| 18      | Indu K.S.                   | P.T.                 | - do -                  |
| 19      | Saroj V. Haridas            | P.T.                 | - do -                  |
| 20      | Sonia Sebastian             | P.T.                 | Dr. Siby James          |
| 21      | Sherly George               | F.T.                 | Dr. Jessy Maria         |
| 22      | Suja Rani Mathew            | P.T.                 | Dr. Mathew Joseph       |
| 23      | Dominic K.V.                | P.T.                 | Dr. George Justine V.   |
| 24      | Franci Mathew               | P.T.                 | Dr. Siby James          |
| 25      | Litty Lilly Francis         | F.T.                 | Dr. T.J. Abraham        |
| 26      | Jose Joseph                 | P.T.                 | Dr. Mathew Joseph       |
| 27      | Sheeba V. Issac             | F.T.                 | - do -                  |

## Hindi

| Sl. No. | Name                     | Full time/ Part time | Supervisor          |
|---------|--------------------------|----------------------|---------------------|
| 1       | Anish Cyriac             | P. T                 | Dr. C K James       |
| 2       | Sr. Marritte A Therattil | P.T.                 | - do -              |
| 3       | A Ramani Ammal           | P.T.                 | -do-                |
| 4       | SantyJoeph               | F.T.                 | Dr. Georgekutty V V |
| 5       | Chandralekha P           | F.T.                 | - do -              |
| 6       | Shija Grace              | F.T.                 | -do-                |
| 7       | Soosan Alex              | P .T                 | Dr. K. M Mathew     |
| 8       | Rajeemole C R            | F.T.                 | -do-                |
| 9       | Neerada Maria Kurian     | F.T.                 | - do -              |
| 10      | Nisha S Nair             | F.T.                 | -do-                |
| 11      | Rejani V A               | F.T.                 | - do -              |
| 12      | Dhanya Sadanandan        | F.T.                 | - do -              |
| 13      | Preethi R                | F.T.                 | -do-                |
| 14      | Sobhitha Sebastian       | F.T.                 | Dr. Mathew Thomas   |
| 15      | Rani Antony              | F.T                  | -do-                |
| 16      | Sr. Kochurani Joseph     | F .T                 | -do-                |

## Commerce

| Sl. No. | Name                  | Full time/ Part time | Supervisor           |
|---------|-----------------------|----------------------|----------------------|
| 1       | Deepu Jose Sebastian  | P.T.                 | Dr. Tharsis Joseph   |
| 2       | Thomas V.P            | P.T.                 | - do -               |
| 3       | Joseph V.J            | P.T.                 | - do -               |
| 4       | Kuriachan George      | P.T.                 | - do -               |
| 5       | Anup J. Alackappally  | P.T.                 | - do -               |
| 6       | Priya Mariyat         | P.T.                 | - do -               |
| 7       | Deepa Mathew          | P.T.                 | - do -               |
| 8       | Tomy Jose C           | P.T.                 | Dr. M. Sarangadharan |
| 9       | Paul V.A              | P.T.                 | - do -               |
| 10      | K.C. Abraham          | P.T.                 | Dr. Stephen A.       |
| 11      | Mr. Gladwin Thomas    | F.T.                 | Dr. V.V. Georgekutty |
| 12      | Ms. Biji Jose         |                      | - do -               |
| 13      | Prof. Johnson Andrews | P.T.                 | -do-                 |
| 14      | Mr. Joji Mathew       | P.T.                 | - do -               |
| 15      | Ms. Nisha Mary Jose   | P.T.                 | - do -               |
| 16      | Mary Michael          | P.T.                 | Dr. K.V Thomas       |

### Political science

| Sl. No. | Name of the scholar | Full time / Part time | Guide             |
|---------|---------------------|-----------------------|-------------------|
| 1       | T.J. Simon          |                       | Dr. Cyriac Thomas |
| 2       | Roy Varghese        |                       | Dr. Cyriac Thomas |
| 3       | S.D. Sathesan Nair  |                       | Dr. Cyriac Thomas |
| 4       | Binds Kurian        |                       | Dr. V.V. Varghese |
| 5       | Tomy Joseph         |                       | Dr. M.M. Mathew   |
|         |                     |                       |                   |
| 7       | Babu Antony         |                       | Dr. M.M. Mathew   |
| 8       | Joykutty T          |                       | Dr. M.M. Mathew   |
| 9       | Shaji John          |                       | Dr. M.M. Mathew   |
| 10      | M.M. Mathai         |                       | Dr. M.M. Mathew   |
| 11      | Rony K. Baby        |                       | Dr. M.M. Mathew   |
| 12      | Shiji George        |                       | Dr. P.M. Thomas   |
| 13      | Bijukumar VA        |                       | Dr. P.M. Thomas   |
| 14      | Muhammed Russey     |                       | Dr.M.M Mathew     |

### 14. Citation index of faculty members and impact factor:

#### Statistics

Average: 0.8

#### Physics

Average: 2, 1.2

#### Chemistry

Average: 1.2

### 15. Honors and Awards to the faculty:

#### Statistics

- i. Dr. Seemon Thomas was nominated to the Core Committee on Bioinformatics under M.G. University to prepare the U.G. / P.G. syllabus, and suggest necessary modifications in the existing syllabus.
- ii. Dr. K.K. Jose was nominated as a member of the P.G. Board of Studies in Statistics of Kannur University.
- iii. Dr. K.M. Kurian was appointed as Chairman, UG BOS in Statistics
- iv. Dr. Benny Kurian was nominated as Treasurer, Wise Men's club
- v. Dr. Sebastian George was selected as State Resource Person in Statistics and also the Best NCC Officer in the Kottayam Battalion.

#### Botony

**Dr. Jos T. Puthur:** Awarded TWAS Research Grant under the category; award for high-level and promising scientific research projects carried out by individual scientists in developing countries.

#### English

Prof. Cherian Vadakkekunnel recognized as Head Trainer of Junior Chamber International.

## Economics

- Dr. Joy George was awarded doctorate in economics on the study of The socio economic impact of job reservation.
- Dr. K.K. John was nominated as member of the UG Board of studies in Economics.

## Physical Education

Mr. Ashish Joseph served as the member of the M.G. university selection committee for selection of athletes to represent the university in events like Swimming, water polo, Kabaddi, Volleyball etc

### 16. Internal resources generated:

## Statistics

Seminars/Conferences: Rs.1.20 lakhs

Consulting Services: Rs.40,000/-

## Chemistry

Consulting Services: Rs.20,000/-

## Biotechnology

The Department offers Self-financing courses only. Following facilities have been introduced in the Department utilizing the funds raised internally.

- i. Microbiology laboratory
- ii. Molecular Biology laboratory
- iii. Plant tissue culture laboratory
- iv. Biochemistry and Enzymology laboratory
- v. Animal Cell culture laboratory

The Department provides Microbial analysis of drinking water for the benefit of the public. A fee of Rs. 275 is charged from the beneficiaries. Instrumentation facilities available include:

- Thermocycler (Eppendorf) - 01
- Phase contrast & inverted microscope with photographic attachments (Leica) – 01 each
- Gel documentation system (Biotech) -01
- UV transilluminator
- UV – Visible Spectrophotometer (Shimadzu) – 01
- Visible Spectrophotometers (EI) – 02
- Colorimeters - 02
- Laminar flow chambers - 03
- Bacteriological incubator - 01
- Incubator with shaker - 01
- BOD incubator - 02
- Electrophoresis unit for
- Poly Acrylamide Gel Electrophoresis
  - Mini unit –01
  - Midi Unit -01
- Agarose Gel Electrophoresis – 02
- Digital Colony Counter - 01



- Carbon dioxide incubator (Yorco) -01
- Bacterial strains for antibiotic sensitivity tests
- Refrigerated Centrifuge (Remi) -01
- pH meter
- Deep Freezer (-20°C)
- Autoclave
- Double Distillation Unit

## Commerce

Com arena receipts Rs.67, 267/-

Commerce Forum receipts Rs.6500/-

## 17. Details of departments getting SAP, COSIST / DST. FIST, etc. assistance / recognition:

### Statistics

The Department is selected for DST-FIST support (2003-2008), UGC Innovative Programme (2005-2010)

### Chemistry

The Department is selected for DST-FIST support (2008-2013)

### Botany

DST sanctioned Rs.40.5 lakhs for the development of the Department. The fund is to be utilized over a period of 5 years.

## 18. Community Services:

### Statistics

Dr. K.K. Jose is the Joint Treasurer of St. Vincent De Paul Society, Palai CC and PTA President of Alphonsa College, Palai. Dr. Benny Kurian serves as Secretary/Treasurer of various clubs like Wise Mens, Rotary International, YMCA etc. and is involved in various community services. Dr. Alex Thannippara is General Secretary of Fr. T.C. Joseph Thannippara Trust for Education.

### Physics

Prof. M.P Mathai, actively participated in the anti narcotic drive and also in a move for helping poor people. Prof Raju Mathew T. served the college community as secretary of St. Thomas college Co-operative Society.

### Chemistry

Prof. C. J. John, actively participated in the anti narcotic drive and also in the move for helping poor people. Prof. Jogy Alex is the PTA President of Chavara International Public School, Palai.

### Biotechnology

The department in collaboration with the NSS unit of the College conducted many programmes for the students

- The Department organized a training programme for women in Mushroom cultivation in collaboration with Kudumbasree Unit

- The Department provides research assistance to Pala Municipality in assessing the levels of microbial contamination of water in Meenachil River.

## Botany

### a) *Seminars / workshops*

1. Seminar on Global warming was conducted in collaboration with Centre for Environment and Development (CED), Government of Kerala on 6-2-09. Conducted an expedition along the bank of Meenachil River to make the people aware of the importance of conserving fresh water rivers. A group of 150 people including the students of this department participated in the programme.

### b) *Radio talks*

1. *Vanangalile jaivavaividhyam* at Thiruvananthapuram AIR
2. *Global warming* at Thiruvananthapuram AIR on 24-3-09

## English

- Prof. Cherian Vadakkekunnel served as an active member and Head Trainer of Junior Chamber and YMCA. He is Director of Career and Placement Cell which provides career consultancy outside the college also.
- Prof. Thomas Augustine is Treasurer of Alumni Association which makes substantial contribution to community development.
- Prof. Franci Mathew is the PTA President of Carmel Public School, Pala.
- Prof. P.J. Johnson is Joint Secretary of UPASANA, A Centre for Religio-Cultural Integration, Thodupuzha.

## Hindi

Prof. C K James is Treasurer of Alumni Association which makes substantial contribution to community development.

## Commerce

- Prof. M. M. Abraham is the President of Poovarani Service Cooperative Bank
- Dr. K. V. Thomas is a certified Career Counselor.
- Dr. V. V. Georgekutty is a member of the Senate of M. G. University, Kottayam; Coordinator of the IGNOU Study Centre; and President of the St. Thomas College Staff Cooperative Society.

## Economics

Dr Joy George is the PTA president at Alphonsa High school Bharananganam.

## History

Rev. Dr James John is appointed as the warden of the College hostel.

## 19. Teachers and officers newly recruited:

### Statistics

Ms. Amrutha Jose - Biostatistics

### Physics

One new faculty Dr. Ginson P. Joseph appointed

### Chemistry

One new teacher : Mr. Thomas V. Mathew

## **Botany**

One new teacher : Dr. Johns Augustine

## **Malayalam**

Two new teachers : Dr. Thomas Scaria and Mr. Sojan Pullatu

## **Commerce**

One: Mr. Bobby Simon, M.Com, M. Phil was recruited during the year (06-11-2008)

## **Economics**

Mr. Thomas Mathew and Xavier Kurian P (Guest faculty)

## **History**

Mr. Sabu Augustine and Ms.Divya Bhaskaran (Guest faculty)

## **Political Science**

One new teacher Mr.Sijo K.Manuel

## **Physical Education**

One new teacher- Mr. Ashish Joseph

## **IGNOU**

One new teacher- Mr. P.J Sebastian, M.Com (Guest Faculty)

## **20. Teaching – Non-teaching staff ratio:**

|                    |   |       |
|--------------------|---|-------|
| STATISTICS         | : | 10:01 |
| PHYSICS            | : | 09:03 |
| CHEMISTRY          | : | 10:05 |
| BIOTECHNOLOGY      | : | 04:01 |
| BOTANY             | : | 07:02 |
| ZOOLOGY            | : | 03:01 |
| ENGLISH            | : | 13:01 |
| MALAYALAM          |   |       |
| HINDI              | : | 06:01 |
| GERMAN             | : | NA    |
| SYRIAC             | : | NA    |
| COMMERCE           | : | NA    |
| ECONOMICS          | : | NA    |
| PHYSICAL EDUCATION | : | 02:01 |

## **21. Improvements in the library services:**

### **Statistics**

New books purchased. Library time extended from 8.00 am to 6.00 pm.

### **Physics**

250 new books were added to the Physics section of the Library.

### **Chemistry**

The Department encourages the faculty and students to make use of all the books and journals on Chemistry and related subjects available in the library. The Department regularly makes arrangements for the purchase of latest edition books on Chemistry.

## 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.

## Botany

Books worth of Rs. 42,000 purchased in the general library.

## English

Library time extended (from 8 am to 6 pm). New books purchased.

## Hindi

Library time extended (from 8 am to 6 pm). New books purchased.

## Economics

Library time extended (from 8 am to 6 pm). The Department took initiative for the purchase of latest edition books in the general library.

## History

Library time extended (from 8 am to 6 pm). More books purchased.

## Political Science

The library time has been extended. More books purchased.

## 22. New books/ Journals subscribed and their value:

### Statistics

Books worth Rs.1.75 lakhs purchased.

### Chemistry

The following is the list of textbooks Chemistry recommended by the Department and purchased by the College Library during the year 2008-'09. The books cost Rs.30,000.

| Sl. No. | Author   | Title   | Publisher  |
|---------|----------|---|------------|
| 1.      | Tyagi    | Chemical Kinetics   | Discover   |
| 2.      | Voet     | Fundamentals of Biochemistry                                | John Wiley |
| 3.      | Dodziuk  | Introduction to Supramolecular Chemistry                    | Springer   |
| 4.      | Miller   | Advanced Organic Chemistry                                  | Pearson    |
| 5.      | Hoffman  | Mass Spectrometry : Principles and Applications             | John Wiley |
| 6.      | Carey    | Advanced Organic Chemistry Part B                           | Springer   |
| 7.      | Wyatt    | Organic Synthesis Strategy                                  | John Wiley |
| 8.      | Singh    | Photochemistry and Pericyclic Reactions                     | New Age    |
| 9.      | Engel    | Physical Chemistry  | Pearson    |
| 10.     | Chattop  | Reactions, Mechanisam & Problems in Organic Chemistry       | Asian      |
| 11.     | Rama Rao | Principles of Organic Medicinal Chemistry                   | New Age    |
| 12.     | Atkins   | Instructor's Solution Manual to Accompany Organic Chemistry | Oxford     |

|     |              |   |                  |
|-----|--------------|---|------------------|
| 13. | Goel         | Surface Chemistry                                     | Discover         |
| 14. | Willis       | Organic Synthesis                                     |                  |
| 15. | Michael      | Organic Stereochemistry                               | Oxford           |
| 16. | Atkins       | Physical Chemistry                                    | Oxford           |
| 17. | Mohd Ali     | A Textbook of Pharmaceutical Organic Chemistry        | CBS              |
| 18. | Jagdeep      | A Textbook of Physical Chemistry Vol. 1               | Macmillan        |
| 19. | Jagdeep      | A Textbook of Physical Chemistry Vol. 2               | Macmillan        |
| 20. | Jagdeep      | A Textbook of Physical Chemistry Vol. 3               | Macmillan        |
| 21. | Jagdeep      | A Textbook of Physical Chemistry 4                    | Macmillan        |
| 22. | Jagdeep      | A Textbook of Physical Chemistry Vol. 5               | Macmillan        |
| 23. | Cotton       | Advanced Inorganic Chemistry 6/E                      | John Wiley       |
| 24. | Raman        | Computers in Chemistry                                | Tata McGraw Hill |
| 25. | Brouard      | Reaction Dynamics                                     | Oxford           |
| 26. | Parikh       | Name Reactions in Organic Synthesis                   | Cambridge        |
| 27. | Kalsi        | Bioorganic, Bioinorganic and Supramolecular Chemistry | New Age          |
| 28. | Williams     | Spectroscopic Methods in Organic Chemistry            | Tata McGraw Hill |
| 29. | Huheey       | Inorganic Chemistry                                   | Pearson          |
| 30. | Atkins       | Inorganic Chemistry                                   | Oxford           |
| 31. | Jack         | Name Reactions : A Collection of Details              | Springer         |
| 32. | Valcarcel    | Principles of Analytical Chemistry                    |                  |
| 33. | Pulford      | Environmental Chemistry at a Glance                   |                  |
| 34. | Tsukerblat   | Group Theory in Chemistry and Spectroscopy            |                  |
| 35. | Lewars       | Computational Chemistry                               |                  |
| 36. | Reddy        | Bioinorganic Chemistry                                |                  |
| 37. | Stanforth    | Natural Products Chemistry at Glance                  |                  |
| 38. | Eames        | Stereochemistry at a Glance                           |                  |
| 39. | Nogrady      | Medicinal Chemistry                                   |                  |
| 40. | Budhiraja    | Separation Chemistry                                  |                  |
| 41. | Raman        | Molecular Spectroscopy                                |                  |
| 42. | Malone       | Bioinorganic Chemistry - A Short Course 2/E           |                  |
| 43. | Ahluwalia    | Chemistry of Natural Products                         |                  |
| 44. | Chakrabarthy | Heterogeneous Catalysis                               |                  |
| 45. | Sharpe       | Inorganic Chemistry                                   |                  |
| 46. | Ahluwalia    | Medicinal Chemistry                                   |                  |
| 47. | Engel        | Thermodynamics, Statistical Thermodynamics & Kinetics |                  |

## Biotechnology

Thirty Books Purchased

## English

A total of 162 new books purchased.

## **Hindi**

A total of 115 new books purchased and 10 journals subscribed.

## **Commerce**

A total of 101 new books subscribed; costing Rs. 31,452.

## **Economics**

Books worth Rs. 1 lakh purchased.

## **History**

Books worth Rs. 25000 purchased.

## **Political Science**

Books worth Rs. 20000 purchased.

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

### **Statistics**

For all courses student assessment is introduced and teachers are encouraged to improve their performance in accordance with the expectations of the students.

### **Physics**

Students' assessment of teachers collected and evaluated by every teacher.

### **Chemistry**

The department collects feedback from teachers and students of both UG and PG programmes. The suggestions of the students and teachers are presented in the workshops for curriculum revision. After each examination, the students are asked to give in writing the suggestion about the question pattern, topic-wise distribution of questions. Performance of teachers, etc.

### **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 to make a clear and honest analysis of the teachers' performance.

### **Botany**

A detailed questionnaire is designed on this regard. Feedback from students is collected using the questionnaire. Suggestions are discussed in the departmental meetings and selected recommendations are implemented.

### **English**

In all programmes students' assessment was introduced and teachers take individual and collective effort to implement their suggestions through class tests, special classes, remedial teaching, etc.

### **Hindi**

In all programmes students' assessment was introduced and teachers take individual and collective effort to implement their suggestions.

## **Commerce**

In both B.Com and M.Com programmes student assessment was introduced and teachers take individual and collective effort to implement student suggestions through class tests, special classes, remedial teaching etc.

## **Economics**

In all courses students' assessment is introduced and teachers are advised to take their suggestions positively.

## **History**

In all courses students' assessment is introduced. Teachers take keen interest in implementing their suggestions for improvement.

## **Political Science**

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

## **Physical Education**

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

## **24. Unit cost of Education**

### **Statistics**

Unit cost of education is Rs.32000 per student.

### **Chemistry**

Unit cost of education is Rs.32000 per student.

### **Biotechnology**

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

### **English**

Unit cost of education is Rs.32000 per student.

### **Economics**

Unit cost of education is Rs.32000 per student.

## **25. Computerization of administration and Process of admissions and examination results, issue of certificates:**

The process of admission is as stipulated by the University. Conduct of examination and declaration of results of each semester is also done by the university. The Departments do not have any flexibility in these matters.

Once admission is over the student profile and progression is all documented and updated regularly. The overall administrative functioning is also to a good extent computerized. Maintenance of accounts and other activities are also computerized. The administrative office of the college and all departments in the college are partly computerized and automated. The process of admission, examination and issue of certificate are also computerized.

## **26. Increase in infrastructure facilities**

### **Statistics**

Necessary improvements have been made to the infrastructural facilities.

### **Biotechnology**

The establishment of Animal Cell culture laboratory was an important event in the development of facilities in the department. The department purchased advanced instrumentations such as Thermocycler, CO<sub>2</sub> incubator, and Inverted and Phase contrast microscopes.

### **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 set up.
4. A separate herbarium has been built
5. A Smart Seminar hall with modern audiovisual equipments is organized.
6. A fully equipped mist chamber and green house is built.
7. A fully equipped Audiovisual and recording room with sound proof cabin was developed. Two video cameras and computers were purchased in the department. Two documentary films were produced by using these facilities.

- Sunderbans
- Vagamon

8. New Equipments purchased includes the following:-
  - HPLC – Rs. 12,00,000
  - Gel Doc - Rs. 2,50,000
  - Rotavaporator - Rs. 4,50,000
  - UV-VIS Spectro - Rs. 6,00,000
  - Deep freezer (-80<sup>0</sup>C) - Rs. 2,50,000
  - Incubator - Rs. 2,50,000
  - Flame photometer - Rs. 75,000
  - GPS - Rs. 20,000

## **27. Technology up gradation**

### **Statistics**

PC's were repaired and upgraded.

### **Physics**

All instruments were repaired and upgraded

### **Chemistry**

All instruments were repaired and upgraded

### **Biotechnology**

The introduction of a Certificate Course in Bioinformatics made it necessary to improve the installed technology. The students are getting an opportunity to make use bioinformatics software. This is with the support of the Department of Biostatistics.



## **English**

More computers installed. LCD projector introduced.

## **Hindi**

More computers installed. LCD projector introduced.

## **Commerce**

More computers installed. LCD projector introduced. Students and Teachers have access to computers and internet connectivity available in the Department, library and at the computer centre.

## **Economics**

Computers were repaired and LCD projector purchased.

## **Political science**

Broadband facility is made available in the department.

## **IGNOU**

Established a computer centre with ten computers one LCD Projector and one printer cum photo copier

## **28. Computer and internet access and training to teachers and students**

### **Statistics**

All teachers and students in the Department are provided with free internet facilities and computer. Our faculty and students make use of all these facilities. Students typeset their project reports in Latex mathematics software.

### **Chemistry**

All teachers and students in the Department are provided with free internet facilities and computer use. Our faculty and students make use of all these facilities.

### **Biotechnology**

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

### **Botany**

The department has a computer room with three computers. Students are given free access to computers. Internet facility is also available.

### **English**

All teachers and students of the Dept. are provided with Internet facility.

### **Commerce**

All teachers and students of the Dept. are provided with Internet facility. All the students both at the PG and UG levels are given compulsory training in computer operations.

### **Political Science**

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

### **Physical Education**

All teachers in the department are provided with free internet facilities and computer use.

## IGNOU

The newly established computer centre and internet connectivity is open to all students and teachers.

## 29. Financial aid to students:

### Statistics

- KPCR Scholarship – 12 (full fee concession)
- UGC Merit Scholarship for Rank holders – 2 (40000 X 2 = Rs.80000)

### Chemistry

- KPCR Scholarship

### Biotechnology

- Apart from University Scholarships available to Meritorious students, the Department encourages the students to apply for the UGC sponsored Indira Gandhi fellowship for Single Girl Child and such other fellowships available. Selected students are given merit scholarships sponsored by PTA. The College supports the students to take out education loans from banks.

### Botany

KPCR scholarships, PTA scholarships and other scholarships instituted at the College and Department levels are available to students.

### English

- KPCR scholarship – 24 (Full fee concession)
- PTA Merit Scholarship for rank holders – 1
- PTA Scholarship – 5
- Indira Gandhi Scholarship for single girl child – 3
- Endowments – 3

### Hindi

- KPCR scholarship – (Full fee concession)
- PTA Merit Scholarship for rank holders – 1
- PTA Scholarship – 2
- Endowments – 2

### Commerce

| <b>K P C R Scholarship</b>         |                        |               |
|------------------------------------|------------------------|---------------|
| <b>Class</b>                       | <b>No. of Students</b> | <b>Amount</b> |
| III B. Com                         | 5                      |               |
| II .B. Com                         | 8                      |               |
| I B. Com                           | 8                      |               |
| II M. Com                          | 6                      |               |
| I M.Com                            | 3                      |               |
| <b>Total (Rs. 660 per student)</b> | <b>30</b>              | <b>19800</b>  |

| <b>Special Scholarship for OBC/ST/SC Students</b>        |           |               |
|--|-----------|---------------|
| III B. Com   | 8         |               |
| II .B. Com   | 13        |               |
| I B. Com   | 12        |               |
| II M. Com  | 4         |               |
| I M.Com  | 3         |               |
| <b>Total</b> (Rs.475 per student per month for10 months) | <b>40</b> | <b>190000</b> |

### **Economics**

- KPCR Scholarships: 35 ( full fee concessions)
- Merit Scholarships: 1

### **History**

- KPCR Scholarships: 15 ( full fee concessions)
- Merit Scholarships: 1

### **Political Science**

KPCR Scholarship is available to students. A sum of Rs.5000/- has been set apart by the department as financial assistance to the poor and needy students.

Awards and scholarships

- Bishop Vayalil Scholarship – Top scorer in MA Politics examination
- Fr. Joseph Kinattukara cash award – Student who gets highest marks in BA Politics Examination
- Dr. Cyriac Thomas Endowment Scholarship – Top scorer in final BA Politics
- Vayalikalappura Endowment Scholarship – Top scorer in Final MA Politics.

### **Physical Education**

Outstanding athlete with meritorious performance is provided with free boarding and lodging.

## **30. Activities and Support from the Alumni Association:**

### **Statistics**

Alumni actively take part in the functioning of the department. They sponsored a quiz competition to be held every year, in the name of late Prof. K. Ramakrishna Pillai.

### **Chemistry**

Alumni Association is active. Prof. T. M. Jose is the Secretary of the Alumni Association

### **Zoology**

Alumni meeting of the 1989-1992 batch was conducted on December 8, 2008. All the teachers, including the retired teachers, and 25 students out of 27 in the batch were assembled for a one day programme.

### **English**

The Alumni give active support to all activities of the Dept. They contributed several educational CDs (based on novels recommended for study) and books.

## Hindi

The Alumni gave active support to all activities of the Dept. They contributed several educational CDs and books.

## Commerce

The Alumni gave active support to all activities of the Dept. The department supports batch-wise gathering of students. Four batch-wise meetings were conducted on 13<sup>th</sup> April, 1<sup>st</sup> May, 26<sup>th</sup> and 28<sup>th</sup> December 2008.

### 1. Prof. John Zacharias Endowment Scholarship

This endowment instituted by the Alumni is intended to acknowledge the top outgoing students in M.Com. and B.Com programmes every year. In this year the following students were selected for the scholarship:-

|         |                   |                  |          |
|---------|-------------------|------------------|----------|
| M. Com. | 1 <sup>st</sup> – | Pradeep T.       | Rs. 1000 |
|         | 2 <sup>nd</sup> - | Ancy Varghese    | Rs. 750  |
|         | 3 <sup>rd</sup> - | Nijin Jacob      | Rs. 500  |
| B. Com. | 1 <sup>st</sup> – | Jyothishkumar V. | Rs. 750  |
|         | 2 <sup>nd</sup> – | Alphy Kurian     | Rs.500   |

### 2. Prof. K. Philip John Memorial Academic Foundation

This foundation was instituted by the Commerce Department with the support of alumni in honour of late Prof. K. Philip John , former HOD of Commerce. The family members of Prof. K. Philip John also contributed considerable amount to this activity. The foundation organized several curricular and co-curricular activities during the year 2008-09.

#### *Career Guidance Seminar*

Under the auspices of the Foundation, a career guidance seminar was conducted for the B,Com. students at the Library Hall on 29<sup>th</sup> September 2008. The Seminar was inaugurated by the Principal Rev. Dr. Mathew John Kokkat. Mr. K.C. Siby FCA was the chief resource person.

#### *Accounting Awareness Seminar*

The Foundation organized a seminar on accounting awareness for the students of Commerce at the Library Hall on 13<sup>th</sup> October 2008. Mr. Ciby Thodupuzha FCA was the chief resource person.

#### *Panel Discussion*

The Foundation organized a panel discussion on “The impact of economic recession on the Co-operative sector in Kerala” on 23<sup>rd</sup> January 2009 in the college auditorium. Principal Rev. Dr. Mathew John K. inaugurated the programme. Adv.Joy Naduckara Ex. MP, President, Meenachil Rubber Marketing and Processing Co-operative Society Limited presented a paper on the topic. Prof. K. K. Abraham, President, Pala Marketing Co-operative Society, Mr. E.J. Augusthy, President, Agricultural Development Bank, Pala, Adv. George C. Kappen, President, Kizhathadiyoor Service Co- operative Bank Limited talked on the various aspects of present economic recession and its impact on the co-operative sector in Kerala. Mr. Johnson Pullickeel, Chairman, Meenachil Taluk Circle Co-operative Union was the moderator. Prof. M.M. Abraham Secretary of the foundation welcomed the gathering and Dr. K.V. Thomas Jt. Secretary of the foundation expressed words of thanks. The students and teachers of the departments of Commerce, Economics and Politics participated in this programme.

## **Economics**

Alumni are active in supporting the departmental activities.

## **Political Science**

The department has a very active alumni association. The association members meet once or twice in year

## **Physical Education**

The alumni association has a separate alumni forum for sports and they have instituted Prof Jose Kokkad memorial endowment for the outstanding sports person of the year.

## **31. Activities and Support from the Parent-Teacher Association**

### **Statistics**

PTA is also active. At least 2 meetings are held in a year.

### **Physics**

PTA meeting is held for all the classes.

### **Chemistry**

After every internal examination, we arrange 'Meet the parents programme' for all classes

### **English**

The PTA has given financial support to weak students. They met two times a year.

### **Hindi**

The PTA has given financial support to weak students. Alumni as well as former teachers of the department meet frequently.

### **Commerce**

The department arranged parents' meets on 8<sup>th</sup> August 2008 and 13<sup>th</sup> February 2009 for II B.Com students. Parents' meets of I and III B.Com students were held on 13<sup>th</sup> February and 23<sup>rd</sup> January 2009 respectively.

### **Economics**

PTA is active and regular meetings at the class level and college level are organised.

### **Political Science**

Parent Teacher Association, University and Government provide adequate encouragement in the form of scholarship, financial assistance, free boarding and loading etc. At least two meetings are held in a year

### **Physical Education**

The parent teachers association provides whole hearted support for the development of sports and games in the college. Apart from the boarding charges of the students, merit award is given by the PTA to the Best Sportsperson and Best athlete annually.

### **IGNOU**

Conduct PTA meeting twice in a year.

## **33. Health Services**

### **Statistics**

Health Orientation classes, free medical checkups and eye testing camps were organized.

## **Chemistry**

Health Orientation classes, free medical checkups and eye testing camps were organized.

## **English**

Health Orientation classes were organized and nursing care provided to students.

## **Hindi**

Health Orientation classes were organized and nursing care provided to students.

## **Commerce**

Health Orientation classes were organised. The Blood donation cell of the college is coordinated by one of the commerce faculty, Prof. K.V John. It gives opportunity to students and teachers to give the most valuable health/social service.

## **Economics**

At the college level Health orientation classes, free medical facilities blood group detection camps are arranged.

## **History**

At the college level Health orientation classes, free medical facilities blood group detection camps are arranged.

## **Political Science**

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 our students

## **34. Performance in Sports activities:**

### **Statistics**

The students of the college perform excellently in sports and games at University, State, National and International levels.

### **Chemistry**

Mr. Vipin Francis, B.Sc. student of the Department perform excellently in athletics at University, State and National levels.

### **English**

The College teams (wrestling, basket ball, and athletics) won several matches at University, State and National levels.

### **Hindi**

The College teams (wrestling, basket ball, and athletics) won several matches at University, State and National levels.

### **Commerce**

**Jishnu G Pillai - III B.Com**

- i. 2<sup>nd</sup> prize in Junior state athletics championship, Ernakulam
- ii. 2<sup>nd</sup> prize in interclub athletic meet, Ernakulam
- iii. Participated in the south zone athletics meet, Coimbatoor
- iv. Participated in intercollegiate athletics meet, Chennai

**Robin Jose - III B.Com**

- i. 1<sup>st</sup> (record) prize in University Power lifting
- ii. 2<sup>nd</sup> prize in university body building championship

- iii. Participated in all India inter university championship
- iv. 2<sup>nd</sup> prize in state junior power lifting.

### **Economics**

The students of the department and college perform well in the university, state and National level items.

### **History**

The students of the department and college perform well in the university, state and National level items.

### **Political Science**

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**

#### **A) PERFORMANCE AT ALL INDIA INTER-UNIVERSITY AND NATIONAL LEVEL COMPETITIONS.**

| Sl. No | Name          | Event      | Date &venue                                       | Performance   |
|--------|---------------|------------|---|---------------|
| 1      | Bineesh Jacob | Pole Vault | December 2008<br>Maharajas College Ernakulam, Aiu | Gold<br>(Nmr) |
| 2      | Raneesh V.V   | Decathlon  | December 2008<br>Maharajas College Ernakulam,Aiu  | Silver        |
| 3      | Raneesh V.V   | Pole Vault | December 2008<br>Maharajas College Ernakulam,Aiu  | Silver        |
| 4      | Jiby Peter    | 4x100      | December 2008<br>Maharajas College Ernakulam,Aiu  | Gold          |
| 5      | Joseph M.G.   | 4x100      | December 2008<br>Maharajas College Ernakulam,Aiu  | Gold          |
| 6      | Manu Mathew   | 4x400      | December 2008<br>Maharajas College Ernakulam,Aiu  | Silver        |
| 7      | Antony Jose   | Pole Vault | Sz Junior National                                | Gold          |
| 8      | Arun S.       | Volleyball | Youth National,<br>Angamaly, Kerala , Jan 09      | Winner        |
| 9      | Raneesh V.V   | Decathlon  | Federation Cup Athletics,                         | Silver        |

#### **B) PERFORMANCE OF THE COLLEGE AT THE M.G.UNIVERSITY INTER COLLEGIATE COMPETITIONS**

This year we fielded teams in 17 events in the intercollegiate championships.

| Sl.No | Event         | Venue                 | Performance   |
|-------|---------------|-----------------------|---------------|
| 1     | Cross Country | Alphonsa College Pala | Winner        |
| 2     | Kabaddi (M)   | S.N.M.Maliankara      | Winner        |
| 3     | Swimming      | Stc Pala              | Runner Up     |
| 4     | Water Polo    | Stc Pala              | Runner Up     |
| 5     | Athletics     | Maharajas Ernakulam   | Runner Up     |
| 6     | Yoga          | B K Amalagiri         | Runner Up     |
| 7     | Boxing        | Nehru Stadium         | Fourth        |
| 8     | Wrestling(W)  | Maharajas College     | Fourth        |
| 9     | Swimming(W)   | Stc Pala              | Third         |
| 10    | Cricket       | Cms Kottayam          | Participation |
| 11    | Football      | Marthoma Thiruvalla   | Participation |
| 12    | Badminton     |                       | Participation |
| 13    | Table Tennis  | Madical College Ktm   | Participation |
| 14    | Chess         | Rit Pambady           | Participation |
| 15    | Power lifting | Newman Thodupuzha     | Participation |
| 16    | Volleyball    | St Thomas Kozhenchery | Participation |
| 17    | Bodybuilding  | Newman Thodupuzha     | Participation |

1. LIST OF STUDENTS WHO GOT SELECTED TO REPRESENT THE UNIVERSITY IN THE ALL INDIA INTER UNIVERSITY CHAMPIONSHIPS

2.

| Sl.No | Name          | Class             | Event         | Venue      |
|-------|---------------|-------------------|---------------|------------|
| 1.    | Shibin K B    | II BA ENGLISH     | Cross Country | Mdu Rothak |
| 2.    | Vipin Francis | III BSC CHEMISTRY | "             | "          |
| 3.    | Manu Mathew   | II BA POLITICS    | "             | "          |
| 4.    | Aneesh S      | III BSC ZOOLOGY   | Kabaddi       | Dnp        |
| 5.    | Shan K        | I MA MALAYALAM    | "             | "          |
| 6.    | Sherin Babu   | II BA MAL         | "             | "          |
| 7.    | Kamal Kumar   | II BA MAL         | "             | "          |
| 8.    | Terin John    | II BA MAL         | Water Polo    | Mumbai     |
| 9.    | Vinesh K      | I BA MAL          | "             | "          |
| 10.   | Jaison        | I BA MAL          | "             | "          |



|     |                  |             |               |           |
|-----|------------------|-------------|---------------|-----------|
| 11. | Shan K           | I MA MAL    | "             | "         |
| 12. | Jiby Peter       | I MA MAL    | Athletics     | Ernakulam |
| 13. | Joseph M.G       | II BA POL   | "             | "         |
| 14. | Jijo P.V         | II BA POL   | "             | "         |
| 15. | Manu Mathew      | II BA POL   | "             | "         |
| 16. | Raneesh V.V      | III BA ECO  | Athletics     | Ernakulam |
| 17. | Bineesh Jacob    | I BA MAL    | "             | "         |
| 18. | Sreejithn S      | I MA ECO    | "             | "         |
| 19. | Vipin Francis    | III BSC PHY | "             | "         |
| 20. | Robin Jose       | II BCOM     | Power lifting | -         |
| 21. | Sreekumar        | II BA MAL   | Yoga          | -         |
| 22. | Soumya<br>Joseph | II MA MAL   | Swimming      | Mumbai    |

**E) PERFORMANCE OF ATHLETICS TEAM AT THE INTERCOLLEGIATE & INTER CLUB CHAMPIONSHIP**

| Sl.No | Name             | Competition              | Event                     | Position |
|-------|------------------|--------------------------|---------------------------|----------|
| ■     | Jiby Peter       | M.G.U<br>Intercollegiate | 100m                      | Gold     |
| ■     | Bineesh Jacob    | "                        | Long Jump &<br>Pole Vault | "        |
| ■     | Raneesh V.V      | "                        | Decathlon                 | "        |
| ■     | Vipin Francis    | "                        | 1500 M                    | "        |
| ■     | Manu Mathew      | M.G.U<br>Intercollegiate | 4x400                     | "        |
| ■     | Nishanth K.N     | "                        | 4x400                     | "        |
| ■     | Jaimon           | "                        | 4x400                     | "        |
| ■     | Anishkumar       | "                        | 4x400                     | "        |
| ■     | Jijo P.V         | M.G.U<br>Intercollegiate | High Jump                 | "        |
| ■     | Raneesh V        | "                        | P.V                       | "        |
| ■     | Sreejith S       | "                        | 20km Walk                 | "        |
| ■     | Shijo Thankachan | "                        | 10000m                    | "        |
| ■     | Joseph M.G       | "                        | 200m                      | "        |

|   |               |   |               |        |
|---|---------------|---|---------------|--------|
| ■ | "             | " | 100 M         | Bronze |
| ■ | Shibin        | " | Half Marathon | "      |
| ■ | Vipin Francis | " | 800m          | "      |
| ■ | Nishanth      | " | 400h          | "      |

### 35. Incentives to outstanding sports persons:

Free boarding and accommodation are given to outstanding sports persons. The parent teachers association provides whole hearted support for the development of sports and games in the college. Apart from the boarding charges of the students, merit award is given by the PTA to the Best Sportsperson and Best athlete annually. The alumni association has a separate alumni forum for sports and they have instituted Prof Jose Kokkad memorial endowment for the outstanding sports person of the year.

### 36. Students achievements and awards

#### Statistics

1. Lucy Mary Louis - M.Sc. (Stat) I Rank
2. Annie Philip - M.Sc. (Stat) III Rank
3. Amrutha Jose - M.Sc. (Biostat) I Rank
4. Gigi S. - M.Sc. (Biostat) II Rank
5. Praveena Padmanabhan - M.Sc. (Biostat) III Rank
6. Anne Philip - I Prize- Research Project Competition
7. Revathy R. - I Prize- Research Project Competition
8. Neemdu R. - Obtained JRF and SBI Probationary Officer
9. Cyriac George - Selection to Indian Statistical Service

#### Physics

1. Bitty Joseph M. Sc III RANK
2. Jobin Jose Admission to Ph. D in I I T Chennai.
3. Roji Pious Admission to M Sc in I I T Kanpur
4. Anathu James KVPY Scholarship
5. Mentos Joseph P J Thomas Foundation Scholarship.

#### Chemistry

1. Mr. Suraj Soman - M.Sc. (Chemistry) I Rank
2. Mr. John Prakash - M.Sc. (Chemistry) III Rank
3. Ms. Geethu George - Obtained selection as PO, South Indian Bank
4. Ms. Anitha Kurian - Obtained selection as PO, South Indian Bank

#### Biotechnology

Miss Chithra JS passed the DBT JRF examination in overall 13<sup>th</sup> position. Miss Sajini, Miss Nadiya and Miss Soumya of the Applied Microbiology Course were awarded the first, second and third ranks for the Post graduate course in M.Sc Applied Microbiology of Mahatma Gandhi University.

#### Botany

UGC-CSIR test qualified: **TWO**

## English

- Surabhe Muthe – MA English I Rank
- Minnu James – UGC-NET UGC NET + JRF

## Commerce

Commerce students participated in Intercollegiate Competitions held in six colleges during the year and secured cash awards and prizes

### Intercollegiate Competitions: Prize winners

- Project Presentation-2<sup>nd</sup> prize-Neethu Jose and Shameer V.M. (Marian College Kuttickanam)
- Product Launching – 2<sup>nd</sup> Prize – George Mathew , Boby Kurian , Tharun Lee Jose and Shameer V.M. (Marian College, Kuttickanam)
- Product Launching- 2<sup>nd</sup> prize - Ebin John ,Nidish Sebastian, Geomon George, Dany Thomas and Zacharia Mathew(K.E. College, Mannanam)
- Project Presentation- 2<sup>nd</sup> prize –Gayathri S. Nair and Neethu Jose(Devamatha College, Kuravilangad)
- Commerce Quiz – 3<sup>rd</sup> prize- George Mathew and Justine J. Mathew(St. Stephens College, Uzhavoor)

## Economics

- Jinu Joseph MA (Eco) I Rank
- Akhila P Nair MA (Eco) III rank

## Political Science

- Kannan K.N -I Rank MA Political Science
- George Joseph -II Rank MA Political Science
- Roy Abraham -III Rank MA Political Science
- George Varghese Chacko -Obtained UGC- NET
- George Joseph -Obtained UGC- NET

## 37. Activities of Guidance and Counseling unit:

### Statistics

Three faculty members are approved /qualified counselors and they provide counseling service.

### Physics

Prof. M P. Mathai is actively involved in the activities of Anti-narcotic Cell.

### Chemistry

The teachers of the Department of Chemistry have played a major role in the activities of the Career Guidance Cell and Placement Cell. Mock Interviews and Group Discussions are arranged for students.

### Botany

FOUR students from Final year degree course and FOUR students from PG course utilized the counseling help available in the college.

### English

One faculty member is approved and qualified counselor and provides such service.

## Hindi

One faculty member is approved and qualified counselor and provides such service.

## Commerce

One of our faculty members are qualified counselors. Need based counseling is given to students.

## Economics

Needy students are directed to the official counselor of the college.

## Political Science

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

## 38. Placement services provided to students:

### Statistics

There is a qualified career counselor. We provide guidance and organize campus, and interviews. During 2008-09, 8 out of 13 students of M.Sc. Biostatistics and 9 out of 14 students of M.Sc. Statistics got placement.

### Chemistry

The following activities are undertaken by the teachers in charge of Career Guidance Cell and Placement Cell in the Department.

- i) Display on the Department Notice Board, articles and advertisements relating to higher studies and job opportunities.
- ii) Organisation of career orientation classes for the students.
- iii) Conduct of coaching classes for Joint CSIR-UGC test for JRF and Lectureship.
- iv) Organization of intensive coaching programmes for students seeking campus placements.
- v) Organization of campus interviews for students of the final year degree/post graduate classes.

### Biotechnology

Information about Biotechnology related industries and research institutions in India is made available to the students. Syllabus of Joint CSIR/UGC examination and study materials are supplied to students. 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 got placement is given below:-

1. Binu Jacob: Scientific database curator, Jubilant Biosys, Bangalore
2. Sijo Jose: Lab- in- Charge (Biotechnology division), Peerumadu Development Society, Kanjirapally, Kerala.
3. Unnikrishnan. R: Lab- in- Charge (Microbiology division), Amrutham Bioorganic Research and Development, Wadakancherry, Kerala.
4. Jitha Thomas: Research Associate, Semler Research institute, Bangalore.
5. Deepa Sebastian: Research Assistant, Kerala Agriculture university, Vellanikara, Trichur, Kerala.
6. Remya Vyasan: Guest Lecturer, Department of Biotechnology, S.N College, Kumarakom, Kerala

7. Remya Mani: Trainee scientist (Molecular Biology and Plant physiology Division), Rubber research institute of India, Kottayam, Kerala
8. Ambily. P.K: Trainee scientist (Molecular Biology and Plant physiology Division), Rubber research institute of India, Kottayam, Kerala
9. Maneesh Kylas: Trainee scientist (Biotechnology Division), Rubber research institute of India, Kottayam, Kerala
10. Shaimol Manuel: Trainee scientist (Biotechnology Division), Rubber research institute of India, Kottayam, Kerala
11. Sanju. C.R: Trainee scientist (Biotechnology Division), Rubber research institute of India, Kottayam, Kerala
11. Sheethal Ann Mathews: Trainee scientist (Biotechnology Division), Rubber research institute of India, Kottayam, Kerala
12. Lekshmi M Nair: Guest Lecturer, Department of Biotechnology, S.N College, Kumarakom. Kerala
13. Juna Beegum: Project Associate, Central Tuber crops Research Institute, Sreekariyam, Kerala.
14. Jojo Jose: Lab- in- charge (Biotechnology division), Malanadu Development Society, Kanjirapally, Kerala
15. Abhilash T.S: Clinical Research Associate, IFCR, Ernakulam, Kerala
16. Beena R: Clinical Research Associate, IFCR, Ernakulam, Kerala
17. Meera George: Clinical Research Associate, IFCR, Ernakulam, Kerala
18. Remya S: Clinical Research Associate, IFCR, Ernakulam, Kerala
19. Soja Nazir: Clinical Research Associate, IFCR, Ernakulam, Kerala
20. Swapna P. S: Clinical Research Associate (Trainee), IFCR, Ernakulam, Kerala
21. Gena Annie Cherian Quality Control Officer, Sancrose Pharmaceuticals, Mavelikara
- 22 Vidhya S: Quality Control Officer Labmate India, Chennai
23. Tomsy Thomson: Project associate, Agriculture University Trichur
24. Elizabeth: Project associate, CUSAT
25. Nishi Susan: Project associate, NCL, Pune
- 26.Divya Mohan: Guest Lecturer, Department of Biotechnology, S.N College, Kumarakom. Kerala
27. Chitra JS JRF JNU Delhi
28. Rince John JRF Delhi University
29. Chandraprabha Lecturer, Department of Biotechnology & Applied Microbiology
30. Sajini Lecturer, Department of Biotechnology & Applied Microbiology

## Botany

The Department secured two research level placements during the year.

1. Baban Phillip HSST, Marayoor
2. Shinu V.K. Forester

## Economics

There is a qualified career counselor in the Department. We provide guidance and organize campus interviews. During 2008-09, five of the MA Economics students got placements in various private banks.

## **Political Science**

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

### **39. Development programme for non-teaching staff:**

Training in computer application, office automation and service matters are arranged at college level.

### **40. Healthy practices of the institution**

#### **Statistics**

At the department level, at least one staff meeting is organized at the beginning and at the end of each term. Also duties are assigned in the beginning of the academic year to each teacher.

#### **Mathematics**

##### *Mathematic Quiz Team*

Ms. Jilumol and Ms. Syma Soman of I M.Sc. Mathematics have won the first prize in the All Kerala Inter-collegiate Mathematics Quiz Competition for the Sr. Luciya Ever-rolling Trophy organized by B.C.M. College, Kottayam.

#### **Chemistry**

At the department level, at least one staff meeting each is organized at the beginning and at the end of every semester. Duties are assigned at the beginning of the academic year to each teacher

#### **Biotechnology**

Duties are systematically assigned between members of the department. Timely implementation of assignments is ensured. Internal assessment system is properly monitored. Teacher evaluation by students is introduced. This has helped in increasing the level of performance of the teachers. Practical sessions are made research oriented. The Department functions for 9.30 hrs. a day from 9am to 6.30pm. Tutorial system is adopted.

Students are encouraged to participate in academic seminars and workshops as well as in extracurricular activities, such as; blood grouping camps, water testing and cleaning programmes, Mushroom cultivation, etc.

#### **English**

Staff meetings were convened regularly. At the beginning of the academic year duties were assigned to teachers.

#### **Hindi**

Regular staff meetings were convened. At the beginning of the academic year duties were assigned to teachers for the academic year.

#### **Economics**

At the department level, at least one staff meeting is arranged at the beginning and at the end of each term. Duties are assigned in the beginning of the term to each teacher and evaluation is made at the end of the term.

#### **Political Science**

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

## **41. Linkages with National / International, Academic / Research bodies**

### **Statistics**

The Department has excellent linkages with many reputed statisticians and departments at national and international levels. The prominent personalities include:-

- Prof. A.M. Mathai, McGill University, Canada
- Prof. Thomas Mathew, Maryland University, USA
- Prof. Hans Houbold, UNO, Vienna
- Dr. D.K. Ghosh, Saurashtra University
- Dr. A.K. Agarwal, Punjab University, Chandigarh
- Dr. S.R. Deshmukh, Pune
- Dr.S.K.Upadhyay, Banaras Hindu University

### **Physics**

- V. Dutta, IIT Delhi
- D.K. Avasthi, IUAC New Delhi

### **Chemistry**

The members of our Department have excellent linkages with many reputed institutions and bodies at national and international levels.

### **Botany**

The department is in regular interaction with reputed agencies.

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

### **Economics**

The department has excellent linkages with many reputed economists and universities

### **Political Science**

- We have strong collaboration with centre for the study of developing societies (CSDS) through the Department of Politics, University of Kerala, Karyavattom.
- 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.

## 42. Any other relevant information the institution wishes to add

### Statistics

Our faculty members attend and present papers in at least one national/international seminar every year. Last year our faculty attended 12 national/international conferences/workshops /seminars etc held at Singapore, Satara, Kochi, Calicut etc. Also all students of M.Sc. Biostatistics participated in the Workshop on Stochastic Process modeling and Biostatistics at Nedumkandom, Nirmala College Muvattupuzha, ISMS annual conference and pre-conference workshops. Also they conducted field visits in RCC Trivandrum and AIMS, Kochi. They participated in three months on the job training programmes in reputed biostatistical/pharmaceutical companies, and medical colleges. Students were given training in LaTeX typesetting, as well as in most of the statistical software such as SAS, SPSS, MINITAB, SYSTAT, MATLAB, MATHEMATICA, and MAPLE.

### Physics

Detailed discussions were held before planning the programs and collective involvement is ensured in their implementation.

### Botany

#### Papers published/accepted/communicated with impact factor and citation index

1. **Thomas TD** 2007. Pretreatment in thidiazuron improves the in vitro shoot induction from leaves in *Curculigo orchioides* Gaertn., an endangered medicinal plant. (Acta Physiologiae Plantarum 29: 455-461. (Springer).
2. **Thomas TD** 2007. High frequency direct bulblet induction from rhizome explants of *Curculigo orchioides* Gaertn., an endangered medicinal herb. In Vitro Cellular and Developmental Biology – Plant 43: 442-448 (Springer).
3. **Thomas TD**, Michael A 2007. High frequency plantlet regeneration and multiple shoot formation from cultured immature seeds of *Rhynchosyilis retusa* Blume., an exquisite orchid (Plant Biotechnology Reports 1: 243-249. (Springer).
4. **Thomas TD**, Chaturvedi R 2008. Endosperm culture-A novel method for triploid plant production (Review article- Plant Cell Tissue and Organ Culture – Springer).
5. **Thomas TD** 2008. The effect of *in vivo* and *in vitro* applications of ethrel and GA<sub>3</sub> on sex expression in bitter melon (Euphytica- Springer, In press).
6. **Thomas TD** Isolation, callus formation and plantlet regeneration from mesophyll protoplasts of *Tylophora indica* (Burm. f.) Merrill. a medicinal plant. (In revision to In Vitro Cellular and Developmental Biology – Plant – Springer)
7. **Thomas TD**, Sankar S. Multiple shoot induction and callus regeneration in *Sarcostemma brevistigma* Wight & Arn, an endangered medicinal plant (Communicated to Plant Biotechnology Reports - Springer).
8. **Thomas TD** The role of activated charcoal in plant tissue culture. (In revision to Biotechnology advances – Elsevier).
9. **Thomas TD**, Graff A Kranz E Isolation of egg and sperm cells of *Brachypodium distachyon*, a model grass for functional genomics. (Communicated to Sexual plant Reproduction-Springer)



10. Szilvia Z. Tóth, **Jos T. Puthur** and Győző Garab 2007. Naturally Occurring Alternative Electron Donors of Photosystem II. *In Proceedings of International Photosynthesis Congress, Glasgow, U.K. Kluwer Academic Publishers, Dordrecht. (In Press).*
11. Szilvia Z. Tóth, **Jos T. Puthur** and Győző Garab 2007. Alternative Electron Donors Substitute the Inactivated Oxygen-Evolving Complex in Different Plant Species. *Cell Stress and Chaperones online 12: 211 (4C-06-P).*
12. **Jos T. Puthur** and P. Pardha Saradhi 2007. Developing Embryos of *Sesbania Sesban* are Highly Susceptible to High Photon Flux Density. *Acta Physiol. Plant. (Communicated)*
13. **Jos T. Puthur** 2007. Vesicular Arbuscular Mycorrhizae (VAM) Enhances the Drought Stress Tolerance of *Sesbania sesban*. *In Recent Trends in Horticultural Biology (R. Keshvachandran et al., eds.), New India Publishing Agency, New Delhi, India. 837-848.*

## Zoology

Pratheesh Mathew of III DC short listed for the KVPY award.

He has been guided for preparing a project report for presenting before the evaluation committee.

### Research publications, 2008-2009

Ph.D awarded:- One Ph.D in Biochemistry was awarded to Sarala Gopalakrishnan in February 2009, under the guidance of Dr.P.J.Benny, on topic 'Studies on antibacterial principles from selected Plants'

One full time research in Biochemistry is progressing under the guidance of Dr.P.J. Benny. Topic of research : 'Medicinal properties of common fruits' Name of Research Scholar : Shibumon George

### Extension Programmes

- Department is maintaining a Vermiculture unit and Apiculture unit
- A certificate course in Apiary Management was conducted by the Department

## English

- Remedial classes were offered to academically weak students of UG and PG classes. These classes were given by teachers of the Dept. Classes were held in the morning (before the commencement of regular classes) and in the evening (after regular hours).
- Suggestions for reorganizing the curriculum were raised by members of the faculty in university academic bodies such as board of studies. Prof. Thomas Augustine was a member of the board.
- Our students won prizes in several literary quiz competitions. The Dept. provides language consultancy service to other depts., institutions and the public. The video cassettes/CDs in our collection were lent to other institutions.

## Hindi

- Pre-dissertation defense (PhD mock viva and defense), mock vivas for PG students unit tests and internal evaluation for UG, UGC-NET objective type tests etc. were conducted.
- Suggestions for reorganizing the curriculum were raised by members of the faculty in university academic bodies such as board of studies. Prof. C K James was a member of the board.

- Our students won prizes in several literary quiz competitions. The Dept. provides language consultancy service to other depts., institutions and the public. The video cassettes/CDs in our collection were lent to other institutions.

### **Syriac**

- Remedial Classes were given to selected students who need special care.
- New books were purchased for the general library.
- The Syriac language was taught in the class keeping in view the new trends at national and international levels

### **Commerce**

- Individual teachers have taken corrective action on the basis of students' and their parent's feedback

### **Economics**

- The syllabus of B.A Economics is revised for implementation during 2009-2010. Draft syllabus already prepared.
- Our faculty members attend and present papers in at least one national /international seminars. Last year our faculty attended 6 national conferences, workshops and seminars held at Trivandrum, Kottayam, Kollam etc. At the department level we conducted discussion on Kerala Budget and Central budgets. Rank holders of the department are honored .The department has 90.91% result in Degree and 81.8 % at MA exams.

### **History**

- At the department level, at least one staff meeting is arranged at the beginning and at the end of each term. Duties are assigned in the beginning of the term to each teacher and evaluation is made at the end of the term.
- The department has excellent linkages with many reputed Historians and universities.
- Our faculty members attend and present papers in at least one national /international seminars. Last year our faculty attended one national conference, many workshops and seminars.

### **Political Science**

- Test papers were conducted unit wise along with objective type tests for P.G and UG students. Also coaching for UGC –NET is given to the students.
- 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
- Shri. Udayan B. Lecturer, department of Politics, NSS College, Changanacherry awarded Ph.D. under the supervision of Dr. V.V. Varghese.

### **NCC Navy**

The following programmes were organized by the Unit during the academic year:

- NCC day was celebrated in November 2008.
- Celebrated Independence Day with march-past and other functions.

- Conducted a Programme named 'Run for Fun' in November 2008.
- Visited Special School at Pala on November 2008 as part of NCC day celebrations.

## **Part C**

### **Statistics**

- i. Statistics Day Celebration on 29.06.09 with quiz and debate competition
- ii. A national Workshop on Bayesian Statistics and R Software in June 2009.
- iii. Special Orientations for UGC Test, ISS examination etc.
- iv. Alumni Meet of the first batch and the 25<sup>th</sup> batch in August 2009
- v. Inauguration of Golden Jubilee and organizing a National Seminar in September 2009
- vi. A series of short term workshops in Official Statistics, Biostatistics, Statistics in Banking and Management, Mathematical Statistics etc to be organized.
- vii. Meeting of former faculty and reception to the Golden Jubilee batch every year.
- viii. Recognition/Awards to alumni who make achievements in their field of work.
- ix. Scholarships to deserving students on merit-cum-means basis.
- x. Application for DST-FIST level II support
- xi. New Add on Certificate / Diploma Programmes
- xii. PG Diploma in Actuarial Statistics and Insurance to be started in 2009-'10
- xiii. An International Journal in Statistics and Applications to be started.
- xiv. An International Conference in 2009-'10
- xv. New Infrastructure in M.Sc. Classes
- xvi. A Stat Evening and Merit Evening.
- xvii. To start B.Sc. Statistics with Computer Applications.

### **Physics**

- i. The meeting decided to start two more research divisions in material sciences and decided to find suitable rooms for the same.
- ii. To enhance the reading habits among students and to deepen the knowledge of students in physics, the meeting decided to implement the program, SYP- Sharpen Your Physics.
- iii. The meeting decided to conduct a National Workshop on Quantum Confined Systems and Nanoscale Devices.
- iv. The meeting decided to host a GMW for young scientist by the Department of Science and Technology – DST.

- v. The meeting also decided to organize more seminars and invited talks for the benefits of both the students and teachers.
- vi. The meeting decided to strengthen the activities of physics associations and PTA.
- vii. The meeting discussed the modalities of implementing the new UG curriculum in the coming academic year.

## **Chemistry**

- i. Renovation and modernization of PG and research laboratories using DST FIST fund.
- ii. Acquisition of sophisticated instruments such as, IR spectrophotometer, UV-Vis spectrophotometer etc.
- iii. Installation of new computer lab
- iv. Recognition/Awards to alumni who make achievements in their field of work.
- v. Scholarships to deserving students on merit-cum-means basis.
- vi. Renovation and beautification of Department staff room..

## **Biotechnology**

- i. Improving infrastructure facilities by procuring modern instruments for improving the levels of practical skill of the students
- ii. To conduct more interaction between Biotechnology industries and the Department
- iii. 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 enhanced
- iv. Purchase of Software for Bioinformatics
- v. Starting HACCP programme for Applied Microbiology students

## **Botany**

- i. Setting up of a Microbiology Lab
- ii. Setting up of a Computer lab with network, allowed free to students.
- iii. Modernization of Labs, Classrooms, etc.
- iv. Assess the EFL status of various places in Kerala State.
- v. 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
- vi. Identifying plant species with high carbon dioxide assimilating potential
- vii. Studies on the phytochemical parameters and analysis for the delimitations of Plant Taxa (Phytotaxonomy) including the finding of new plant borne chemicals

- viii. Study of the genetic diversity of selected groups especially medicinal and crop plants
- ix. *Ex-situ* conservation of rare and threatened endemic plants
- x. In vivo Conservation of the gene pool of medicinal plants and wild relatives of crop plants
- xi. Exploration of soil micro flora and bacteria and assessment of soil and water quality
- xii. Audio-Visual documentation of Plant diversity including bacteria and soil micro flora are the main categories
- xiii. Involvement of students of PG and UG courses in all the above said opportunities of plant science research.

## Zoology

- i. Modernize the B.Sc. Lab
- ii. Acquire at least 5 computer terminals for conducting the computer practical
- iii. Acquire an LCD projector and a lap top
- iv. Equip the department to meet the challenges and potentials of the credit and semester system in the degree course which is going to be introduced soon.

## English

- i. Peer teaching as a healthy practice.
- ii. Formation of study groups to facilitate learning.
- iii. Introduction of enhanced interactive teaching methods.
- iv. Brainstorming sessions.
- v. Holding regular alumni meeting.
- vi. Special sessions for UGC-NET, Civil Service examinations etc.
- vii. Class wise PTA meeting.
- viii. Research orientation programme for PG students.
- ix. Staging of one-act plays.
- x. Strengthening remedial teaching programmes.
- xi. Think-tank sessions.
- xii. Mock viva in each semester for the PG students.
- xiii. Conducting aptitude tests.
- xiv. Study tours with a special focus on the linguistic diversity existing between communities in the states of India vis-à-vis their use of English language.
- xv. Career orientation-cum-personality development programmes for both UG and PG students.

## Hindi

- i. To Implement Peer teaching as a healthy practice.
- ii. Formation of study groups to facilitate learning.
- iii. Introduction of enhanced interactive teaching methods.
- iv. Holding alumni meeting.
- v. Special orientation for UGC-NET, Civil Service examinations etc.
- vi. PTA meeting.
- vii. Research orientation programme for PG students.
- viii. Strengthening remedial teaching programmes.
- ix. Model viva in each semester for the PG students.
- x. Study tours with a special focus on the linguistic diversity existing between communities in the Northern states of India.

## German

To offer the certificate course in German Language of Indira Gandhi National Open University to all students in the Department

## Syriac

Students are encouraged to visit places of Syriac inscriptions.

## Commerce

- i. National Seminar on “Emerging Trends in Financial services” Sep 25-26, 2009, Proposal submitted to UGC for sanction
- ii. Model Viva along with Model Exams for IV Semester students (June)
- iii. Organising Invited Talks by eminent academicians, Financial and Management experts.
- iv. Centralised mid term test paper by the department in July and November.
- v. Commerce Forum

|   |   |           |
|---|---|-----------|
| Inauguration                                    | - | August    |
| Seminar/ Invited Talks                          |   |           |
| Com Arena- '09 (Inter Collegiate Commerce Fest) | - | October   |
| Onam Celebration                                | - | September |
| Christmas Celebration                           | - | December  |
| Valedictory                                     | - | January   |
- vi. Personality development and team building programme

|           |   |        |
|-----------|---|--------|
| I B. Com  | - | August |
| II B. Com | - | July   |

- III B. Com - June
- M.Com - October
- vii. Research Extension and Consultancy Cell
- a. Organisation and inauguration of the cell, Inter collegiate seminar on research reporting, Extension programs and consultancy services.
  - b. Meeting of research Scholars, Presentation of their work progress (Dec) etc. PG students are also expected to benefit out of it.
- viii. Parents meet - Twice in an academic year (Class Teacher- in Charge)
- |           |   |           |          |
|-----------|---|-----------|----------|
| I B.Com   | - | September | February |
| II B.Com  | - | July      | February |
| III B.Com | - | July      | January  |
| I M.Com   | - | November  |          |
| II. M.Com | - | October   |          |
- ix. Academic audit – March
- x. Support to weak students and motivation to outstanding ones  
Identifying weak students, Promoting Enterprising ones etc
- xi. Study tour for III DC and II M Com (III Sem.) during November
- xii. Staff tour (Nov)
- xiii. Peer teaching by PG students (III Sem) in II B.Com (Aug)
- xiv. Preparation for Golden Jubilee Celebrations of the department – Alumni meets
- xv. Distribution of Prof. John Zacharia Endowment cash award in June 2009 and Talk
- xvi. Admissions – July & August

## **Economics**

- i. National seminar on global warming on February 2009.
- ii. Special training for UGC and competitive exams.
- iii. Alumni meet of the post graduates.
- iv. Scholarships to meritorious and deserving students.
- v. Remedial coaching to degree students.
- vi. A series of short term workshops and seminars to be conducted.

## **History**

- i. More department level activities to be made.
- ii. Special training for and competitive exams.
- iii. Alumni meet of the graduates.

- iv. Scholarships to meritorious and deserving students.
- v. Remedial coaching to degree students.
- vi. A series of short term workshops and seminars to be conducted.

### **Political Science**

- i. The Quality Study Circle consisting of faculty members and research scholars of the department will conduct open discussion forums. This will be documented and published in website. In this open discussion forum the public can also share their opinion.
- ii. It is decided to depute as many faculty members as possible to participate in the orientation, faculty improvement programmes , seminars, workshops etc.
- iii. One- day seminar is proposed in collaboration with Kerala Institute for Local development Authority (KILA)- for the Women Panchayat and Municipal members.
- iv. The 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.
- v. The department has started a pilot study in participatory development programme in Assembly Constituency of Pala.
- vi. Degree students, as part of their syllabus, will be given an opportunity to watch the functioning of the State Legislative Assembly
- vii. Prof. M.T. Thariyan endowment lecture will be conducted every year
- viii. Rao. N.C. Mathewkutty Endowment Lecture
- ix. Prof. N.C. Mathewkutty Endowment Lecture
- x. Forum for Great Thought.
- xi. Special orientation for UGC test and Civil Service Examination etc.

### **Physical Education**

- i. Renovation of the Swimming Pool
- ii. Construction of indoor stadium
- iii. Maintenance of playfield
- iv. Starting of new course in Sports journalism
- v. Strengthen eth college Volleyball and Athletic team

### **IGNOU**

- i. To appoint full time faculty members for IGNOU centre
- ii. To appoint a full time accountant for the centre



- iii. To find out space for IGNOU office and one more class room.
- iv. To further increase students enrollment in the regular batch
- v. To reserve 20% seats for women

### **NCC (Army)**

- i. Total parades to be conducted 20.
- ii. Celebration of Independence Day, Republic Day and NCC Day.
- iii. Organize a Cycle Rally as part of its Awareness Programmes.
- iv. Visiting Charitable Institutions as part of NCC Day Celebrations.
- v. Arranging Training and Orientation Programmes for cadets.

### **NCC (Naval)**

- i. Total parades to be conducted 20.
- ii. Celebration of Independence Day, Republic Day and NCC Day with march-past and other functions.
- iii. Organize sailing expeditions.
- iv. Visiting Charitable Institutions as part of NCC Day Celebrations.
- v. Arranging Training and Orientation Programmes for cadets.