

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

*Submitted to*

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**&**

**UNIVERSITY GRANTS COMMISSION OF INDIA**



*Submitted by*

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**Year of report: 2011-2012**

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## Part A

### Introduction

Choice Based Credit and Semester System (CBCSS) has been introduced at UG level in all programmes by 2011 and this has been extended to PG programs from 2012. Continuous assessment as part of internal examinations has been introduced with various components such as attendance, assignments, seminars and test papers. Each student has to prepare at least 2 assignments or term papers in each subject of study and present them in seminars. There will be monthly test papers in addition to the end semester external examination by the university. Quiz programmes as well as oral viva-voce examinations are also conducted for each batch. For English language teaching, practicals in the language lab have been introduced for ensuring correct pronunciation and fluency. Students are encouraged in creative writing. The Readers Forum ensures more reading and library usage and monthly quizzes are conducted on current affairs including news items of national and international importance, literary items, cinema, sports, science etc. Each student is under the strict monitoring of a mentor under the new tutorial system. There is a maximum of 15 students for each teacher who will help those students in all academic and co-curricular matters. This is strengthened by constant contacts with the parents and there will be at least one batch wise mid-semester meeting of parents, teachers and students during each semester. 12 Open courses are provided, so that students can opt courses offered by other departments. The courses were designed by our teachers.

15 teachers of our college are members of the Boards of Studies of the university, for preparing the syllabi of various courses. 3 teachers are members of the University Senate and one among them is a member of the Syndicate of Mahatma Gandhi University, Kottayam. The uses of ICT resources have been ensured with the use of LCD's and interactive boards along with Internet facilities in smart classrooms. The curriculum has been so designed that it ensures active involvement of students and teachers in the teaching-learning process. Residential orientation camps are given to each batch regarding the scope of the syllabus, opportunities for career development as well as higher studies in addition to confidence building programmes and leadership training programmes. Highly motivated and intelligent students are encouraged to apply for KVPY scholarships as well as interaction with eminent scientists and experts. Science exhibitions, Film festival, Arts festival etc. have been organized to develop their talents as well

as to encourage them with attractive prizes. Two of our UG students were selected for international visits to Germany and Malaysia. Two of our NCC cadets participated in the Republic Day Parade in 2011. During 2012, four of our NCC cadets participated in the Republic Day Parade.

During 2011-12, the college initiated various collaborative programmes with National Science Academies, Kerala State Council for Science, Technology and Environment (KSCSTE), Department of Science and Technology (DST), Kerala State Higher Education Council (KSHEC) etc. in addition to various programmes of UGC. A Refresher Course in Condensed Matter Physics and a National Lecture Workshop on Statistical Applications in Industry, Business, Agriculture and Ecology were organized in collaboration with all the three Science Academies in India. Another Workshop on Chemistry was organized in collaboration with the National Science Academies and Mahatma Gandhi University, Kottayam in March 2012. A 'Workshop on Informatics' sponsored by KSHEC was organized for equipping teachers and non-teaching staff in the use of computers as well as office automation. Training was given to all in computer use including Internet and made them aware of cyber crimes and related laws. Four workshops on Methodology of Sciences, Humanities, Social Sciences and Business Studies were organized in collaboration with KSHEC. Budget analysis and presentations as well as quiz competitions were conducted by the Dept. of Economics.

Ozone Day Celebrations, Science Day Celebrations and Science Exhibition were organized in collaboration with KSCSTE. A workshop on Maintenance of electronic equipments was organized in collaboration with UGC-WRIC, Mumbai. An international Conference on Mathematical Sciences (ICMS) 2011 was organized with financial support from UGC, DST, CSIR, KSCSTE etc. A UGC sponsored National Seminar on the 'Role of Women in Fiction, Language and Literature' was organized by the Dept. of Malayalam. The Dept. of Hindi brought out a documentary on 'Meenachil River and Environmental Problems' to create an awareness among youth and public to keep the river and surroundings clean. The students of Dept. of Malayalam produced a documentary on the bad effects of Mobile Phone use among college students. The Dept. of English organized a fashion show on the cultural transitions in Kerala campuses during the last 50 years as part of its Golden Jubilee Celebrations 'Nostalgia'. The Commerce Dept. organized a Commerce Quiz on Recent Trends and developments in Business



and Management. The Dept. of Statistics organized a Stat Storm Quiz to popularize Statistics and its applications among students and the public. Skills in the use of computer softwares like SPSS, Tally, etc. were nurtured by certificate programmes. A Diploma on Computer Networking and Maintenance was initiated in collaboration with KELTRON. Various staff training programmes were organized for teachers as well as non-teaching staff. We have also implemented three Career Oriented Programs with UGC support during 2011-12.

At PG level semester system has been strengthened by various innovative programmes. Classroom teaching has been supplemented by field works and visits to reputed National Laboratories and Institutes. Students are encouraged to make use of INFLIBNET, NLIST and other Internet resources along with new books and journals in the preparation of term papers and assignments. Science students are given training in La Tex software for documentation. Students of Mathematics, Statistics, Biostatistics, Economics, Commerce etc. are given training in the use of SPSS software for data analysis. Students of Botany, Chemistry and Physics are also given training in the use of computing softwares. All PG students are given special coaching for UGC-CSIR NET/JRF examinations. Career Counselling and encouragement for pursuing research in reputed institutions are provided. Special training in English for IELTS was given to selected students. Also SAS training was provided to PG students in Mathematics, Statistics and Biostatistics. Campus Interviews, Campus Placements etc. are organized to ensure adequate career opportunities to PG students. Coaching for Bank Tests for PO's and Clerks is provided. SC/ST students are given special orientation and awareness on various scholarship schemes and other incentives. PG admission was done through a Centralized Allotment Process (CAP) by the university and the top rankers opted our college under first option. Invited talks by experts from various national institutions were organized by every department. The departmental subject associations were strengthened and under their auspices various enrichment programmes were organized. Quiz programs, problem solving sessions, creative writing, stage programmes etc. were organized. Touch screen facilities are being provided to physically handicapped students.

There have been a resurgence in research activities. Utilizing CPE funds we have initiated three centers of research namely Centre for Mathematical and Statistical Modeling and Computing, Centre for Nano Technology and Polymer Science, Centre for Biodiversity Studies and

Documentation. More than 15 of our research scholars were awarded Ph.D. during 2011-12 Now there are more than 196 research scholars doing research in the various departments of the college under the guidance of 86 research guides. Our faculty and research scholars have published more than 120 research papers in reputed national/international peer reviewed journals. More than 20 research scholars have newly joined for research. Our faculty members also are implementing 8 major and 27 minor research projects at present. During 2011-12 we organized 5 national seminars sponsored by UGC and an International Conference on Materials Science and Technology ICMST 2012. The IQAC in the college is monitoring research activities, for exploring all avenues for grants and sponsorships. The Research and Consultancy Services Cell is extending its services to other researchers, govt. agencies and public. The office and library are fully automated. Library department networking is progressing. Digital Library and INFLIBNET, NLIST facilities have become operational. The Laboratories for UG and PG have been renovated in Botany, Chemistry and Physics departments. New books and journals have been purchased. At least one smart classroom has been developed in each department. Some renovation and modernization of physical infrastructure have been completed. The college website is re-designed and is nearing completion. Examination reforms have been implemented, a question bank has been prepared in each department, question papers are prepared and printed in the college itself, valuation is completed within a week, internal scores are published and grievances, if any, are redressed within 3 days. Renovation works relating to facilities for sports and games, including basketball court and volleyball court have been completed. A research monitoring and innovation centre has become operational and an honorary director has been appointed. Modern equipments for UG and PG Labs have also been purchased. Career guidance and placement centre has now become fully operational with a placement officer. The Counseling and Health centre has also become operational, with a reputed counselor offering counseling to students. As part of our extension activities and Chemistry Year celebrations, we organized a four day Chemistry Workshop and Science Experience camp for UG and Higher Secondary students along with a book exhibition by NISCARE, New Delhi in September 2011. Our students also participated in the Science exhibitions at Kerala Science Congress held at Kottayam under the auspices of KSCSTE and also at SJ CET, Pala. The PG students of Commerce department conducted a study tour to various national institutions in New Delhi during February 2012.

The National Service Scheme and NCC organized various programmes for Community Development, National Integration and responsible citizenship. The NSS Unit was selected as the best unit under MG University in 2010-11. The NSS adopted 4 L.P. Schools and is providing cloths, umbrellas, books in addition to developing a library. They also assist in women empowerment programmes in the college as well as at Girls town, Kozhuvanal, an orphanage school for young girls. The students also help the young boys at Boys town, Karoor, an orphanage for boys. In addition to cleaning the campus, hospitals, nearby govt. institutions they construct village roads and build houses for the poor. They stage street plays to fight against social evils like drug addiction and consumption of alcohol. A number of leadership training camps were organized by NSS and NCC in the college during Onam and Christmas holidays. These programmes have made the students socially responsible with a concern for the poor and the underprivileged. The Jesus Youth students collect food packets and used dresses and give these to the inmates of Maria Sadan, an orphanage for the mentally retarded. They visit them on every Friday and spend some time interacting and playing with them. Many of our NCC cadets have participated in the training camps organized at national and regional levels. Two NSS volunteers participated in the National Integration Camp held at Kashmir. The college athletic team won runners up trophy in the university meet in 2011. The college team won championship in the M.G. University Youth Festival, for literary events in 2011. Our students won more than 100 prizes for Quiz in many intercollegiate competitions. The Dept. of Physical Education organized a South Indian Volleyball Tournament in December 2010 and 2011. Also an all Kerala Sports Quiz was organized in which more than 50 teams from various colleges in Kerala participated. The NCC Unit organized an intercollegiate All Kerala Quiz and Exhibition in January 2012. The Alumni Association also was very active and organized various programs for the students and the public.

The UGC has released a sum of Rs.50.00 lakhs in 2010-11 as first installment CPE grant. A sum of Rs.40.00 lakhs has been sanctioned as second installment by UGC during 2011-12 but the amount has not yet been released. We have spent more than Rs.80.00 lakhs so far. Thanks to the CPE Programme of UGC, the college has introduced a number of innovative steps with regard to curriculum, teaching, evaluation etc. at undergraduate, post-graduate and research levels. The direct benefits have been obtained to more than 10000 students at UG and PG levels apart from 500 research scholars as well as 200 faculty members. Indirectly it has been beneficial to more

than 50000 people in the Meenachil Taluk in Kottayam District which is an agricultural belt in Kerala.

Thus the college has become a role model for other educational institutions, with the optimal use of CPE grant from UGC. Timely release of funds is needed for the fuller implementation of the programs successfully. Also continuation of the support in the 12<sup>th</sup> Five Year Plan will give a new boost to the activities already initiated. We acknowledge the financial assistance from UGC under the CPE program which helped us in implementing various innovative programs in teaching, learning, research and extension activities during 2010-12.

**The plan of action chalked out by Departments at the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.**

A plan of action is framed by every department at the beginning of the year, giving thrust to quality enhancement. Departmental plans of action are consolidated into a master plan for the college as a whole. Due attention is given to the expectation of all stakeholders. Programmes are chalked out to address their demands as well as to improve their performance. 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**

**Activities Planned**

The Department of Statistics planned the following to be implemented during 2011-12.

1. Career Guidance and Placement Cell to be strengthened
2. Syllabus restructuring of M.Sc. Statistics and Biostatistics during the year
3. More seminars and invited talks to be arranged.
4. More association activities and co-curricular activities.
5. Biostatistical Surveys related to medical field and Data Analysis.
6. Student Projects supported by KSCSTE and other agencies.
7. Publication of a Journal of international standards.
8. Strengthening consultancy services.
9. Poor students' aid fund to be made operational.
10. Alumni activities to be strengthened further.

11. More collaborative research works to be under taken.
12. Computer lab to be updated.

### **Outcome Achieved by the end of the year 2011-12**

During 2011-12, the Department organized two workshops on statistical softwares. The members of faculty completed two minor research projects supported by UGC. The teachers and research scholars have published about 17 research papers in reputed international journals. They have also attended eight international/national conferences, seminars and workshops. In the M.Sc. Statistics Examination the fourth rank was secured by Ms. Anju Joy. In the M.Sc. Biostatistics Examination, the first three ranks at the University level were won by our students Ms. Shamna Safar, Ms. Linumol and Ms. Ann Mary.

The following research papers were published by our teachers and research scholars.

1. Bindu Punathumparambath, Sebastian George and Kannan V.M. (2011). Statistical Techniques for Microarray Technology. *Journal of Informatics and Mathematical Sciences* 3(3), pp. 257-275.
2. Bindu Punathumparambath (2011). A new family of skewed slash distributions generated by the normal kernel, *STATISTICA*, anno LXXI, n. 3, 2011
3. K.K. Jose, Ancy Joseph, Miroslav Ristic (2011). Bivariate Marshall-Olkin Weibull Minification Processes, *Statistical Papers*, 52, 789-798.
4. K.K. Jose, Bindu Abraham (2011). Analysis of DAR(1)/D/s Queue with Quasi-Negative Binomial-II as Marginal Distribution, *Applied Mathematics*, 2011, 2, 1159-1169.
5. K.K. Jose, Manu Mariam Thomas (2011) Generalized Laplacian Distributions and Autoregressive Processes, *Communications in Statistics-Theory and Methods*, 40, 23, 4263-4277.
6. K.K. Jose and E. Krishna (2011) Applications of Marshall-Olkin Frechet Distributions, *Communications in Statistics- Computation and Simulation*
7. (K.K. Jose and E. Krishna (2011) Marshall-Olkin Assymmetric Laplace Distribution and Processes, *STATISTICA*, anno LXXI, n. 4, 453-467.
8. K.K. Jose and Bindu Abraham (2011) Count Models with Mittag-Leffler Waiting Times, *Statistica*, anno LXXI, n. 4, 501-514.
9. K.K. Jose and Lishamol Tomy (2011). Geometric Normal Laplace distributions and processes, *Journal of Applied Statistical Sciences*, 18, 3,

10. K.K.Jose and Jane A.Luke (2011). Confidence Intervals for Process Capability Indices for the unbalanced one-way random effect ANOVA model; *Quality Reliability Engineering International*, doi:10.1002/qre.1247
11. K.K. Jose and Lishamol Tomy (2011). An AR(1) Time Series Model with skew-Laplace III Marginals, *Journal of Statistical Theory and Applications*,9,3,417-426.
12. K.K. Jose and Rani Sebastian (2011). Marshall-Olkin Gumbel distributions and applications in reliability modeling and stress-strength analysis, *J. Statistical Applications*,5,32-49.
13. Dais George and Sebastian George (2011). Applications of Esscher Transformed Laplace Distribution in Web Server Data, *Journal of Digital Information Management* **9(1)**, 19-26.
14. Dais George and Sebastian George (2011). Marshall-Olkin Esscher Transformed Laplace Distributions and Its Applications, *Brazilian Journal of Probability and Statistics* (accepted).
15. Dais George, Pit Pichappen and Sebastian George (2011). Application of Generalized Confidence Interval in the Study of Web Server Performance. *International Journal of Web Application*. **3(2)**, 138-151.
16. Dais George and Sebastian George (2011). Esscher Transformed Laplace Distribution and Its Applications. *Journal of Probability and Statistical Science* (accepted).
17. Bindu P., Sebastian G. and Sangita Kulathinal (2011). Asymmetric type II compound Laplace Distribution and its Application to Microarray Gene Expression, *Computational Statistics and Data Analysis* (accepted).
18. Bindu Punathumpambath (2011). The multivariate skew-slash t and skew-slash Cauchy distributions. *Model Assisted Statistics and Applications*, 6, 1–8. (DOI 10.3233/MAS-2011-0199, IOS Press).
19. K.K.Jose and Bindu Abraham (2011) The Analysis of Discrete Time Queueing System with Discrete Autoregressive Arrivals, *Research & Reviews: A Journal of Statistics* 1, 1, 34-65.
20. K.K.Jose and E.Krishna (2011) Marshall-Olkin Extended Uniform Distribution, *Probst Forum e-Journal*,4,78-88.

21. K.K.Jose (2011) Science, Mathematics and Interdisciplinary Research, *Science and Society Journal*,10,12-22.
22. K.K.Jose and Jane A. Luke (2011). Comparing two Process Capability Indices under balanced one-way random effect model; *Quality Reliability Engineering International*, doi:10.1002/qre.1297.
23. Shaijin Stephen, Renu David (2011). Pareubal Atopy and Exposure to Pets on Asthma: A Hospital Basel Case- Control study, *International Journal of Preventive Medicine* **12**( 3), 151-157.
24. Seemon Thomas, A.M.Mathai and H.J.Haubold (2012). An entropic pathway to multivariate Gaussian density, *Mathematica Aeterna* **2**(1), 51-61.
25. Alex Thannippara, O.C. Joseph, D.K.Ghosh and S.C.Bagui (2012). E-optimal semi-regular graph design and partially efficiency balanced designs, *Journal of Statistical Theory and Applications* **11** (1), 47-61.
26. K.K.Jose and K.D.Mariyamma (2012), Integer valued Autoregressive Processes with Generalized Discrete Mittag-Leffler marginals, *Statistica, anno LXXII, n. 2*
27. K.K.Jose and Jane Luke (2012) Confidence Intervals for Process Capability Indices for balanced one-way ANOVA model, *Communications in Statistics-Computation and Simulation*, 41,9,1-11
28. K.K.Jose and Jane Luke (2012) On confidence Intervals for Process Capability Indices in a one-way Random Model, *Communications in Statistics-Computation and Simulation*, 41,10,1805-1815

## Mathematics

The Department of mathematics planned the following to be implemented during 2011-2012.

### A. Classroom Activities

1. The class room teaching for UG students should be further improved so that it bridges the gap between the plus two and postgraduate levels of Mathematics by providing a more complete and logical framework in almost all areas of basic Mathematics.
2. By the end of the second semester, the students should have attained a common level in basic Mathematics, a secure foundation in Mathematics and other relevant subjects to complement the core for their future courses.

3. By the end of the fourth semester, the students should be introduced to powerful tools for tackling a wide range of topics in Calculus, Theory of Equations and Numerical methods. They should be familiar with additional relevant mathematical techniques and other relevant subjects to complement the core.
4. By the end of sixth semester, the students should cover a range of topics in almost all areas of Mathematics including Graph Theory, Programming in C, and had experience of independent works such as project, seminar etc.
5. The class room teaching for PG students should enable them to familiarise and master major branches of Mathematics by the preparation of projects and peer teaching.
6. Provide question banks for reference.

### B. Year Plan

Dept. Secretary	Sri.Thankachan Augustine
Maths study group	Sri. Tomy Thomas
MTM Quiz	Sri. V.K. Jose
Remedial coaching	Dr. Raj Mathew
Maths Alumini	Dr. Raj Mathew
Library books /IQAC / Research Centre	Dr. Sunil C Mathew
Guidance and counseling	Sri. Manuel J Panavelly
UGC-CSIR-NET Coaching	Sri. Tomy Thomas

### C. General Activities

1. Special Orientations for UGC-CSIR- N.E.T and other competitive Examinations
2. Scholarships to deserving students on merit-cum-means basis.
3. New Infrastructure facilities in M.Sc. classrooms
4. Organize Mathematics Day and Merit Evening.
5. More seminars and invited talks to be arranged.
6. Arrange problem solving contest for bright students and remedial classes for weak students
7. Career Guidance and Placement Cell and counseling support to be strengthened
8. Poor student's aid fund will be made operational.
9. Alumni activities will be strengthened further



## 10. Strengthen the activities of Mathematics Study Group

**Outcome Achieved by the end of the year 2010-2011**

1. Remedial classes of 42 hours were conducted in 2010-2011. The classes were arranged from 10am to 4pm on Saturdays and from 9am to 10am on working days. Dr. V.K. Jose, Prof. Thankachan Augustine, Prof. Tomy Thomas and Dr Raj Mathew engaged the classes. Dr Raj Mathew coordinated the programme.
2. Four problem solving contests and three quiz competitions were held for P.G and U.G students.
3. Jilumol M, our M.Sc. student of 2008-10 batch qualified U G C – C S I R- N.E.T.
4. Fifty-five hours of coaching classes were given to students appearing for the CSIR-NET in June-2011 and 75 hours of coaching classes were given to students appearing for the tests in December2011

**DETAILS OF CLASSES FOR U.G.C-C.S.I.R-N.E.T  
COACHING (2011-20112)**

<b>Date</b>	<b>10.00 am-11.30 am</b>	<b>11.30-1.00 pm</b>	<b>2.00 pm-4.00 pm</b>
23-05-2011	Tommy Thomas	Tommy Thomas	Tommy Thomas
24-05-2011	Tommy Thomas	Tommy Thomas	Seemon Thomas
25-05-2011	Tommy Thomas	Tommy Thomas	Seemon Thomas
26-05-2011	Jyothy Thomas	Jyothy Thomas	Jyothy Thomas
27-05-2011	Ambily P Mathews	Ambily P Mathews	Ambily P Mathews
30-05-2011	Jinitha Varghese	Jinitha Varghese	Jinitha Varghese
31-05-2011	Jais Kurian	Jais Kurian	Jais Kurian
01-06-2011	Joy Jacob	Joy Jacob	Tommy Thomas
02-06-2011	Tommy Thomas	Tommy Thomas	Joy Jacob
03-06-20-11	Sebastian George	Sebastian George	Tommy Thomas
04-06-2011	Jyothy Thomas	Jyothy Thomas	Jyothy Thomas
06-08-2011	Tommy Thomas	Tommy Thomas	Tommy Thomas
13-08-2011	Tommy Thomas	Tommy Thomas	Joy Jacob
03-09-2011	Seemon Thomas	Seemon Thomas	Tommy Thomas
15-09-2011	Jyothy Thomas	Jyothy Thomas	Jyothy Thomas

17-09-2011	Jais Kurian	Jais Kurian	Jais Kurian
21-09-2011	Ambily P Mathews	Ambily P Mathews	Ambily P Mathews
16-11-2011	Jinitha Varghese	Jinitha Varghese	Jinitha Varghese
17-11-2011	Joy Jacob	Joy Jacob	Joy Jacob
18-11-2011	Jais Kurian	Jais Kurian	Jais Kurian
19-11-2011	Tommy Thomas	Tommy Thomas	Seemon Thomas
21-11-2011	Seemon Thomas	Seemon Thomas	Tommy Thomas
22-11-2011	Jinitha Varghese	Jinitha Varghese	Jinitha Varghese
03-12-2011	Joy Jacob	Joy Jacob	Jogy Alex
08-12-2011	Ison V	Ison V	Ison V
10-12-2011	Jyothy Thomas	Jyothy Thomas	Jyothy Thomas

**DETAILS OF RESOURCE PERSONS (CSIR-NET COACHING)**

<b>Name</b>	<b>Address</b>
Mr. Jais Kurian	Dept. of Mathematics, St. Stephen's College Uzhavoore
Dr Jinitha Varghese	Dept. of Mathematics, B C M College, Kottayam..
Ms. Ambily P Mathews	Dept. of Mathematics, C MS College, Kottayam.
Ms. Jyothy Thomas	Dept. of Mathematics, Devamatha College Kuravilangadu.
Mr. Tommy Thomas	Dept. of Mathematics, St. Thomas College Palai.
Dr. Joy Jacob	Dept. of Statistics, St. Thomas College Palai.
Dr. Seemon Thomas	Dept. of Statistics, St. Thomas College Palai.
Dr Sebastian George	Dept. of Statistics, St. Thomas College Palai.
Mr. Jojy Alex	Dept. of Chemistry, St. Thomas College Palai.
Dr Ison V	Dept. of Physics, St. Thomas College Palai.

**5. Workshop on Career guidance**

A one-day workshop was conducted on 16 July 2011 to introduce new trends in employment and placements. Mr. Thankachan Augustine and Mr. Tomy Thomas were the resource persons. Students of final year B. Sc. and M.Sc. classes attended the workshop.

**6. Extra Curricular activities**

- a. Onam Celebration: The mathematics students celebrated the Onam festival on 02 – 09 - 2011. They prepared “athapookalam” with natural flowers. Special games were conducted for the students.

- b. Christmas Celebration: The students made Christmas tree and Crib
- c. Study tours were conducted for final year degree and P.G students.

### Physics

1. Decided to strengthen career guidance services of the department.
2. Decided to actively take part in M.Sc. syllabus revision initiatives of M.G. University and to make suggestions to improve the quality of the curriculum to the standards of UGC. Dr. Ison V Vanchipurackal will coordinate the process.
3. Decided to conduct Seminars, workshops and invited talks for the benefit of students in the department.
4. Decided to strengthen the activities of departmental association.
5. Decided to continue “Sharpen Your Physics” and “Problem Solving Drive” and “Learning through Projects” programs in the department to enhance the knowledge horizon and problem solving ability of the students.
6. Decided to start NCERT-problem solving program for first semester M.Sc. students.

### Outcome Achieved by the end of the year 2011-2012:

1. For the last ten years, we are continuously scoring 100% success in the B.Sc. course and about 95% success in the M.Sc. course. We have secured the best result in MG University for M.Sc. first semester examination.
2. Many of our BSc students are getting admissions for M.Sc. in IITs, IISERs, central and state universities etc. through entrance examinations. Our current students are also preparing well for them. One of our students, Tomin K James, III DC has already secured admission for M.Sc. at IISER Pune.
3. Most of our recent M.Sc. alumni are either employed or doing research in reputed institutions.
4. The department received financial help for eight projects from UGC/DST.
5. Sri. George James T. has been awarded PhD in Physics by Mahatma Gandhi University. He was doing research under the guidance of Dr. Vincent Mathew in Quantum Electronics research division under the Department of Physics.
6. The following research papers were published by our members of faculty and research scholars. This year, the Department of Physics has produced fourteen international publications and many national and international conference papers.

1. Anju Babu, C Bhagyaraj, Gishamol Mathew and Vincent Mathew-“Dispersion of plasmon polaritons guided by a metal film of finite width deposited on uniaxial substrate”- Journal of Physics D: Applied Physics 44 (2011) 335301
2. Jesly Jacob, Ajith R and Vincent Mathew “Surface plasmon near-field resonance characteristics of silver shell nanocylinders arranged in triangular geometry” -Applied Optics /Vol. 50, No. 33 / 20 (2011) 6278
3. Jolly Andrews and Vincent Mathew “Magnetic field induced properties of type II superconducting microstrip resonators”- Superconductor Science and Technology 25 (2012) 025004
4. Gishamol Mathew and Vincent Mathew “Tunable surface plasmon polaritons in metal-strip waveguides with magnetized semiconductor substrates in Voigt configuration” - Semicond. Sci. Technol. 27 (2012) 055010
5. Gishamol Mathew, Bhagyaraj C, Anju Babu, and Vincent Mathew “Effect of Gyrotropic Substrates on the Surface Plasmon Polaritons Guided by Metal Films of Finite Width”- Journal of Lightwave Technology, Vol. 30, No. 2, (2012)
6. Deepu Thomas, Sunil C Vattapalam, Sunny Mathew and Simon Augustine “ Effect of Oriented grain growth in ZnO thin film by annealing and doping” National Seminar on Emerging Trends in optoelectronics and solar energy nanomaterial, PRNSS College Mattanur Sep 23-24, 2011
7. Antony Simon and SVM Satyanarayana “Steady state dynamics of a moving model cell”- J.Phys:condens.Matter 24 065104(2012)
8. Santhosh Kumar R., S. Chandralingam, Sijosh George, Sreekanth G.,Michael Augustine, and Ginson P. Joseph , The influence of Cd<sup>2+</sup> and Mg<sup>2+</sup>on the electrical and thermal properties of manganese mercury thiocyanate crystals and its Lewis base adducts-future materialsfor photonics device fabrication P hys. Status Solidi C 8, No. 9, 2735–2738 (2011)
9. Sreekanth G, S.Chandralingam, Jacob Philip, Jayalashmi, Regi Philip, Kishore Sreedaran, Santhosh Kumar, Ginson P.Joseph (2012) Investigations on the electrical, thermal and optical properties of the nonlinear optical Allyl Thiourea Mercurychloride single crystals: *Materials Research Bulletin (Accepted)*
10. Ginson P.Joseph, Santhosh Kumar R, Sijosh George, Sreekanth G. (2011) Influence of

- $Cd^{2+}$  and  $Mg^{2+}$  on the electrical and thermal properties of manganese mercury thiocyanate crystal and its lewis base adducts-Future materials for photonics device fabrications: *Phys. Status Solidi C* 8, 9, 2735–2738
11. Sreekanth G, Michael Augustine, Santhosh kumar, S. Chandralingam, Binay Kumar, Ginson P.Joseph (2011), Studies on the Electrical Properties of Non-linear Optical Allyl Thiourea Cadmium Chloride (ATCB), *AIP Conf. Proc.* 1349, 1055-1056 doi: 10.1063/1.3606225
  12. Santhosh Kumar R , Ignatius Korah, S. Chandralingam, Binay kumar, Sijosh George , Ginson P.Joseph, (2011), Piezoelectric and Mechanical properties of Non-linear Optical Manganese Mercury thiocyanate (MMTC) *AIP Conf. Proc.* 1349, 1289-1290; doi: 10.1063/1.3606339
  13. Studies on the Electrical and Thermal properties of Non-Linear Optical Allylthiourea single crystals; Ginson P.Joseph, Sreekanth G, Chandralingam S, Michael Augustine, Sijosh George; International Conference on Materials for Advanced Technologies (ICMAT 2011) during 26 June-1July, 2011, Singapore
  14. Synthesis, Thermal and Mechanical Properties of Thiocyanate Complex Crystals for SHG devices; Ginson P.Joseph, Santhosh Kumar R, Chandralingam S, ; International Conference on Materials for Advanced Technologies (ICMAT 2011) during 26 June-1July, 2011, Singapore
  15. Comparison on the growth and electrical properties of L-Arginine perchlorate and L-Histidine Perchlorate single crystals; Prince Thomas, Sreekanth G, Santhosh Kumar R, Michael Augustine, Sijosh George, Ginson P.Joseph; National Seminar on Current Trends in Materilas Science (CTMS-11) during 4-6 August 2011, Christian College Chengannur, Kerala
  16. Investigations on the physic-chemical properties of allylthiourea complex NLO crystals; Sreekanth G, Prince Thomas, S. Chandralingam, Michael Augustine, Sijosh George, Ginson P.Joseph; National Seminar on Current Trends in Materilas Science (CTMS-11) during 4-6 August 2011, Christian College Chengannur, Kerala
  17. Synthesis, optical and dielectric properties of highly efficient organometallic thiocyanate complex crystals; Santhosh Kumar R, S. Chandralingam, Prince Thomas, Anju K. Augustine, Sreekanth G, Ginson P.Joseph; National Seminar on Current Trends in

Materilas Science (CTMS-11) during 4-6 August 2011, Christian College Chengannur, Kerala

## Chemistry

1. More seminars and invited talks to be arranged.
2. More association activities and co-curricular activities.
3. Strengthening consultancy activities like water quality monitoring, soil testing etc.
4. Alumni activities will be strengthened further.
5. Research Activities will be further enhanced. More projects and collaborative works will be undertaken.
6. Strengthening of infrastructure by using DST-FIST grant
7. UGC-CSIR/GATE coaching to be strengthened
8. More curricular and co-curricular activities for undergraduate and postgraduate students will be initiated.
9. To conduct remedial coaching for weak students
10. To introduce career counseling for all students
11. To conduct programmes to interact with scientists and renowned academic personalities.
12. To arrange coaching classes and model examinations to prepare for competitive examinations.

### Outcome Achieved by the end of the year 2011-12

During 2011-2012 the Department has organized 'Chemquest 2011 - Workshop on Chemistry-our life, our future' celebrating the International Year of Chemistry 2011 (IYC 2011), held during 5-8 September 2011 in collaboration with Science Education Trust (SET) Kottayam, and sponsored by CSIR, New Delhi and KSCSTE, Govt. of Kerala. Faculty members attended several international/national seminars and workshops. Sr. Princy Philip FCC secured second rank in MSc. chemistry examination.

The following research papers were published by our members of faculty and research scholars.

1. Antiprotozoal activity of 2, 3-dihydroxybenzoic acid isolated from the fruit extracts of *Flacourtia inermis* Roxb, Shibu George, Benny P.J., Sunny Kuriakose, Cincy George Sarala Gopalakrishnan, Medicinal Plants - International Journal of Phytomedicines and Related Industries, 3, 3, 237 (2011).

2. Analysis of Trace Metals and their Salts in the River Water of Mennachil River, Kerala, Aneyamma Varughese and Sunny Kuriakose, Pollution Research, 2011, (Accepted, in Press)
3. Synthesis and Characterization of Polyethyleneglycol Encapped Silver Nanoparticles and their Antifungal Activity, Cincy George, Sunny Kuriakose, Sheena Varghese and Tessymol Mathew, Sci.Soc., 9(2), 197 (2011).
4. Antifungal Activity of Silver Nanoparticle Encapsulated  $\beta$ - Cyclodextrin Against Human Opportunistic Pathogens, Cincy George, Sunny Kuriakose, Shibumon George and Tessymol Mathew, *Supramolecular Chemistry, i First Article, 1-6*, (2011).
5. Antibiotic Activity of 2,3-Dihydroxybenzoic Acid Isolated from *Flacourtia inermis* Fruit Against Multidrug Resistant Bacteria, Shibumon George, Benny PJ, Sunny Kuriakose, Cincy George, Asian Journal of Pharmaceutical and Clinical Research, 4,1,126 (2011).

## Biotechnology

The plan of action for 2011-12 includes the following:-

1. To introduce new certificate courses
2. To improve the results.
3. To encourage members of faculty to register for Ph.D.
4. To encourage teachers to attend refreshers courses.
5. To motivate the teachers to attend seminars |conferences |workshops.
6. To encourage teachers and students to make paper publications and presentations
7. To conduct more seminars.
8. To submit proposals to the Principal for improving the infrastructure of Bioinformatics Laboratory.
9. To submit proposals to the Principal for improving the infrastructure of Instrumentation Laboratory.
10. To submit proposals to the Principal for developing the infrastructure of plant tissue culture Laboratory.
11. To submit proposals with various funding agencies for the conduct of seminars/conferences.
12. To conduct NET coaching classes more effectively.

13. The department proposes to utilize the research outputs for the benefit of the community  
(Extension to the Community)
14. A women's forum is to be organized in the department.
15. To increase the number of students participating in sports and cultural activities
16. Plan to improve our placement cell and quiz club
17. Encourage teachers to submit project proposals
18. Invite experts from reputed institutions for exchanging their research experience with our students.

**Outcome Achieved by the end of the year 2011-12**

- i. Started four certificate courses in the following subjects:-
  1. Molecular Biology
  2. Medical Microbiology
  3. Medical Biochemistry
  4. Bioinformatics
- ii. The performance of the students in the university examination improved considerably. We secured 91.6 % pass with three university ranks in the Applied Microbiology Examination
  1. First Rank: Ms. Jubi Jacob
  2. Second Rank: Ms. Cynthia Mathew
  3. Third Rank: Ms. Arya S. Nair
- iii. Six of our teachers served as resource persons/chief guests in various seminars
  1. Prof. James Joseph: resource persons/chief guest in SB College for Botany, Biotechnology and Biodiversity related areas
  2. Dr. Ratheesh M: resource person/chief guest in a research institution-Biogenex (Center for Molecular Biology and Microbiology, Thiruvananthapuram), Medcare (specialized laboratory for Histopathology &Immunohistochemistry, Thiruvananthapuram)
  3. Ms.Meenu Maria George: resource person/chief guest in Alphonsa College, Pala for Molecular Biology
  4. Ms. Archana Cherian: resource person/chief guest in Alphonsa College, Pala for Biotechnology



5. Ms. Praveena George: resource person/chief guest in UGC approved certificate course in Plant tissue culture at St.Stephen's College, Uzhavoor
6. Ms.Simi Jacob: resource person in Dept. of Biostatistics (St.Thomas College) for bioinformatics
1. The coordinator, Prof. James Joseph attended three-day seminar on Bioprospecting at St. Thomas College , Pala, during November 2011
2. Two teachers are chairpersons of boards of examination.
  - a. Ms. Anupama KSR- Microbiology, Applied Microbiology
  - b. Ms. Meenu Maria George: Applied Microbiology
3. Sree Buddha College of Engineering, Alappuzha has nominated our faculty member Dr. Ratheesh M, into the M.Tech Thesis Evaluation Committee
4. Our teacher Ms. Anupama was appointed as external examiner for dissertation evaluation for M.Sc. degree
5. Our faculty Mrs Archana Cherian has been appointed as external examiner for dissertation evaluation for M.Sc. degree
6. Five of our teachers (Ms.Meenu Maria George, Ms. Archana Cherian,Ms. Praveena George, Mr.Jethinlalkhosh J. P. and Ms. Dhanya T.P.) attended the workshop on restructuring the syllabus of the postgraduate courses of Bisosciences under Mahatma Gandhi University, Kerala
7. Eight of our members of faculty were nominated by the chairperson Prof. James Joseph in the board of restructuring the syllabus of the postgraduate courses of Applied Microbiology under Mahatma Gandhi University, Kerala
8. Our Department organized a national seminar on“Emerging Trends in Biotechnology and Microbiology” during March 29 - 30, 2012. (Sponsored by KSCSTE)  
Prof. James Joseph: Convener  
Noby Mathew & Meenu Maria George: Organizing Secretaries  
Jethinlalkhosh J.P: Scientific organizer  
Archana Cherian, Anupama KSR: Members of Scientific Committee  
Dhanya T.P and Praveena George: Registration Committee  
Simi Jacob: Technical organizer

9. Our teachers and students published the following research articles in national or international journals/ conferences
- i. M. Ratheesh, G.L. Shyni, G. Sindhu and A. Helen. Inhibitory effect of *Ruta graveolens* L. on oxidative damage, inflammation and aortic pathology in hypercholesteromic rats. *Exp Toxicol Pathol.* 2011, 63(3):285-90.
  - ii. Smitha Mohanlal, Rathnam Parvathy, Vasantha Shalini, Ratheesh Mohanan. Antony Helen and Ananthasankaran Jayalekshmy. Chemical indices, antioxidant activity and anti inflammatory effect of extracts of the medicinal Rice ‘Njavara’ and staple varieties-a comparative study. *Journal of food Biochemistry.* 2012
  - iii. Sindhu G, Ratheesh M, Shyni GL, Nambisan B, Helen A. Anti-inflammatory and antioxidative effects of mucilage of *Trigonella foenum graecum* (Fenugreek) on adjuvant induced arthritic rats. *Int Immunopharmacol.* 2012
  - iv. Ratheesh M Sindhu G, Helen A. anti-inflammatory effects of isolated quinolin alkaloid from *Ruta graveolens* L. (*under minor revision in -Inflammation Research*)
  - v. Jethinlalkhosh. J. P and Lathika. V (2012). Screening of Phytochemical Constituents and Antimicrobial Activity of Traditional Medicinal Plants. *Int. J. Res. Pharm. Sci., 3(3), 461 - 465*
  - vi. J. P. Jethinalalkhosh and V. Lathika (2012). In vitro Antioxidant Activity and Total Phenolic Content of Traditional Medicinal Plants. *Journal of Pharmacy Research 5(6), 3236 – 3238*
  - vii. Remya. V. R and Jethinlalkhosh. J. P (2012). Evaluation of the Anti – hypercholesterolemic Effect of *Averrhoa bilimbi* in Albino Rats. National Seminar held at St. Thomas College, Pala on March 29 & 30, 2012.
  - viii. Anulekshmi. J and Jethinlalkhosh. J. P (2012). Production and Characterization of Biofloculants from Bacteria Isolated from Waste Water. National Seminar held at St. Thomas College, Pala on March 29 & 30, 2012.
  - ix. Devika. K. R and Jethinlalkhosh. J. P (2012). Isolation and Characterization of Novel Biosurfactant producing Strain from Oil Contaminated Soil. National Seminar held at St. Thomas College, Pala on March 29 & 30, 2012.
  - x. Linju Lal and Jethinlalkhosh. J. P (2012). Biodegradation and Bioconversion of Cellulosic Waste Materials by Utilizing Microbial Cellulase for Bioethanol

- Production. National Seminar held at St. Thomas College, Pala on March 29 & 30, 2012.
- xi. Simi Jacob (2012) *In silico* search for putative small molecule modulators of human heat shock protein 90 beta through Virtual screening based on molecular docking’ National seminar on emerging trends in biotechnology and Applied Microbiology, held at St.Thomas college, palai
  - xii. Rajkumar. P.R, Archanacherian, Evaluation *Antimicrobial properties of marine Actinomyces* ,National seminar on “Emerging trends in Biotechnology and Applied microbiology” St.Thomas college, Pala,March29&30,2012.
  - xiii. Praveena George and Jose “influence of PH on the turbidity induced by heparin in mitochondria lysosome enriched membrane preparations” National Seminar held at St. Thomas College, Pala on March 29 & 30, 2012.
  - xiv. Meenu Maria and karthika Mohanan “Preliminary Analysis of the Phytochemical Components of *Sarcostigma kleinii* Wight & Arn. and its Antimicrobial and Antioxidant Activity” at the National seminar on ‘emerging trends in Biotechnology and Microbiology’ organized by the Post graduate Dept. of Biotechnology & Applied Microbiology of St. Thomas College, Pala on 29<sup>th</sup> and 30<sup>th</sup> March 2012
  - xv. Anupama KSR and Meenu G Nair “Isolation of phosphate solubilising microorganisms from pesticide exposed soil & invitro study of its pesticide degrading ability. KSCSTE sponsored National Seminar On Emerging trends in biotechnology & microbiology organized by dept. of biotechnology & applied microbiology, St. Thomas College, Pala. on 29<sup>th</sup> & 30<sup>th</sup> march 2012.
  - xvi. Ms. Cynthia Mathew and Rajesh Ramachandran *Prevalence Of aac Gene in Plasmid Mediated Drug Resistance in Pseudomonas spp. and its Effective Curing Using Ayurvedic Plant Extracts*, KSCSTE sponsored National Seminar on Emerging trends in biotechnology & microbiology organized by dept. of biotechnology & applied microbiology , St. Thomas College , Pala. on 29<sup>th</sup> & 30<sup>th</sup> march 2012.
  - xvii. Lakshmi. S .Nair and Noby Mathew, Biodiesel production from the microalgae - *Spirogyra* and it optimtization using lipolytic bacteria. National Seminar on Emerging trends in biotechnology & microbiology organized by dept. of

- biotechnology & applied microbiology, St. Thomas College, Pala. on 29<sup>th</sup> & 30<sup>th</sup> march 2012.
- xviii. Divya Jose and Noby Mathew, Biodiesel production. National Seminar on Emerging trends in biotechnology & microbiology organized by dept. of biotechnology & applied microbiology, St. Thomas College, Pala. on 29<sup>th</sup> & 30<sup>th</sup> march 2012
- xix. Vishnu S. Sanjeev, Archanacherian, Noby Mathew and Rajesh Ramachandran, *Anticancer effects of ethanolic extract of Tylophora indica by downregulating BCL-2 gene*. National seminar on “Phytomedicine” Bharathiar University, Coimbatore, Oct. 4 and 5, 2012, page 130.
10. Based on the suggestions of the department, the Bioinformatics, Instrumentation and Plant Tissue Culture Laboratories in the college were restructured by the Management with hi-tech facilities
11. NET-coaching classes have been started and is going successfully under the supervision of Prof. James Joseph
12. Extension to the Community:
- i. We conducted the Blood Grouping Camp for 400 NSS volunteers of this college to establish a blood donation forum
  - ii. We analyzed the potability of Drinking Water samples from the public.
  - iii. We also conducted the blood grouping of people in remote areas.
  - iv. We inculcated scientific aptitude in Higher Secondary Students from various schools who visited our lab.
  - v. The Department is involved in providing assistance to municipal authorities with details regarding the levels of microbial contamination of Meenachil River water.
13. Women’s Forum was promoted with Ms. Archana Cherian as Secretary and Ms. Praveena George as president
14. Women’s Forum organized a training programme on mushroom cultivation for women in the Palai municipal area.
15. We promote not only the academic interest of our students but also their artistic skill. Every student is given a chance to take part in variety programs conducted as part of various celebrations.

16. Our placement cell is led by Prof. James Joseph. Recent placements are the following:-
  - i. Lincy Edatt: joined for PhD in Central University of Kerala
  - ii. Linju Lal: Joined As SRF in Agricultural University
  - iii. Lathika : joined for PhD in Central University of Kerala
  - iv. Akhilesh M Nair: joined as Microbiologist in PDS, Kuttikanam
  - v. Arun Antony: joined as Microbiologist in PDS, Kuttikanam
  - vi. Rani James ozhavoor: joined in Spices Board, Ernakulam
  - vii. Arya M Nair: joined in Spices Board, Ernakulam
  - viii. Ashna jose: joined in Spices Board, Idukki
  - ix. Kavya KV: joined as project fellow in CTCRI, Kasargod
  - x. Sethu S: joined in Pineapple Research Institute, Vazhakkulam
17. In the All Kerala Life Science Quiz Competition held at Mar Thoma College Thiruvalla our team represented by Ms Rugma V. M. and Vysakh won the first prize. The team won third prize also in a quiz competition conducted during a national seminar held in our college.
18. Our faculty Dr. Ratheesh M. submitted two project proposals
  - i. To Coconut Development Board
  - ii. To UGC-for a Major Project
19. Experts from Various National and International institute visited our Department
  - a. Dr. Aneesh Prabhakaran
  - b. Catholique de Louvain University
  - c. Belgium
  - d. Dr. Sandya S
  - e. Scientific officer
  - f. Physical and inorganic Laboratory
  - g. IISc Bangalore
  - h. Dr.Sunish Radhakrishnan
  - i. Scientist
  - j. IISER
  - k. Thiruvananthapuram

## Botany

The Department of Botany is aimed for the collection, teaching and dissemination of knowledge related to Plant Science. The department always shows adequate sensitivity to the changing educational and social demands. We prepared an action plan at the beginning of the academic year to achieve defined goals

### Activities Planned

The Department planned the following to be implemented during 2011-12.

1. To motivate and enhance the quality of learning among the UG students
2. To equip both PG and UG students in technology to make them more competent
3. Dissemination of knowledge to community through collaborative research
4. Bioprospecting of endemic plants
5. Gathering traditional knowledge
6. Attracting young students to biology by providing an opportunity to secondary and higher secondary students to acquaint themselves with our department, laboratory and library and giving them an idea about biology and its future possibilities

### Outcome Achieved by the end of the year 2011-12

The following research papers were published by our teachers and research scholars:-

1. Hoshino Y, Miyashita T, **Thomas TD**. 2011. In vitro culture of endosperm and its application in plant breeding: approaches to polyploidy breeding. Scientia Horticulturae 130:1-8 (Elsevier)
2. **Thomas TD**, Hoshino Y. 2011. Efficient in vitro plant regeneration from embryo derived callus of *Brachypodium distachyon*; a model grass for functional genomics. Plant Biosystems 145:1-7 (Taylor&Francis)
3. **Jomy Augustine**, 2011. Nature India, KCBC- Youth Commission, Ernakulam.
4. Cheruvathur M.K, Britto J, **Thomas TD**. 2011. Pulvinus- an ideal explant for plant regeneration in *Caesalpinia bonduc* (L.) Roxb., an ethnomedicinal woody climber. (Acta Physiologiae Plantarum -Springer – In Press).
5. Cheruvathur M.K, **Thomas TD**. 2011. Callus induction and high frequency plant regeneration in *Pseudarthria viscida* (L.) Wright and Arn., a rare ethnomedicinal herb. Physiology and Molecular Biology of Plants 17:395-401 (Springer).

6. **Toji Thomas.** Preliminary antibacterial evaluation of fronds of *Pteris quadriaurita* Retz. towards bacteria involved in dermatological diseases (2011) J App Pharm Sci **1(8)** 214-216.
7. **Toji Thomas.** Antibacterial evaluation of *Angiopteris evecta* (G. Forst.) Hoffm. towards bacteria involved in cutis diseases (2011) Int J Uni Pharma Life Sci **1(3)** 1-7.
8. **Toji Thomas.** Preliminary antibacterial and phytochemical evaluation of *Dryopteris cochleata* (D.Don) C.Chr. (2011) J Global Pharma Tech **3(6)** 4-8
9. **Toji Thomas.** Preliminary Antibacterial and Phytochemical Evaluation of *Odontosoria chinensis* (L.) J.SM. (2011). J Pharm Herb Formul **1(5)** 26-30
10. **Toji Thomas.** Preliminary antibacterial evaluation of *Lindsaea ensifolia* Sw. against bacteria involved in skin diseases (2011). Med Plants **3(1)** 77-79
11. **Toji Thomas.** Preliminary Antibacterial and Phytochemical Assessment of *Osmunda regalis* L. (2011). Int J Pharm Biol Arch **2(1)** 559-562.
12. **Johns Augustine,** (2011) Conservation of *Dendrobium moacrstachium* Lindl. A rare and endangered orchid sps. Through in vitro methods. National Seminar, Malabar Christian College, Calicut.
13. **Johns Augustine** and Midhun Thampi (2011) Effect of coconut water on in vitro seed germination in *Spathoglotis plicata* (Bl) Bijd. National Seminar, St. Thomas College, Pala.
14. **Thomas TD,** Cheruvathur MK. 2011. An protocol for plant regeneration in *Pseudarthria viscida* (L.) Wright and Arn., via cotyledonary node and leaf derived calli. International Symposium on "Genomics of Crops, Medicinal Plants and Microbes" Organised by Department of Botany, University of Kerala.
15. Kumar KG, **Thomas TD.** 2011. An effective micropropagation protocol in *Clitoria ternatea* Linn., an important medicinal plant. National conference on biodiversity, conservation of nature's endless and unexplored resources. September 28-29 September 2011. Organised by Department of Botany and Environmental Sciences All Saints' college, Thiruvanthapuram. Kerala.
16. Kumar KG and **Thomas TD.** 2011. Effective micropropagation protocols in *Clitoria ternatea* Linn., an important medicinal plant. – National Seminar on Nanobiotechnology,

- 11-12, August, 2011. Organized by Department of Botany, Zoology and Physics, St. Mary's College, Thrissur, Kerala.
17. Cheruvathur MK, **Thomas TD**. 2011. Plant regeneration from leaf derived callus of *Rhinacanthus nasuts* (L.) Kurz; a potent anticancerous ethnomedicinal plant. National Conference on Bioprospecting of plant genetic resources of Western Ghats, November 22-23, 2011. Organised by Department of Botany, St. Thomas College, Pala, Kottayam, Kerala.
18. Abraham J, **Thomas TD**. 2011. Antibacterial activity of medicinal plant *Cyclea peltata* (Lam) Hooks & Thoms. National Conference on Bioprospecting of plant genetic resources of Western Ghats, November 22-23, 2011. Organised by Department of Botany, St. Thomas College, Pala, Kottayam, Kerala.
19. **Thomas TD**, and **Mani B**. 2011. Micropropagation of *Pittosporum tetraspermum* Wight and Arn., an important medicinal tree. - National Conference on Bioprospecting of plant genetic resources of Western Ghats, November 22-23, 2011. Organised by Department of Botany, St. Thomas College, Pala, Kottayam, Kerala.
20. Kumar KG and **Thomas TD**. 2011. Some aspects of reproductive biology in *Pittosporum tetraspermum* Wight and Arn., a rare medicinal tree endemic to Western Ghats. - National Conference on Bioprospecting of plant genetic resources of Western Ghats, November 22-23, 2011. Organised by Department of Botany, St. Thomas College, Pala, Kottayam, Kerala.
21. Jose S, Anju O. S. and **Thomas T. D**. 2011. Micropropagation of *Mentha arvensis* (Linn.); a comparative study on the effect of plant growth regulators. - National Conference on Bioprospecting of plant genetic resources of Western Ghats, November 22-23, 2011. Organised by Department of Botany, St. Thomas College, Pala, Kottayam, Kerala.
22. Sinjumol Thomas and **Mani B**, Invitro propagation of *Calotropis gigantea* (Linn) R. Br. through enhanced axillary branching. National Conference on Bioprospecting of plant genetic resources of Western Ghats, November 22-23, 2011

## Zoology

Activities planned for 2011-12 are the following:-

1. Make all efforts to increase admissions to B.Sc. zoology programme



2. Prepare an academic calendar to divide the portions to be covered by each teacher in each term.
3. Preparation of a timetable for the submission of assignments and the conduct of seminars by students. Train students in powerpoint presentations
4. Advance announcement of study-tour programme, field visit etc.
5. Conduct of Zoology Association Programmes
6. Expand ICT-aided teaching
7. Modernize the B.Sc. Lab
8. Acquire at least 5 computer terminals for conducting the computer practical
9. Acquire an LCD projector and a laptop
10. Equip the department to meet the challenges and potentials of the credit and semester system in the degree course which is being introduced.

**Outcome Achieved by the end of the year 2011-12**

1. Student intake to 1<sup>st</sup> DC increased from 20 to 32
2. Academic calendar prepared and portions completed in time according to the calendar.
3. Seminar presentation of degree students completed in time by power-point presentation
4. Study-tour of degree students and visit to different ecosystems completed. A number of local varieties of animals were identified and documented.
5. Zoology association was active during the year. Various programmes like invited talk, instructional tour and science exhibition, were conducted. The members participated in quiz competitions, poster presentations, etc
6. The department acquired LCD projector and commenced ICT-enabled teaching.

The following research papers were published by our teachers and research scholars:-

1. *Shibumon George, Benny PJ, Sunny Kuriakose, Cincy George and Sarala Gopalakrishnan.* Antiprotozoal activity of 2, 3- dihydroxybenzoic acid isolated from the fruit extracts of *Flacourtia inermis* Roxb. *Medicinal Plants*, 2011; 3(3) 237-241
2. *Shibumon George, Benny PJ, Sunny Kuriakose and Cincy George.* Antibiotic activity of 2, 3-dihydroxybenzoic acid isolated from *Flacourtia inermis* fruit against multidrug resistant bacteria. *Asian Journal of Pharmaceutical and Clinical Research*. 2011; 4(1): 126- 130.

3. Benny PJ, George Shibumon, Kuriakose Sunny and George Cincy. 2, 3-Dihydroxybenzoic Acid: An Effective Antifungal Agent Isolated from *Flacourtia inermis* Fruit. *International Journal of Pharmaceutical and Clinical Research*. 2010; 2(3): 101-105.
4. Gopalakrishnan Sarala, George Shibumon and Benny P J. Antimicrobial effect of *Punica granatum* on Pyogenic Bacteria. *Journal of Pharmaceutical and Biomedical Science*. 2010; 3(06 :) 1-3.
5. Shibumon George and Benny P J. Antibacterial potency of fruit extracts of *Flacourtia inermis* against multidrug resistant strains and comparison of its activity with that of standard antibiotics. *International Journal of Pharmaceutical Science and Biotechnology*. 2010; 1(2):96-99.
6. Shibumon George and Benny P J. Antifungal activity of acetonic extract of *Flacourtia inermis* against opportunistic pathogenic fungi. *Journal of Global Pharma Technology*. 2010; 1(6):28-34.
7. Shibumon George and Benny P J. Antiprotozoal activity of the crude extract of *Flacourtia inermis* fruit by microscopic count method. *International Journal of Pharmaceutical & Biological Archives*. 2010; 1(4):385-388.
8. Shibumon George and Benny P.J. A Review on the Medicinal Significance of Common Fruits. *International Journal of Biomedical Research and Analysis*. 2010; 1(2):60-64.
9. Shibumon George, Sarala Gopalakrishnan and P.J. Benny. In vitro antibacterial activity of methanolic extract of fruit pericarp of *Punica granatum* against respiratory tract pathogens isolated from patients. *Proceedings of 22nd Kerala Science Congress*, 2010; pp. 44-45.

## English

Following are the activities planned for the year:-

1. Introduce peer teaching as a healthy practice.
2. Provide training in Research activities including Research Methodology to the students.
3. Revitalizing and extending the activities of the Literary Association.
4. Organize inter-departmental activities like inter-departmental seminars and interactions.
5. Improve parent-teacher-student relations by keeping in constant touch with parents.

6. Improve the evaluation process. Supervise the seminars, symposia, peer viva, group discussions, classroom assignments etc. more effectively.
7. Monitoring the attendance of the students more efficiently and effectively.
8. Organizing a National/International Seminar.
9. Inviting more external resource persons for talks and interactions.
10. Organizing Social and Media Awareness Programmes for students.
11. Focus more on the Personality Development of the students.
12. Focus on paper presentations and publications by teachers.
13. Motivate the students to attend seminars, quiz programmes and to take part in different literary competitions.
14. Giving personal counseling to intellectually weak and socially marginalized students.
15. Focusing more on UGC/NET oriented class room interactions, discussions and seminar presentations at the PG level.
16. Improving social relations of the teachers and students.
17. Improving the infrastructural facilities in the class rooms and in the Dept. staff room.
18. Conducting end-semester model viva, peer viva and model viva with external examiners for PG students.
19. Promoting reading habit among UG students by circulating back numbers of *Readers Digest* and monitoring the activities related to this with the participation of the students.
20. Continue the activities of the Book Lovers' Club more effectively.
21. Monitoring of attendance and identifying regular absentees.
22. Conducting Bridge course for PG aspirants with invited resource persons.
23. Career oriented training and personality development programmes for PG and UG students.
24. Buy more books to the library after careful study of the usefulness of the books purchased.
25. Strengthening the alumni association.

### **Outcome Achieved at the end of the year 2011-2012**

The department has exhibited considerable improvements in curricular, co-curricular and extracurricular activities. Crowning our achievements, Ajomy Maria Joseph won the I Rank in the M.A. English Final Examinations 2012 and all the 23 students of the II P.G. passed with first

class. Another landmark is the National Seminar conducted in March 2012. The students and teachers share a cordial relationship and a perfectly suitable academic ambience is maintained. Students greeted the teachers on Teachers' day and they used to distribute sweets to their friends and the teachers on their birthdays and on some special occasions in their life. There were Departmental celebrations on the Festive occasions like *Onam*, Christmas, *Keralapiravi* and so on. This has brought the students and teachers closer and helped in creating an ambience congenial for academic and personal growth. Beginners at the P.G. and U.G. level were given Orientation Programmes as soon as the commencement of their classes. Another outstanding accomplishment of the year was the 'Bridge Course' conducted for the aspirants of P.G. admission in English in June 2011. The teachers of the department acted as resource persons. Altogether the year proved to be fruitful with a number of successful endeavors to feel proud of. Yet, the department is aware of its shortcomings which we hope to tide over with more careful planning and concerted efforts. We hope to do better in the years to come.

### **Communicative English**

The plan of action for quality enhancement and the outcome achieved by the end of the year:

1. Individual attention to weak students through better parent-teacher interaction and personal counseling for the needy.
2. Giving special care to improve the curricular, co-curricular and extra-curricular activities of the students with a view to improving their overall performance..
3. Improving social relations of the teachers and students.
4. Encouraging reading habit among students
5. Monitoring of attendance and identifying regular absentees.
6. Career oriented training and personality development programmes for the students.
7. Encouraging students to participate in intercollegiate, intervarsity and other competitions.
8. Career training programmes.
9. Conducting a media seminar with invited lectures.
10. Conducting a study tour

### **Results achieved at the end of the year 2011-12**

The Department has achieved all goals set at the beginning of the year. But we still find further room for improvement in all the aspects of the teaching-learning process. A commendable achievement of the year was that the teacher-student interaction improved considerably through

personal consultations, tour programmes, academic discussions and cultural programmes. The students of the Final Year Degree Class came out with flying colours. All the 28 students who appeared for the examination got through and two of our students brought the first and second ranks and repeated the performance of their seniors at the University Examinations. Miss.Romy Thomas stood first with A-grade and Miss Anna Simi Sebastian stood second with A-grade.

## **Malayalam**

The Department has planned the following to be implemented during 2011-2012.

1. A workshop should be conducted to meet the challenges facing the teaching of modern poems.
2. To publish a newspaper with a view to promoting an aptitude for journalism among students.
3. To conduct Onam celebration with its eco-social background.
4. To study adaptation techniques, we plan to organize a drama.
5. To familiarize folk arts viz. Padayani- the department should take initiative to arrange Padayani.
6. Conduct an invited talk on the topic 'Feminism'.

## **Outcome Achieved by the end of the year 2011-12**

The following research papers were published by our faculty and research scholars.

1. The department of Malayalam organized a workshop on the Humanities: Methodology and Perspectives sponsored by Kerala State Higher Education Council on 23<sup>rd</sup> and 24<sup>th</sup> August 2011.
2. Published a newspaper named 'Malayala Sabdam' on 1<sup>st</sup> September 2011.
3. Celebrated Onam; the National festival of Kerala; on 2<sup>nd</sup> September 2011.
4. Staged a drama named 'Premalekhanam' by Surya Thiruvananthapuram on 20<sup>th</sup> September 2011.

## **Hindi**

The Department planned the following activities to be implemented during 2011-'12

1. To strengthen Hindi Association
2. Publication of Hindi research journal- Sodh Kshitij
3. Conduct research scholars' thesis presentation seminars.
4. Conduct curriculum-based quiz programmes.

5. Conduct invited talks by experts.
6. Organize semester-wise PTA meeting.
7. Offer remedial classes to SC/ST and minority students.
8. Conduct mock viva for PG students and unit tests for both UG and PG students.
9. Purchase more books for library.
10. Promote the activities of the alumni of the dept.
11. Conduct staff meetings regularly.

**Outcome Achieved by the end of the year 2011-'12**

1. Published Hindi research journal- Sodh Kshitij
2. Conducted research scholars' thesis presentation seminar.
3. Conducted curriculum-based quiz programme for PG students.
4. Organized semester-wise PTA meeting.
5. Conducted remedial classes for SC/ST and minority students.
6. Conducted mock viva for PG students and unit tests for both UG and PG students.
7. Purchased more books for library.
8. Conducted staff meetings regularly.
9. The following research papers were published by our faculty and research scholars:
  - a) TQM and Internal Quality Assurance – Dr. V. V. Georgekutty-Baselius Researcher, Baselius College, Kottayam Vol 11, No. 2, June 2011, pp. 01-10
  - b) Udath Premka Uthama Namona: Kach – Dr. P. D. George – Sodh Kshitij-Hindi Vibhag, St. Thomas College, Pala, July, 2011
  - c) Seshayatra me Adhuni Nari- Preethi R. - Sodh Kshitij-Hindi Vibhag, St. Thomas College, Pala, July, 2011
  - d) Deva Ki Mam: Sankraman Kaleen Bharatiya Nari – Dr. V. V. Georgekutty - Sodh Kshitij-Hindi Vibhag, St. Thomas College, Pala, July, 2011
  - e) Kabeer Sahitya me Hatayog – Sandhya B.- Sodh Kshitij-Hindi Vibhag, St. Thomas College, Pala, July, 2011
  - f) Dalit Chetanai Babool me – Dr. Rajimol C. R. - Sodh Kshitij-Hindi Vibhag, St. Thomas College, Pala, July, 2011
  - g) Rajendrayadav ke Upanyago me Sangi Roodhyonka Prabhab - Sodh Kshitij-Hindi Vibhag, St. Thomas College, Pala, July, 2011

- h) Dalit Empowerment and Hindi Novels – Dr. V. V. Georgekutty-Baselius Researcher,  
Baselius College, Kottayam Vol 12, No. 1, January 2012, pp. 28-37

## Commerce

Actions planned for 2011-12:-

1. National Seminar on “Direct Taxes Code and Goods and Services Tax- the Future Tax Regime in India.” (December)
2. Duty allocation among faculty members (June)
3. Model Viva along with Model Exams for IV Semester M.Com students (June)
4. Preparation of Internal Academic Audit Report and other allied annexure and files. (July)
5. Peer teaching by II PG(III SEM) students (Aug)
6. Admissions – July & August
7. STCCA Annual General Meeting (July)
8. Organizing National Seminars, Workshops and Invited Talks by eminent academicians, and practicing chartered accountants.
9. Preparations for NAAC Visit
10. Centralized mid-term test paper by the department in July and November.
11. Commerce Forum Inauguration - August  
Seminar/Workshop/Invited Talks  
Onam Celebration - September  
Com Arena-‘11 (Inter-collegiate Commerce Fest) - December  
Christmas Celebration - December  
Valedictory - March
12. 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
13. Study-tour for III DC (November) and II M Com (January)
14. Result Analysis (January)
15. Induction Programme (ComNox) (February)

16. Academic audit – March
17. Vision 2020
18. Synopsis presentation of II. M.Com Students (March)
19. B.Com Project preparation and Model Viva Voce (April)
20. Prof. Philip John Endowment
21. Remedial Classes, Support to weak students and motivation to outstanding ones  
Identifying weak students, Promoting Enterprising ones etc
22. Staff-tour (January).

**Outcome Achieved by the End of the Year 2010-11**

The academic year 2011-2012 was fruitful with a lot of academic as well as extra-curricular activities. Both UG and PG results were excellent. All II PG students passed with First Class and III B.Com result was the best in the locality (98%). The department organized a two day national seminar on “Direct Taxes Code and Goods and Services Tax- the Future Tax Regime in India” with financial assistance from UGC and with faculty support of the Institute of Chartered Accountants of India. The department initiated various programmes exclusively for the enhancement of students’ performance both in academic and non-academic fields.

**Economics**

**Proposed Activities in 2011– 12:**

Inauguration of the Economics association for the year 2011-12	Last week of August 2011
Induction programme for I MA students	I week of September 2011
Research methodology Workshop in association with Dr. P J Thomas Centre for UG Social Sciences Students	II week of October 2011
Diamond Jubilee celebrations of the Department	January 2012
Intercollegiate debate competition on the topic” FDI in Retail Trade-Is it Desirable?” in February 2012.	
‘Eco Fiesta- 12’ – Cultural fest of the students	February 2012
Union Budget Analysis in March 2012	March 2 <sup>nd</sup> week 2012
Kerala Budget analysis in association with Kottukappally Trust	First week of April 2012

**Outcome Achieved by the End of the Year 2011-'12**



Dr. Mathew Kurian, Professor Emeritus inaugurated the activities of the Economics Association on 29<sup>th</sup> August 2011. He conducted a seminar on the topic ‘European Financial Crisis and Impact on Indian Economy’.

The academic year 2011-'12 was an excellent year for the Dept. of Economics. Both UG and PG results were impressive. Further, various extra-curricular activities were organized by the Economics Association. Members of the faculty gave invited talks and presented seminars in peer institutions.

## History

### Activities Planned

The Department has planned the followings activities to be implemented during 2011-2012:-

1. Admissions – July & August
2. Training Programme in Archaeology and Museology for II DC Students at Hill Palace Museum, Trippunithura
3. Organizing an International Seminar on the Portuguese and the Dutch in Malabar with Special Reference to Cochin
4. Parents meet – Once in an academic year (Class Teacher- in Charge)
5. Support to weak students and motivation to outstanding ones, Identifying weak students, Promoting Enterprising ones etc
6. Centralized midterm test paper by the department in August, October, January and March.
7. Study tour for III DC Students.

### Outcome Achieved by the end of the year 2011-12

This Academic year was filled with vibrant curricular and extra-curricular activities. The department organized an international seminar with linkages to various national and international research bodies. The staff of the department actively participated in a number of national and international seminars and presented their research studies.

Fifteen-days training programme in Museology and Archaeology was conducted at Hill Palace Museum, Trippunithura as part of the vocational training programme designed for the II DC students. Eighteen students participated in the training programme which enabled them to deeply understand the subject with practical classes under the guidance of eminent scholars. The students submitted their dissertations on various topics.

Department has added more than 250 new books to the history section of the library by utilising the UGC grant. The department took an active role in the design of curriculum for the UG programme of the M.G. University.

Study-tour was arranged for III D C students in this academic year and students visited the Churches of Goa; one of the world heritage centers by UNESCO. Heritage Forum of the Department of History organized programmes for the preservation and protection of the cultural heritage in and around the Meenachil taluk.

### **Political Science**

A plan of action chalked out at the beginning of the year

1. More seminars and invited talks to be arranged.
2. To encourage the teachers to apply for research projects.
3. To generate a growing interest among the students and teachers to use internet and e-journals.
4. Career Guidance and Placement Cell is to be strengthened
5. More association activities and co-curricular activities
6. Publication of a journal of national/international standards
7. The activities of the alumni to be strengthened
8. Research activities will be enhanced
9. Strengthening infrastructure of the department

### **Outcome achieved by the end of the year**

During 2011-2012 the Department organized a conference on “American Studies” with the assistance of US Consulate, Chennai. The members of faculty attended several national seminars and workshops. In the M.A. Political Science Examination of the University the first and second ranks were secured by this department. The Department has secured first rank in B.A. Political Science also. The activities of Placement Cell and the Alumni Association were further strengthened during this academic year. The department organized a UGC sponsored national seminar on “Human Rights and Domestic Violence” during 22-23 March 2012. Two members of faculty attended a refresher course in JNU, New Delhi.

### **Physical Education**

The plan of action chalked at the beginning of the year towards quality enhancement and outcome achieved by the end of the year are presented below.

- a. Strengthening of the infrastructure of the department
- b. Coaching camps for various games to be initiated
- c. Participation in more inter-collegiate events
- d. Conduct of various state and inter-collegiate level events
- e. Conduct more extension activities for public

### **Outcome achieved by the end of the year 2011-12**

The legacy of sports achievement of our institution is underlined by the financial assistance sanctioned by the University Grants Commission, for the construction of a 50m Swimming Pool and a Multipurpose Indoor Stadium at our institution. The financial assistance of Rs. 1.75 crore sanctioned is the highest amount bestowed among its kind in Kerala. The proposal forwarded by the Principal to the UGC presented a detailed historical perspective of the sports achievements and the detailed plans for the infrastructure and activities envisaged. Separate proposals were forwarded for the Swimming Pool and the Indoor Stadium.

We are happy that with the new infrastructure in place the college can give a face lift to the glorious past in sports. New schemes and programme can be implemented for talent identification and sustained training regime with the much awaited and required infrastructure in place. The aim is to implement ‘ Catch them young’ scheme in the events like Badminton, Volleyball, Swimming, Athletics, Basketball and Tennis and the ‘Pay and Play’ scheme for the general public. We hope that the new infrastructure facility will help change the entire perception of the youth of this college, towards physical fitness and sports participation, thereby producing healthy and energetic aspirants contributing to the development of a healthy nation.

### **IGNOU**

The plan of action for the year 2011-12

1. To conduct an induction programme for students at the beginning of the year
2. To offer the the add-on certificate programme on career orientation to more students
3. To organize a Cake Carnival in connection with Christmas celebrations
4. To conduct moral classes and religious instruction programmes for students
5. To organize entertainment programme for students
6. To conduct a seminar on insurance sector
7. To conduct 2<sup>nd</sup> Kasturba Gandhi Keraleeyam Qquiz Competition for the feeder course on an all-Kerala basis

8. To actively participate in the annual internal academic audit
9. To update the question bank for use by students and teachers
10. To conduct internal examination with university model question papers
11. To conduct a business quiz for students
12. To promote the activities of IGNOU Students' Forum
13. To offer the DCA programme to all students and certify those who successfully complete the programme.
14. To evaluate assignments and transmit grades to university at the stipulated time.
15. To properly maintain the computer lab
16. To organize ICT-aided seminar for students with a view to training students in the proper use of technology
17. To conduct 'Meet the Parents Programme' twice a year
18. To enhance the enrolment of students for IGNOU programmes
19. To conduct a tour programme for III DC students

**Outcome Achieved by the End of the Year**

1. Conducted three internal exams, assignments evaluated and grades submitted to the university at the stipulated time
2. A question bank is updated
3. Participated in the internal academic audit conducted by the IQAC of the college
4. Conducted 2<sup>nd</sup> Kasturba Gandhi Keraleeyam Quiz competition for plus-two students in Kerala
5. Organized a workshop on Indian insurance sector.
6. Conducted the certificate programme on career orientation and competitive examinations.
7. Conducted moral classes and religious instruction programmes
8. DCA programme successfully conducted.
9. Conducted induction meeting at the beginning of the academic year
10. Commenced ICT-aided seminar system for students
11. Conducted business quiz for students, prizes and certificates were given to winners
12. Conducted a Cake Carnival on the eve of Christmass and raised fund for the activities of IGNOU Students' Forum
13. Celebrated Onam in a special way

14. Conducted PTA meetings twice for all batches separately
15. Enrolment under convergence scheme increased to 69 for BCOM
16. Conducted a picnic to Goa for the 3<sup>rd</sup> year BCOM students

### **NCC-Army Wing**

The NCC Army Unit of St. Thomas College Pala, one of the largest NCC units in 17 Kerala Battalion NCC with an enrolled strength of 160 SD cadets, is functioning properly with the aims for which it is indented for. The students from various departments are actively taking part in NCC and allied activities. They are moving ahead with a clear cut aim of societal renovation through self-development based on unity, discipline and commitment. The Unit brings a common ground for students from heterogeneous situations to mould their life through appropriate social interaction and dialogue. Unity in diversity is thus possible. NCC helps to cultivate humanitarian life style among students. It opens new avenues to cadets to understand the nation, the importance of national integrity, and technicalities in Military operations which are unattainable to ordinary people. The following actions were planned for the year:-

1. To conduct as many parades as directed by the NCC Directorate.
2. To celebrate Independence Day, Republic Day and NCC Day.
3. To organize programs that promotes national integration and patriotism.
4. To indulge in community services and awareness programs.
5. To conduct Trekking expeditions, leadership program, quiz program etc.
6. Arranging orientation programs to the cadets

### **Outcome achieved by the end of the year**

Many awareness and socially desirable programs were held under the auspices of this Unit in the academic year 2011-2012. It could mould a group of committed and disciplined youth in the campus who are always ready to extend helping hands to the society, especially the vulnerable section. The Unit is very keen to explore opportunities for cadets to develop all the spheres of life. The whole hearted support of the College Management and 17 Kerala Battalion NCC Pala is crucial in the smooth and efficient functioning of this Unit.

1. Celebrated Independence Day, Republic Day and NCC Day
2. Hosted Anti-Drug Abuse and Illicit Trafficking Seminar and Rally on 25th June 2011
3. Conducted an Orientation Programme for NCC Army Wing Cadets on 10<sup>th</sup> August 2011
4. Hosted 10 days RD preparatory camp (Kottayam Group) during 30/09/2011 —

09/10/2011

5. Built a volley ball court for Snehagiri School for mentally disabled as part of NCC Day celebrations.

### **NCC –Navy Wing:**

Activities Planned for the year 2011-12:-

The college has a Naval NCC sub unit. It started functioning in 1974 under the Jurisdiction of 5 Kerala Naval Unit NCC Changanacherry. The Sanctioned strength is 50 cadets. Science degree students who have opted for Mathematics/ Physics either main or subsidiary subject are given preference during enrollment to the Naval wing of NCC. The permanent instructional staff detailed for training the cadets are attached to INS Venderuthy Kochi; Asia's largest naval establishment. The objectives include exposing young cadets to regimented way of life which is essential to inculcate in them values of discipline, punctuality, orderliness, smartness, respect for rightful authority, and self confidence. It also aims at making use of institutional training to inculcate defense service work ethos which are characterized by hard work, sincerity of purpose, honesty, ideal of self less service, dignity of labour, secular outlook comradeship, spirit of adventure and sportsmanship.

The naval training includes the following:

1. Drill / Parade
2. Weapon training including firing
3. Leadership
4. Civil defense
5. First aid
6. Hygiene / Sanitation
7. Social Service.
8. Adventure activities

### **Outcome Achieved by the end of the year 2011-12**

Many programmes were held under the auspices of this unit in the academic year 2011-12.

1. Celebrated Independence Day, Republic Day and NCC Day.
2. Conducted orientation programme for the cadets on 20<sup>th</sup> July 2011.
3. Cadets Visited Maria Sadanam rehabilitation centre on August 15-2011.

## NSS

National Service Scheme Unit will carry out various activities to achieve its established objectives and attain its aim “Personality Development through Social Service” the following activities were proposed:-

- a. Understand the community in which they work.
- b. Understand themselves in relation to their community.
- c. Identify the needs and problems of the community and involve them in problem-solving.
- d. Develop among them a sense of social and civic responsibility.
- e. Utilise their knowledge in finding practical solutions to individual and community problems.
- f. Develop competence required for group-living and sharing of responsibilities.
- g. Gain skills in mobilising community participation.
- h. Acquire leadership qualities and democratic attitudes.
- i. Develop capacity to meet emergencies and natural disasters.
- j. Practice national integration and social harmony

### **Outcome Achieved Towards the End of the Year**

1. The NSS unit has an increased enrolled strength of volunteers.
2. Regular activities were organized in the partner village, Uzhavoor and partner institutions: Govt. LP School, Pala South; Girls Town Orphanage, Kozhuvanal and Govt. LP School, Kadanadu.
3. An advisory committee was constituted for the year 2011-2012.
4. Organized programmes for educating students about the evil effects of using narcotics.
5. Planted saplings in and around the campus.
6. Observed International Literacy Week.
7. World Population Day was observed on 11.7.2010.
8. An orientation programme for new volunteers was organized.
9. Celebrated NSS Day in a special way
10. Red Ribbon Club and Voluntary Blood Donation Forum were active during the year
11. Seedlings and flower plants were planted in the vicinages of Pala-Ettumanoor road on
12. Observed World AIDS Day, Mentally Disabled Week, etc.

13. A seven-day special camp was organized at Christjyothi School, Kayyur
14. Collected money from various sources and distributed uniform to entire students of Kadanadu Govt. L P school
15. Published a manuscript magazine

### **Career Guidance Cell**

The plan of action chalked out at the beginning of the year towards quality enhancement and the outcome achieved by the end of the year is given below:-

- 1 Develop relations between the college and employment sector in a mutually beneficial way.
- 2 Help graduates and postgraduates to choose and proceed on an optimal career path, based on the students' ability, desire and available opportunities.
- 3 Assist graduates and postgraduates obtain an orientation to the employment sector and develop Transferable Skills such as effective communication skills, Leadership skills, Teamwork skills, and management skills so that they will become productive and efficient members of the work force.
- 4 Liaise with private and public sector organizations to find out about existing job opportunities, bring them to the notice of graduates and direct the most suitable applicants to the organization.
- 5 Organize Career fair with the aim to provide an opportunity for the prospective employees to meet the employers and to explore potential career opportunities. During the event, the employers have an opportunity to meet the final year graduates and postgraduates.
- 6 Attract more students to the Bank Test Coaching programme.
- 7 Organize various programmes to improve the language skills and communication skills.
- 8 Arrange a media awareness programme for the students to familiarize themselves with the ever changing information field.
- 9 Arrange more classes for the Civil Service and UGC NET/ JRF examination coaching.
- 10 Organize career programmes to facilitate student's potentials to equip them with functional knowledge, values and attitudes, desirable habits and skills needed by them to cope up with the changes in their environment.



- 11 Focus on Personality Development for students and to help students in coming up with personal career goals.
- 12 Enlighten students on various career opportunities.
- 13 Organizing Social and Media Awareness Programmes for students and to assist students in discovering their strength
- 14 Motivate the students to attend seminars, career orientation programmes and take part in different career fairs.
- 15 Provide a wide range of books and journals for the students and encourage the students to use them.

### **Outcome Achieved at the end of the year 2011-2012**

Programmes for career guidance and personality development are conducted for all the students, batch by batch by the career guidance centre. Coaching for Bank tests, UGC NET/JRF exam are also offered. Career fests are organized every year. A number of students were recruited for various jobs under campus placement scheme. More than 300 students got selection to various nationalized/ Scheduled banks as Probationary Officers and Clerks. 17 Students were recruited by South Indian Bank as executive trainee officers by way of Campus Recruitment. They contributed a sum of Rs 2.00 lakh to the Poor Students' Aid Fund of the college.

### **Library**

The Department has planned the following to be implemented during 2011-12.

- a. Purchase of more books in all subjects
- b. More stacking/shelving facility for the purchased books
- c. Orientation classes for the new comers
- d. Purchase of more journals/periodicals
- e. Add more computer terminals in the OPAC searching.

### **Outcome Achieved by the end of the year 2011-12**

More than 2000 thousand books were purchased during this year. For shelving those books three more racks were purchased. Orientation classes are going on for all users. A Library Users Creative Forum has been inaugurated and various classes have been taken by the expert teachers on different topics. The main aim of the Forum is to acquaint the users with different books

available in the library. More computer terminals were installed in the library for book search. More journals were subscribed in different subjects.

### **Computer Centre**

Activities Planned include the following:-

- a. A well-equipped modern teaching cum training hall to be set up
- b. College computer centre to be shifted to a new building
- c. Computer lab to be updated with modern PCs
- d. New programs in collaboration with KELTRON to be started

### **Outcome Achieved by the end of the year 2011-12**

During 2011-12, a well-equipped seminar hall with adequate number of modern PCs and LCD facility was set up. This will be sufficient for the training programmes to be conducted for around 100 participants. The computer center was shifted to a modern larger room. Around 100 modern PCs were installed in the new seminar hall and the computer center of the college. About 30 students completed Diploma in Computer Hardware offered by KELTRON in collaboration with our computer centre.

### **St. Thomas College Co-operative Society Ltd. No. 4175**

The canteen and the store are managed by St Thomas College Cooperative Society Ltd.No.4175. It is an undertaking of the staff and students of the college. Like every cooperative society it has an elected Board of Directors that will meet once in a month.

### **Plan of Action for 2011-12**

- a. Modernization of kitchen and its facilities
- b. Better service and management of canteen
- c. Better services of the store with one more photocopy machine and more stationery items

### **Outcome Achieved**

The canteen has been serving the students, teachers and visitors with quality food at the cheapest rate. The canteen provided food for seminars, conferences and other programs organized by the college. It always supports the activities of NCC, NSS and other organizations in the college with necessary help. The store is now ready to accept any book purchase order and make available the books through online purchase. A new xerox machine was purchased in addition to the existing two xerox machines so as to provide better service to the academic community. It

has been providing spiral binding facility and we started binding of projects and dissertations. It supplies necessary stationery items to the students and the staff.

### **St. Thomas College Staff Co-operative Society Ltd. No. K. 434**

Plan of Action and Outcome Achieved:

Established in 1974 and registered under the Kerala Co-operative societies act 1969, St. Thomas College staff co-operative society is rendering great service and help to the college community. The society was established with the major objectives of encouraging thrift, self-help, and co-operation among staff members of St. Thomas College as well as nearby Alphonsa College and St. Thomas College Teacher Education Pala. Membership of the Society is open to the permanent staff of these institutions. The Society accepts deposits from the members and issues loans and advances to the needy members on easy terms for house construction, purchase of vehicles and other domestic purposes. The Society also conducts group deposit and credit scheme among the members.

The Society serves the student community by giving scholarships to meritorious students. The society contributes too many other activities of the member colleges by way of sponsorship to academic and co-curricular activities.

As on 31<sup>st</sup> March 2012, the society has 299 B class members and 208 A class members together making a share capital of Rs. 857398. Total deposits in the society stand at Rs 8.4 crores and total loans 6.75 crores. During the year 2011-2012, the society distributed Rs. 32250 as scholarships to students.

At present, an individual member can avail a maximum of 20 lakh rupees as loan under different categories. The society is now planning to introduce new programmes to enhance the financial security of the members and to strengthen its social commitment.

## **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 of international standards, the following programmes were organized.

#### **Invited Talk on 18 May 2011**

The resource person was Dr. A. Lawrence Gould, Biostatistician from Merck Research Laboratories, U.S.A. He spoke on the topic “Drug Safety Evaluation using Statistical Methods”.

**One-day Seminar**

One day seminar on “Modern Epidemiological Studies” was held on October 29<sup>th</sup> 2011. Dr. Anil C Mathew PSG Institute of Medical Sciences Coimbatore was the Resource Person.

**Invited Talk on 7 January 2011**

The resource person was Professor Bovas Abraham, University of Waterloo, Canada. He elaborated the opportunities for Statistics and Biostatistics postgraduates, especially in foreign countries.

**Invited Talk on 24 January 2011**

The resource person was Dr K.K Suresh, Head, Dept of Statistics, Bharathiyar University, Coimbatore. He spoke on the topic “Product Control in Industry”.

**3-day Workshop on SPSS and R**

A three day Workshop on SPSS and R was conducted for the benefit of postgraduate students during February 2012. The resource persons were Dr Jeyaseelan J and Saravanan V from CMC Vellore.

**Professor K. Ramakrishna Pillai Memorial Quiz competition- 21 January 2012**

The All Kerala Statistics Quiz competition for the Prof. K. Ramakrishna Pillai memorial trophy was conducted on 16 February 2011. 14 teams participated in the quiz. The team consisting of Aravind S and Navaneeth Krishnan of St. Thomas College Pala won the first prize. The prizes and trophies were distributed by Dr K.K Jose, Principal, St. Thomas College Pala. The Quiz coordinator was Dr Seemon Thomas.

**Training Program in SAS software for M.Sc. students**

A Workshop on SAS was conducted for the benefit of post graduate students during 10 -12 April 2012. The resource persons were Visalakshi J and Thenmozhi L from CMC Vellore.

**Mathematics**

With a view to impart quality education in Mathematics and related areas, the following programmes were organized.

**Professor Mathew T Matheikal Intercollegiate Mathematics Quiz competition**

The Department organized the “Professor Mathew T. Matheikal Intercollegiate Mathematics Quiz Competition” on 14 February 2012. Seven teams representing colleges from all over Kerala

participated. Mr. Tommy Thomas of the host Department was the quiz master. The ever rolling Trophy and first prize were won by the team representing K.E. College Mannanam. Prizes were distributed by Dr. K. K. Jose, Principal. The programme was co-ordinated by Dr. V. K Jose.

## Physics

Activities reflecting the goals and objectives of the institution

1. The curriculum activities were properly planned in a student oriented manner and obtained 100% success in graduate and post graduate examinations.
2. In the beginning of first year B.Sc and first year M.Sc classes, the scopes and possibilities of physics learning and physics research are explained so as to encourage the students to set their goals high. Guidance is given to many students to qualify for KVPY scholarships, JAM, NET, GATE, JEST, SET etc.
3. Faculty of the department actively participated in the syllabus revision discussions of M.G University held at various stages and forums.
4. Two invited talks during the academic year.
  - a. Dr. S. C. Gadkari, Director, Crystal Technology Division, BARC delivered a lecture on “Recent Trends in Crystal Technology” on 26-08-2011.
  - b. Dr. K. S. Rustagi, Professor, Department of Physics, IIT Bombay delivered a lecture on “100 years of LASERS” on 01-09-2011.

### Other activities:

Students of the department actively participated in

- i. “CYNOSURE”- The science exhibition conducted by St.Joseph’s College of Engineering and technology, Choondacherry
- ii. “Miss A Meal Program” of the college to help poor people
- iii. “Clean campus” program
- iv. “Anti narcotic” activities.
- v. Arts and sports festivals of the college.
- vi. Many of our students are active members of NSS, NCC and blood donation forum.

## Chemistry

Several enrichment programmes were arranged for the students under the auspices of the Department of Chemistry. In addition to the regular classes, remedial classes, extra classes, invited talks by experts, interaction with scientists and eminent academicians, visit to factories

and laboratories, seminars and conferences, workshops are organized in time for inspiring the students.

**a. Science Academies' Lecture Workshop**

A three-day Science Academies' Lecture Workshop on 'Quantum Mechanics, Molecular – Resonance Spectroscopy and Hands-on Experience in Spectroscopy', sponsored by Indian Academy of Sciences, Bangalore; Indian National Science Academy, New Delhi and the National Academy of Sciences India, Allahabad, was jointly organised by the Institute for Intensive Research in Basic Sciences (IIRBS), Mahatma Gandhi University, Kottayam, Kerala and the Department of Chemistry, St. Thomas College, Pala, Kottayam District, Kerala at St. Thomas College, Pala during 1-3 March 2012.

**b. CHEMQUEST 2011**

A four-day workshop titled 'Chemquest 2011 – Workshop on Chemistry-our life, our future' was organised by the Department of Chemistry, St. Thomas College, Pala during 5-8 September 2011. The Workshop, intended to celebrate the International Year of Chemistry 2011 (IYC 2011), was organised in association with Science Education Trust, Kottayam, publishers of *Sastrapadham* science magazine. The Workshop was co-sponsored by the University Grants Commission (UGC), New Delhi; Department of Science and Technology (DST), Government of India; Council of Scientific and Industrial Research (CSIR), New Delhi and Kerala State Council for Science, Technology and Environment (KSCSTE), Government of Kerala.

## **Biotechnology**

The department has undertaken the following activities:

1. The department has given individual attention to students for holistic development.
2. Every initiative has been taken to ensure quality education to all students.
3. Provided excellent training to the rural and economically backward students for their total development and to empower and enrich the community
4. Offered job oriented certificate courses for our post graduate students in the subjects Bioinformatics, Molecular Biology, Medical Biochemistry and Medical Microbiology
5. Organized programmes on Blood donation and protection of the environment

## **Botany**

1. Motivated and enhanced the quality of learning among the UG students

2. Equiped both PG and UG students in technology to make them more competent
3. Disseminated knowledge to community through collaborative research

## **Zoology**

### **Goal**

To stand as a nodal agency in the dissemination of knowledge related to animal science to the people of Meenachil and adjoining taluks of Kottayam district.

### **Achievements**

1. Identified a number of animals collected and brought to the department by the public and informed them about their relevance in the ecosystem.
2. Under open course, the non-biology students were taught about ornamental fish breeding, aquarium management, poultry farming, quail farming, rabbit farming, silk worm rearing and vermicomposting.
3. Monitoring and documentation of bird diversity of the area is going on.
4. The medicinal property of various indigenous medicinal plants was scientifically evaluated and the active principle contained in them are purified and characterized.
5. Act as a resource centre for media persons (news papers and T.V.) in matters related to animal science.

## **English**

The programmes formulated for the year envisaged an all round development in the functioning of the Department so that we move closer to realizing our long term goals with futuristic vision.

### **1. Parent-teacher- student interaction**

Students who lag behind in academic performance and discipline were given individual attention by calling them personally to the department and discussing their problems. In a few cases parents were asked to meet the Head of the Department and the tutor concerned of the class. The student was given enough time to explain his situation. The whole department shows concern for any student who is found distracted or misguided. Parents and students are given freedom to call the teachers and the H.O.D. at any time.

### **2. Department Meetings**

Dept. meetings are held every month and the Minutes record is kept in the Dept. Prof. Raju Augustine acts as the Department Secretary. Additional staff meetings are held on short notice on special occasions and in urgent situations.

### 3. Paper Presentation and Seminars attended by Teachers

- a. On 28.7.2011 Dr. Siby James presented a paper in the Indo-American seminar conducted by the Politics Department. Topic: 'Multiculturalism in America'.
- b. On 18.8.2011 Prof. P.J. Johnson gave a talk on C.B.C.S.S. to the students of the I Year Undergraduate students in the college auditorium.
- c. On 23-24.8.2011 Prof. Franci Mathew attended a two day workshop on The Humanities: Methodology and Perspectives Sponsored by the Kerala Higher Education Council at St. Stephen's college, Uzhavoor.
- d. On 23.8.2011 Dr. Siby James gave a lecture In the Methodology workshop conducted by the Dept. of Malayalam, St. Thomas College on Stylistics of Resistance.
- e. On 24.8.2011 Dr. Siby James gave a lecture on Postcolonial Workings in Language methodology and Perspectives in a seminar Sponsored by the Kerala Higher Education Council at St. Stephen's college, Uzhavoor.
- f. On 1.9.2011 Dr. Siby James gave a talk on Countering Arborescence in Postmodern Perspectives in the seminar on Deconstructing Foundations: Postmodern Perspectives in Writing at Christian College, Chengannoor. (A UGC Sponsored National Seminar)
- g. On 20-21.9.2011 Prof. P.J. Johnson attended the two day seminar on IQAC at St.Thomas College, Pala. (UGC Sponsored)
- h. On 22.9.2011, Prof. Jose Mathew and Dr. T.J Abraham attended the workshop on CBCSS Degree Syllabus Review under the auspices of the M.G. University held at Kottayam.
- i. On 24.1.2012, Dr. Siby James gave a talk on Women and Creativity at Alphonsa College, Pala.
- j. On 30-31 Jan. and 1 Feb, 2012 Dr. Siby James and Prof. Jose Mathew participated in the P.G. Curriculum Revision Workshop at MG University, Kottayam.
- k. On 8.3. 2012. Dr. Siby James gave a lecture on Postcolonial Resistance in Writing in Govt. College, Kottayam.

### 4. Invited Talks

On 5.1.2012 Sri Abhilash Sasidharan (P.G. Holder and Resercher from National school of Drama Delhi ) conducted a Workshop on Drama Acting under the auspices of the English Literary Association.



From 28 to 30 March 2012, the department organized a three-day UGC sponsored National Seminar on Postmodern Ethical Criticism in the West and East with Special Reference to Emmanuel Levinas and M. K. Gandhi. One hundred and four scholars from different fields of academia attended the seminar.

#### **5. Presentations by the present and the former students and the Research Scholars**

On 19.8.2011 Book Lovers' Club presentation of Maxim Gorkey's *Mother* by Sreenath V.S. of II M.A.English, at St.Thomas College, Pala

#### **6. Publications**

- a. Dr. T.J. Abraham Published the Proceedings of the National Seminar.
- b. Prof. P.J. Johnson Acted as Editor of the College Magazine.
- c. The Department published *Heartunes* a collections of English poems written by our teachers and students.

#### **7. English Literary Association.**

- a. On 23.8.11, The English Association was inaugurated by Cine-Serial-Drama actor Kottayam Rasheed.
- b. On 2.9.2011 Onam was celebrated on a grant level under the auspices of the English Association.
- c. On 1, 2, 3, December 2011, A film fest *Film Fiesta* was organized under the auspices of the English Literary Association.
- d. 21.12.'11 Christmas was celebrated under the auspices of the English Association.

#### **8. UGC/NET Coaching**

Coaching was given to the II P.G. students to appear for the UGC/ NET examination. Teachers of our Department took extra classes on holidays and in extra hours. Apart from this, a special UGC Coaching programme was held for 25 days. 17 students attended the programme. All Students of the II P.G. class appeared for the test. Ajomy Maria Joseph passed the examination.

#### **9. Innovative Practices**

- a. On 15.7.2011 an 'Awakening Programme' for U.G. students from 5 pm to 12 pm *Nite f Life*
- b. On 30.6.2011, Model Viva for IV Sem. PG students by Dr. Mathew Joseph and Dr. Korah Zacharias of C.M.S. College, Kottayam

- c. On 4.7.2011, the second model viva for II P.G. IV Sem. students
- d. On 18.7.2011 to 22.7.11- Bridge Course for P.G. English aspirants
- e. On 24.8.2011 a one-day orientation programme for I P.G. students.
- f. Asked the P.G. students to collect previous years' questions from each text they have to study.
- g. Asked the students to write in two pages the main ideas discussed in each period and submit it on the next day.
- h. Directed the students to learn two new words every day, write them down in a book and present the book to the teacher.
- i. Directed the students to write a new word and its meaning every day on the black board and learn it.

### **Other Activities**

#### **1. Personal Counseling to students.**

Academic counseling was given to many needy students. In very rare cases parents of such students were called to the dept. to have a better grasp of the problem. The parents were given freedom to contact any teacher on telephone at any time. They were also encouraged to visit the teachers as frequently as possible. Whenever a student was found deviating from the right track, he was called to the teacher concerned for personal correction. In some cases the parents were summoned to the Department and the matter was discussed with them and the right solution was found.

#### **10. Remedial Teaching.**

Students who lag behind in studies were given special coaching by the teachers. A student who falls ill and is unable to attend the classes for a few days would be given personal help and if needed the portions covered in his absence would be briefed for him and instructions would be given to make good the loss of the classes.

### **Communicative English**

Various programmes were organized during 2011-12 to bring about qualitative improvement in the performance of teachers and students.

#### **1. Parent-teacher- student interaction**

Students who lag behind in academic performance and discipline were given individual attention by calling them personally to the department and discussing their problems. In

a few cases parents were asked to meet the Head of the Department and the tutor concerned of the class. The student was given enough time to explain his situation. The whole department shows concern for any student who is found distracted or misguided. Parents and students are given freedom to call the teachers and the H.O.D. at any time.

## **2. Department Meetings**

Dept. meetings were held every month. Remedial teaching was the most important issue discussed. It was also resolved to examine why students absent themselves from classes. Strict measures had to be taken to curb this tendency.

## **3. Media Seminar**

During the year under review the department organized a media seminar on a grand scale. As the venue for the media seminars for the three preceding years was St. Thomas College Pala it was resolved to conduct the seminar at St. Augustinose College Ramapuram. The seminar was conducted on 15-9-2011 and 16-9-2011. 87 students from the department participated in the seminar. A special bus was arranged for taking the students to Ramapuram and bringing them back. The classes in the seminar were conducted by eminent persons like Shri. T.V. Chandran the renowned film maker, Shri. Mamas the producer of Pappi Appacha, Shri. Benzy Ayyampilly from Radio Mango, Smt. Shani Prabhakaran from Malayala Manorama, Shri. Kurian K Raju from Mangalam and Shri Shajan C. Mathew from Manorama. The participants from our college and St. Augustinose college Ramapuram were extremely happy about the classes.

## **4. Study Tour**

A study tour that lasted for five days was conducted under the leadership of Prof. Joseph Mathew. The Final Year students visited Hockanakal on the Karanataka-Tamil Nadu border and then proceeded to Wayanad to visit the tourist destinations there. On the fourth day they visited a film studio in Trichur. As they had to study travel and tourism as their elective paper the tour to Wayanad was very informative for them.

## **5. Prize winners in the campus youth festival competitions**

Many students from the department took part in the competitions and won prizes. The prize winners in different categories were:

- a. Poetry recitation- Anna Simi Sebastian II DC (second place)
- b. Elocution-Hindi- Thanzeer Raju I DC (first place)

- c. Light Music for girls –Merrin Hanna James II DC (second place)
- d. Mohiniyattam-Thanzeer Raju I DC (first place)
- e. Mono Act-Ann Maria I DC (third place)
- f. Kadhaprasangam-Lakshmipriya T Babu II DC (first), Aby P.M.I DC (second) and Thanzeer Raju I DC (third)
- g. Malayalam Recitation- Lakshmipriya T Babu (third place)
- h. Hindi Recitation – Thanzeer Raju I DC (second place) and Nithya II DC (third place)
- i. Folk Dance- Lakshmipriya T Babu II DC (first place)
- j. Photography – Santy Babu I DC (first place)
- k. Short Story Writing – Zandra Shine Mathew II DC (first place) and Anna Simi Sebastian II DC (third place)
- l. Classical Music – Alby P.S I DC (first place)

#### **6. Innovative Practices**

Class PTA was organized for the degree students in which the parents and teachers sat together and discussed the issues. The department has regular telephonic interaction with parents. In the first year class students were made to translate Malayalam into English. A few exercises of this kind enabled them to understand the differences between Malayalam and English sentences.

#### **Other Activities**

Students of all the three classes were given regular assignments. These assignments were valued by the respective teachers. Some of these assignments were used for making the internal assessment. The third year students were asked to choose topics from travel and tourism for their project work. Students submitted their projects in February 2012.

### **Hindi**

Various activities were conducted for the overall development of the students.

1. With a view to promoting mental health and skills for good meditation yoga classes were held for students.
2. Competitions promoting presentation skills of students were held.
3. Students actively participated in the Women's Forum activities.
4. Students participated in the retreat conducted at the college level.

### **Commerce**

The department is doing everything 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 are organized in time for inspiring the students to achieve higher goals in their lives. The following programmes were organized by the Dept. to help students fare well in their academic pursuits.

- a. Innovative Student Self Support Scheme (SSSS) practiced successfully with the objectives of generating their own fund for mutual help, creating an opportunity to learn practical banking as well as maintenance of books and accounts.
- b. ‘Commerce Forum’ for students’ activities. It functions properly with remarkable contributions in arranging both academic and co-curricular activities for the overall development of the students in the Department.
- c. Com Arena- a very popular annual intercollegiate event organized by the Department for providing its students an opportunity to learn the lessons of practical event management, leadership, team work, entrepreneurial traits etc.
- d. The Department is keen to send and ensure the Students participation in intercollegiate competitions held near the locality to get them excel in co-curricular activities.
- e. Highly effective career and placement supports for students by way of internal UGC coaching, industrial visits, personality development programmes etc.
- f. The Department arranges Remedial classes for weak students and conducts tutor-parent-student meets.
- g. Annual Study tours with industry visits for students.
- h. The Department encourages peer teaching. It has a great expectation on the way of learning. As part of the deeper learning, the experience of peer teaching will instill motivation in the student to explore other topics and subjects, furthering a desire to continue teaching. Senior learners/students who take on the role of peer teachers derive psychological dividends by helping other students and in doing so, they help themselves at the same time.
- i. Academic and Business Quizzes initiated.

### **Economics**

The department is providing best possible instruction and guidance to students. In addition to the regular classes, remedial classes, extra classes, invited talks, personality development programs,

workshops, inter collegiate competitions, budget analysis etc are organized in a time bound manner for enabling the students to achieve higher goals in their lives.

## History

- a. Dr. James John and Mr. Sabu Augustine participated in the Curriculum Review Workshop for UG Programme in History held in MG University.
- b. Dr. James John serves as Warden of Christhuraj Hostel and also a member of the College Council.
- c. Ms Alphine Grace Thomas was the advisor member of the Women's Forum and Vanitha Jagarana Samiti of the college.
- d. On the Job Training for the II DC students was held from 17 May to 2 June at Hill Palace, Tripunithura. 18 students of the Department have got special training in Archaeology and Museology.
- e. Dr. James John and Mr. Sabu Augustine participated in the Conference on American Studies held at St. Thomas College, Palai on 27 and 28 July
- f. Dr. James John participated in the Church History Seminar on 'Early Christian Communities of St. Thomas tradition' held under the auspices of the Liturgical research Centre, at Malad West in Mumbai from 29 to 31 July
- g. Mr.Sabu Augustine participated in the Two-day workshop on Methodology and Perspectives of Humanities held at St. Thomas College, Palai from 23 to 24 August
- h. Mr. Sabu Augustine participated in the Intercollegiate Workshop for Students on Gandhian Philosophy from 26 to 27 August at Alphonsa College, Palai
- i. Dr. James John participated in the National Seminar on 'Quality Enhancement in Teaching, Learning and Evaluation: Recent Trends and Challenges' from 19-21 September.
- j. The Department organized an International Seminar on the Portuguese and the Dutch in Malabar with Special Reference to Cochin from 9 to 12 December at St. Thomas College.
- k. Mr. Sabu Augustine participated in the National Seminar on 'Linkages of Indian Trade: the Medieval South' held at N.S.S. Hindu College, Changanacherry on 19 and 20 December 2011.

## 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 2011-2012.

**a. Conferences**

Department has organized a “Conference on American Studies” with the assistance of U S Consulate, Chennai on 27 & 28 July.

**b. Political Science Association**

The activity of Political Science Association for the year 2011 was inaugurated by Prof.V.J Joseph, former HOD of Political Science, on 7 October. Dr.K.K Jose, the Principal of the College presided over the function.

**c. Merit Day Celebrations**

The Merit Day Celebrations of the Department for the year 2011 was inaugurated by Dr.K.K Jose, the Principal of the college on 11 January 2012 and presided over by Rev.Fr Mathew Kurian, the Bursar of the college

**d. National Seminar**

The department has conducted a UGC sponsored national seminar on Human Rights and Domestic Violence on 22, 23 March 2012.

## Physical Education

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

### Summer Coaching Camp

Coaching camp for the Athletics was conducted for the college students. The camps were held under the guidance of Dr. George Emmanuel (Athletics coach KSSC).

### Participation in Inter collegiate Tournaments

Our students represented the college in 9 events in the Mahatma Gandhi University Inter collegiate championship throughout the year. The performance of our college teams at various Inter Collegiate competitions are mentioned below:

Sl No.	Event	Competition	Position
1	Cross Country	M G University Intercollegiate ( Alphonso Collge)	First
2	Weight Lifting	M G University Intercollegiate (SJCET)	Third

3	Best Physique	M G University Intercollegiate(SJCET)	Third
4	Atheletics	M G University Intercollegiate (Maharajas College)	Third
5	Swimming	M G University Intercollegiate (LNCPE Trivandrum)	Third
6	Volleyball	M G University Intercollegiate South Zone	Fourth
7	Football	MG University Intercollegiate South Zone (Marthoma Thiruvalla)	Quarterfinals
8	Cricket	M G University Intercollegiate South Zone(CMS Kottayam)	Participation
9	Power Lifting	M G University Intercollegiate (Devamatha Collge)	Second

Other activities include the conduct of Karate classes, Annual Sport Meet, Mr. St Thomas competition, Two wheeler fancy dress competition, slow bike race, Tug of War competition, Staff versus student cricket match and Inter house competitions in the sport of cricket, football and volleyball.

## IGNOU

1. Conducted an induction programme for students at the beginning of the year. The Manager, Msgr. Joseph Kollampampil, and Principal, Dr. K. K. Jose participated in the programme.
2. Organised 23 sessions of career orientation certificate programme during the year. On an average 31 students participated in the sessions.
3. Organized a cake carnival in connection with Christmas celebrations
4. Moral classes were organized for students.
5. Students presented ICT-aided seminars.
6. Conducted a seminar on Indian insurance sector on 07.10.2011. Mr.G.Radhakrishnan, Divisional Manager, LIC, Ernakulam, Mr. V.S. Anthru, Deputy Manager, New India Assurance Company, Kottayam, Mr. Johnson Varghese, Branch Manager, New India Assurance Company, Pala, Mr. Jomy George, Development Officer, New India Assurance Company, Pala and Mr. Santi George, LIC Agent, Ernakulam Division were the chief resource persons.
7. Organized 2<sup>nd</sup> Kasturba Gandhi Keraleeyam Quiz competition for the feeder course on an all Kerala basis. The competition was inaugurated by H. E. Mar Joseph Pallikapampil,



former patron of the college, on 10.11.2011. The programme aims at promoting patriotism and care for women. Following is the list of winners:

St. Augustine HSS, Ramapuram I prize and the Challenge Trophy

Govt HSS, Panamattom II prize

St. Sebastian HSS, Kadanadu III prize

St. Thomas HSS, Pala IV prize

St. Mary's Girls HSS, Pala V prize

8. Participated in the annual internal academic audit. Prepared a detailed audit report and submitted to IQAC.
9. Conducted internal examination with university model questions
10. Conducted a business quiz for students. Winners were given certificates and cash awards.
11. Promoted the activities IGNOU Students' Forum. Various programmes have been organized under the auspices of the forum.
12. The DCA programme is offered to all students. During the year 19 students successfully completed the programme and secured the certificate.
13. Assignments were evaluated and grades transmitted to university at the stipulated time.
14. The computer lab is well maintained. One member of the faculty is assigned the duty of maintenance.
15. Conducted PTA meetings in the following order:
 

I BCOM	15.7.11 and 28.11.11
II BCOM	15.7.11 and 02.12.11
III BCOM	15.7.11 and 30.11.11
16. Students' enrolment under convergence scheme raised to 69. Under the distance mode 96 students took admission during the year of report.

## **NCC-Army Wing**

### **a. Anti-Drug Abuse and Illicit Trafficking Seminar and Rally**

NCC Army Unit, St. Thomas College Pala has hosted an Anti-Drug Abuse and Illicit Trafficking Seminar and Rally organized by 17Kerala Battalion NCC Pala on 25 June 2011. The seminar session started at 10 am with the introductory speech of the Commanding Officer Lt.Col. Jojo Mathew. Eminent professors of St. Thomas College Pala, Dr. C.T Francis Dept. of Sanskrit and Dr. Sunny Kuriakose, Dept. of Chemistry

handled the sessions. It can be said undoubtedly that the sessions were utmost informative and competent to impart the necessity of leading healthy drug less life towards building of healthy and cultured society. More than 350 cadets and 7 ANOs from various colleges and schools under 17Kerala Battalion NCC Pala had actively taken part in the seminar and thereafter in the rally

**b. Orientation Programme for NCC Army Wing Cadets**

It is a pleasure to state that a one day orientation programme was held on 10 August 2011 at Tisserant Hall under the auspices of NCC Army wing of St. Thomas College, Pala. The aim of the programme was to give Cadets an opportunity to know more about NCC. Dr. K.K. Jose , Principal, St. Thomas College, who presided over the programme, highlighted the importance and role of NCC in the formation of one’s personality as well as career. Lt. Col. Jojo Mathews, Commanding Officer, 17Kerala Battalion NCC Pala, was the resource person. The orientation programme was attended by 90 cadets.

**c. NCC Day Celebration at Snehagiri School for mentally disabled**

It is a convention of NCC Army Unit of this College to arrange special occasions for cadets to understand the pulses of societal life. This unit planned to celebrate the NCC Day with the students of Snehagiri School for Mentally disabled at Munnani, Pala and to do something useful for them as a token of love. Dr. K.K. Jose , Principal, St. Thomas College, who inaugurated the programme, interacted with students and made an inspiring speech by remarking the significance of proper social interaction and the need to extend helping hands to vulnerable as well as neglected sections of the society to have them a normal way of life. Lt. Col. Jojo Mathews, CO, 17 Kerala Battalion NCC Pala, who presided over the function, highlighted the dignity of involving in socially desirable activities. He also pointed out the way the NCC trains its cadets to develop different dimensions of their personality. The School Principal Sr. Rose felicitated the gathering. Later on, as decided earlier, Dr. K.K. Jose, Principal, St. Thomas College inaugurated the work of building a volley ball court in the premises of the school. We are glad to state that our cadets worked hard and completed the same by 4.30 pm. Thereafter the court was dedicated to the School.

**d. Cadets’ participation in Camps**

a. Thirty cadets attended in ATC at S.A.H.S.S. Ramapuram during 05/05/2011-

14/05/2011

- b. UO Rajesh T.G., SGT Byju George, SGT Ibin V. Isaac, UO Noby Joseph participated in the CATC conducted at Nattokom College, Kottayam during 15/05/2011–27/05/2011
- c. UO Rajesh T.G., SGT Byju George, SGT Ibin V. Isaac, UO Noby Joseph attended in the CATC held at Marthoma College Thiruvalla during 20/06/2011– 29/06/2011
- d. SUO Pranavu P.R., SGT Cyriac B. Mathew participated in the SSB 1(Kerala) at TVPM during 27/06/2011-06/07/2011
- e. UO Rajesh T.G.,UO Noby Joseph participated in the IGC/TSC conducted at Mavoor Grasim during 13/07/2011– 22/07/2011
- f. UO Rajesh T.G.,UO Noby Joseph participated in the Pre –TSC II held at west Hill, Calicut during 26/07/2011-04/08/2011
- g. UO Rajesh T.G.,UO Noby Joseph attended in the Pre-TSC III conducted at west Hill, Calicut during 08/08/2011-17/08/2011
- h. UO Rajesh T.G.,UO Noby Joseph participated in the Pre-TSC IV (Quitting Camp) held at west Hill, Calicut during 21/08/2011-30/08/2011
- i. UO Noby Joseph participated in the TSC Delhi during 01/09/2011-14/09/2011
- j. 40 cadets of this Unit attended CATC held at Kaippuzha (IBC) during 02-09-2011-11-09-2011
- k. 45 cadets participated in the CAWATC and Pre IGC held at St. Thomas College Pala during 30-09-2011-09-10-2011
- l. Cadets Arun M., Christymon George, Manu K. Mathew and Jobin Mathew participated in the IGC (RDC) held at Mavoor Grasim during 25-10-2011-04-11-2011
- m. Cadets Arun M., Christymon George, Manu K. Mathew and Jobin Mathew participated in the Pre RDC I held at the Military Camp Pangodu during 08-11-2011–17-11-2011
- n. SGT Ibin V. Isaac, SGT Jobin Johny, SGT Sandu Jose participated in the NIC conducted at Bhilai during 14-11-2011-25-11-2011
- o. Cadets Arun M., Christymon George, Manu K. Mathew participated in the Pre RDC II held at the Military Camp Pangodu during 21-11-2011-30-11-2011
- p. 30 cadets of this Unit have participated in the ATC (SGC) held at Aruvithura during

22-11-2011-01-12-2011

- q. Cadet Jostine P. Joby participated in the ALC held at Gujrath during 03-12-2011-18-12-2011.

### **NCC –Navy Wing:**

Activities reflecting the goals and objectives of the institution:

1. Visit to the school for special children: - NCC cadets visited special school for differently abled children at Puliyanoor Pala on 18 November 2011.
2. Orientation Programme for the cadets: - One day orientation programme was held on 20 July 2011. The aim of the programme was to give Cadets an opportunity to know more about NCC.
3. Visit to rehabilitation Centre:- on 15 August 2011, 40 cadets visited ‘Maria sadanam’ Pala – A rehabilitation centre for mentally challenged people.
4. Cadets’ Participation in camps:-
  - a. Cdt. Ajay Sivan and cdt. Shijo Shaji participated in pre R.D.I at Calicut.
  - b. NSE Kollam – Nibin Abraham, James Siby, Subith Sukumaran- September 2011.
  - c. Cadet Sumesh P.S, Subith Sukumaran, Abhishek B. Chandran, Linu K.M participated in sailing expedition from changanaserry to Kollam September 2011.
  - d. Cadet Vishnu raj and Arun Reji participated in the Republic Day Camp January 26, 2012, New Delhi.
  - e. 30 Cadets participated in the ATC held at KE College Mannanam from 23.12.2011 to 02.01.2012.
  - f. P.O. cadet Jikku Joseph& P.O. Cadet Nikhil P. Tomy participated in the National intergration camp held at Maihr, Madhya Pradesh from 12.01.12 to 29. 01.12.
  - g. Cadet Abhishek B. Chandran and Sumesh P S participated in the advanced leadership camp at Tuticorin, Tamil Nadu from 23.12.2011 to 06.01.2012.
  - h. Cadet Justin Joseph participated in the Trekking Camp at Malayatoor from 23.12.11 to 01.01.2012.

### **NSS**

Advisory Committee meeting was held in the beginning of the academic year to prepare the various activities for the year. Sri Sreekanth P Thankachen II B.Sc. Botany, Sri Abin Joseph IIB.Com and Sri. Bony Jose II B.A. English were selected as Volunteer Secretaries for the year

2011-12. To motivate social responsibility of students NSS conducted work camps inside the campus on June 25<sup>th</sup> and August 20<sup>th</sup>. As a part of the community partnership programmes NSS unit collected money from various sources and distributed uniform to entire students of Kadanadu Govt. L P school and Ist and IInd standard students of Kadayam Govt L P School. As a part of spreading the importance of environment protection we conducted tree planting during Vana Mahothsav week. Smt Manikutty Santhosh SCC, Kadanadu Grama Panchayathu distributed saplings of fruit trees to entire students of Kadanadu Govt. L P school and our principal Dr. K K Jose planted trees in the school campus.

This year 169 students were enrolled as new volunteers. In order to introduce the aim, concepts, objectives etc of NSS we conducted orientation programmes for the new volunteers. On the first day (July 22) Sri Arun A P NSS trainer led the classes and on the second orientation day Sri Tom Jose Kalappura led the classes and around 95 volunteers participated in the programmes. This year also we conducted peace day on Horoshima Day (6 August) and Dr. Vincent Mathew from Central University of Kerala delivered the peace message. In order to develop competence for group living and sharing responsibilities we conducted a two day mini camp on 19-20 August. Sri Mani C Kappan, President of Kizhathadiyoor Service Co Operative Bank inaugurated the camp. Sri Shino George HRD trainer and Sri Thomas T Ephrem NSS trainer led the soft skill development of the volunteers. All volunteers got chances to stage either single or group items on stage. Campers also participated in the campus cleaning programmes. About 172 students participated in the programme. NSS volunteers celebrated different Days like Sadbhavana day (August 20), NSS Day (September 29) Water conservation Day (March 22) etc under the leadership of programme officers and volunteer secretaries.

Acquire leadership qualities and democratic values are the objectives of NSS This year's college union has good representation of NSS volunteers. NSS unit gave reception to newly elected union officials and Principal congratulated them and said that this participation reflected the success of NSS unit. The elected members are Union Chairman Sri.George Pious, general Secretary Sri Adhithya Scaria, Magazine editor Sri Nandu and eight college union councilors.

Creative Forum is working under the leadership of NSS unit for nourishing the soft skills of volunteers. Ms Jimmi, cini artist inaugurated Forum on 1<sup>st</sup> December. This year the Creative Forum of NSS published a manuscript magazine to nourish the creativity of volunteers. NSS MG university programme co ordinator Dr. Prakash K released the magazine entitled 'Spandhanam

2012'. Blood donation is an important charity action of NSS volunteers. Another Forum under NSS is Blood Donation Forum. This year we conducted blood grouping of volunteers in collaboration with medical college kottayam. On 21 January we conducted a blood donation camp with the help of Kottayam medical college. Dr Jino Jan from Kottayam MCH led the programme. This year about 118 students donated blood at different hospital in kottayam district. NSS is fighting against all public threats. AIDS is a major threat of 21<sup>st</sup> century. To create a general awareness against AIDS NSS unit conducted a rally from college to Pala private bus stand. Sri Kuriakose Padavan, Chairman, Pala Municipality, flagged off the rally. About 120 students participated in this rally. Understand the needs and issues of the society and take leadership to solve their problems is another objective of NSS. Mullaperiyar dam issue is a life threatening problem to 20 lakhs people in Kerala. To show the support of student community and create a general awareness NSS unit conducted a rally of entire college community from college to Pala municipal stadium. College Principal flagged off the rally and Dr.C.T. Francis gave the message.

NSS volunteers celebrated festivals like Onam and Christmas in accordance with its objectives like practice national integration and social harmony. This year we celebrated Onam at seven day camp. Students conducted various traditional competitions, prepared 'pookkalam", one volunteer dressed himself as Mahabali, prepared traditional onam sadya. As apart of X'mas celebration volunteers prepared gigantic X'mas star in front of the main building.

In order to develop a sense of social and civic responsibility we conducted one day legal literacy programme. Hon'ble District and Sessions Judge Sri P S Nazeer Ahammed inaugurated the programme. Adv. Mathew Mathai Muthukadan, Adv. Ravikumar, public prosecutor and Adv. Minimol Cyriac, Bar Association President, conducted classes on various topics like criminal law, Family Law and Civil law.

This year 23 volunteers from our unit participated in different inter collegiate camps held at different colleges of MG University.

NSS conducted a seven day camp to practice its objectives like understand the community in which they work, understand themselves in relation to their community, identify the needs and problems of the community and involve them in problem-solving, utilise their knowledge in finding practical solutions to individual and community problems, develop competence required for group-living and sharing of responsibilities, gain skills in mobilising community participation

etc The seven day camp began on 2 September. Prof K K Abraham, President, Pala Marketing Cooperative Society, inaugurated the camp at Kristhujyothi School, Kayyoor. The important task we have undertaken are - Reconstruction of Kayyoor- Ullanadu mud road, cleaning of KR School premises , tree planting at school premises, making Garbage pits, awareness building on cleanliness , campaigns against the use of plastic carry bags and drugs. Other activities during the camp period – cultural programmes of campers -all campers staged different items. We conducted HRD programmes, seminars, discussions, and sports events etc during camp period. Mr. Thomas T Epherem, NSS trainer conducted HRD training. Class 1 Prof Danty Joseph – Youth and Political Values 03.09.12, Class 2. Sri Jose Puthettu – Inherited knowledge of medicine and medicinal plants 4/9/12, Class 3 Dr. Davis Xaviour –Youth and social responsibility 5.9.2012, Class 4 Dr. T.V. Muralvallabhan – Sustainable Development 6.9.2012. On 8 September camp came to an end and Smt Tresa Sebastian President Bharanaganam Grama panchayathu was the chief guest of the valedictory function. This year NSS unit conducted a three day inter-collegiate camp on ‘clean earth’. 106 students from 37 different colleges participated in the programme. The camp included different programmes like HRD training, seminars, discussions, cultural items etc. Dr. Rajan Varghese Pro-Vice Chancellor of M G University inaugurated the camp on 17 February. The different seminar sessions of the camp were -Total health and indigenous medicinal plants by Mr Jose Puttettu, 1 Ice braking by Mr Benny Kurian HRD trainer, Group dynamics by Mr. Thomas T Epherem NSS trainer, Recent trends in society and NSS by Dr. Prkash K Programme co-ordinator, NSS MG U, Formula 5 personality development by Mr Samuel Chellayya, Youth Welfare Officer, House holds waste management technique by Smt Shaiby Kuruvilla Engineer AWC, Water resources in Kerala - a General Scenario by Dr. Syllas V P, MG University, Depletion of water sources- Environmental impacts by Prof Ramachandran Rtd Principal SVRNSSC Vazhoor Rev. Fr. Baby Thonikuzhy, Member Syndicate, was the chief guest of the valedictory function held on 19 February and Prof. Anitha Sanker delivered the message.

### **Career Guidance Cell**

A number of programmers were organized during 2011-2012 to bring about career opportunities and campus selection. The following programmes were organized by the Career Guidance Cell to help students to have more employment opportunities and a good career orientation.

### **Bank Test Coaching Programme**

The Career and Placement Cell of the College has been conducting a Bank Test Coaching Programme since February 2008. The Success of the programme is evident from the tremendous response of the candidates from all over the state. Over three hundred candidates trained by the cell have secured placement in various public and private sector banks as clerks and officers.

So far, 27 batches have completed their training and 2 batches are undergoing the training programme. This is designed in such a manner as to enable the candidates to take part in other competitive exams as well. The objective of this programme is to provide quality coaching for competitive exams at affordable rates. Deserving candidates are given the coaching free of cost at a concessional rates.

Prof. Tommy Cherian (Dept. of English) is the Director of the Career and placement Cell. Dr. K. V. Thomas (Dept. of Commerce) is the Co-Cordinator and Chief Resource person of the coaching programme. Other resource persons from the college include Dr. Joy Jacob (Dept. of Statistics), and Prof. Tomy Thomas (Dept. of Mathematics), Prof. Joy Alex (Dept. of Chemistry) Dr. C. K. James ( Dept. of Hindi) and Prof. Joseph J Mattam (Dept. of Economics) are the other co-cordinators of the programme. External experts in various fields also serve as resource persons. Our career Guidance Cell assist our students to participate in various career guidance programmes in the state and they have come out with flying colours.

Other major events were held on the following days:

1. A reception programme was arranged for Civil Service Exam winners on 16/06/2011
2. On 16/08/2011 'Merit-day, was organized to felicitate University Rank Winners and UGC-CSIR NET- JRF winners.
3. 17/01/2012: Career orientation Programme conducted by Atheena Acedemy, Erattupetta.
4. 25/01/2012: IELTS, English Training programme by Mark Day Acedemy Bharananganm.
5. 15/02/2012: Employment Abroad, awrenes programme by Naipunya, Kochi.

## **Computer Centre**

Activities reflecting the goals and objectives of the institution:-

- a. Internal resources generated:
- b. Training programmes: Rs.124,000/-
- c. Improvements in the library services: New books/ Journals subscribed and their value:
- d. Books related to information technology worth Rs.0.75 lakhs purchased.



### **Noteworthy features**

- a. Training to Non-teaching staff given so that they are capable of handling computers and update files.
- b. Free internet facility provided to all the students and teachers.
- c. Diploma courses conducted for the benefit of students

## **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**

The first year students of MSc are asked to solve all the problems of NCERT text books of higher secondary course.

### **Biotechnology**

Proposals are being prepared for new PG courses (Related to Advanced Biochemistry)

### **Hindi**

Hindi Translation Course developed and offered to students

### **Commerce**

The Department has submitted a proposal for an add-on course, under the UGC Scheme of Career Oriented Courses, with the objective of improving employability and entrepreneurship traits of undergraduates in our College.

### **Political Science**

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

### **Physical Education**

The long cherished and much needed academic programme for the general students of the college with regard to general fitness, first aid and sport training was introduced at Under Graduate level in the fifth semester as a part of Open course, which is elective in nature. the students were very receptive to the new course and the there were record number of applicants for the open course offered by the Department of Physical Education, christened “ Introduction

to Physical Health and Life skill Education”. Theory classes with ICT enabled gadgets and practical session on the field and multipurpose training hall were the highlight of this course.

### **IGNOU**

A system of ICT-aided seminar was commenced in the department. Ms. Sonia M. Thomas is in charge of the programme. Students were given separate topics and required to present seminars with LCD presentations.

## **3. Innovations in Curricular Design and Transaction:**

### **Statistics**

Workshops were conducted for the syllabus revision of both M.Sc. Statistics and M.Sc. Biostatistics here at St. Thomas College Pala. Draft syllabus is already prepared and approved by the University.

### **Mathematics**

Our faculty member, Mr. J Chandramohan is a member of the Board of Studies (PG) of the university. He played a significant role in designing PG syllabus. In 2012 the credit and semester system is being introduced for PG programs. A workshop was conducted by the Board of studies (PG) and two of our members participated in the workshop. Their suggestions for two new papers were accepted in the workshop. The draft syllabi of these papers were submitted to the Board of Studies.

### **Physics**

The department actively participated in the curriculum design and syllabus modernization programs of the M.G.University. Draft syllabi which would enable the students to qualify competitive examinations were prepared and submitted. Remedial teaching is conducted for students falling back.

### **Chemistry**

The faculty members of the Department of Chemistry are actively participating in workshops, symposia and seminars in connection with the revision and restructuring of curriculum at the UG and PG levels. Teachers are taking leading role in all the processes related to curriculum update in the University as well as in College level. Dr.Sunny Kuriakose was nominated by the Vice Chancellor of Mahatma Ganndhi University as the Member of the PG Board of Studies in Chemistry.

## Biotechnology

- a. Members of the Teaching Staff attended the workshop conducted by school of Bioscience, MG University, which would enable them to contribute to important decisions in the restructuring of Syllabus

The staff attended includes:

- a) Ms Meenu Maria George
  - b) Ms Praveena George
  - c) Mr. Jethinlalkhosh J.P.
  - d) Ms Dhanya T.P.
  - e) Mr.Noby Mathew
- b. Eight of our teaching staff were included in the syllabus committee for MSc Applied Microbiology
    - a. Mr. Noby Mathew
    - b. Ms Archana cherian
    - c. Ms Meenu Maria
    - d. Ms Simi Jacob
    - e. Ms Praveena George
    - f. Mr. Jethinlalkhosh J.P.
    - g. Ms Dhanya T.P.
    - h. Ms Anupama KSR
  - c. The members of the Teaching Staff use various innovative teaching methods (audio visual based teaching, online classes for specific topic etc) to simplify the learning process and make it more interactive and interesting
  - d. Periodic tests were also conducted for Postgraduate students besides the usual College and University examinations under the supervision of Prof. James Joseph, the committee includes the following staff:-
    - a) Mr. Noby Mathew
    - b) Mr. Jethinlalkhosh J.P.
    - c) MsPraveena George
    - d) Ms Dhanya T.P.

- i. Research related projects were assigned to introduce students to research work in Biochemistry, Biotechnology and Applied Microbiology and they were encouraged to publish their work in reputed journals.
- ii. Weak students were given personal attention and guidance by Prof. James Joseph. This year PowerPoint presentations were used more frequently under the supervision of Dr. Ratheesh M. The students have been guided, counseled and helped in their studies by the College management and faculty in the department. This personal attention has resulted in better attendance in classes.
- iii. Students were encouraged to use reference books and internet facility available in department and in the library
- iv. All Students were given question banks and guidelines to prepare for the examination
- v. Dr. Ratheesh M. attended the two day programme- ‘Moulders of Tommorrow’ organized by the management of St.Thomas College for improving teaching ability, new methods for teaching and handling students.

### **Botany**

Prof. Paul V. Karamthanam, Prof of Botany, nominated as member of PG Board of Studies, MGU, Kottayam. He contributed his innovative ideas for developing the new PG curriculum.

### **Commerce**

One of the faculty participated in the 2 day CBCSS Commerce Curriculum Review Workshop for Commerce Teachers held on 14 September to 15 September 2011 and three-day workshop on ‘Designing Post Graduate Programme in Commerce under Credit and Semester System’ held during 12-14 December 2011.

### **Physical Education**

The long cherished and much needed academic programme for the general students of the college with regard to general fitness, first aid and sport training was introduced at Under Graduate level in the fifth semester as a part of Open course, which is elective in nature. The students were very receptive to the new course and there were record number of applicants for the open course offered by the Department of Physical Education, christened “Introduction to Physical Health and Life skill Education”. Theory classes with ICT enabled gadgets and practical session on the field and multipurpose training hall were the highlight of this course.

## 4. Interdisciplinary Programmes Started

### Statistics

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

### Mathematics

The department offers Applicable mathematics as an open course for UG program. Students of any discipline can join this course. This course meets the requirement of those students who have not adequate knowledge in mathematics. Further it helps the students of all streams particularly those with arts and commerce background in their higher studies and to face competitive examinations

### Physics

- i) Teachers in the department were in the leadership role in organizing JRF/NET training programs in the college for the students coming from different science departments.
- ii) Guidance to students from other departments and other colleges for their project works is provided by the faculty. The facilities of the lab are also made accessible to them.

### Chemistry

Topics of current relevance such as Polymer Chemistry, Chemistry in Everyday life etc are included as the open, and the choice-based courses of the UG programme of the CBCSS BSc Chemistry.

### Biotechnology

- a. Our department discusses various aspects of tissue culture with Dr. Dennis Thomas, Associate Professor, Department of Botany.
- b. Our Mrs.Simi Jacob is teaching Bioinformatics for students in Department of Biostatistics

### Hindi

Faculty members Dr. C. K. James and Dr. P. D. George participated in the new curricular design held at Maharajas College Ernakulam in January 2012.

### Commerce

‘Fundamentals of Accounting’ is the open course offered by the Department. It paves the way for the students of other departments to learn the basics of accounting which is highly beneficial for improving their employability in the contemporary job market. It is one of the most sought after courses as per the number of applications and feed back from the students.

### **Economics**

Research methodology Workshop in association with Dr P J Thomas centre for UG social sciences students conducted on 10-10-2011. The programme was organized in association with the departments of Commerce and Politics.

### **History**

Dr. James John and Mr. Sabu Augustine participated in the One Day Curriculum Review Workshop for the UG Programme in History held in MG University, Kottayam on 25<sup>th</sup> August 2011.

### **Physical Education**

A new programme was designed and submitted to UGC under the Innovative scheme. The programme was at Post Graduate level and addressed the present lacunae in the sports journalism sector. Although the screening committee was very receptive about the need of the course, they rejected it, for want of faculty in core subject which they mistook as journalism.

### **IGNOU**

The centre commenced offering Foundation Course in Sociology (ESO-11) also to the BCOM students.

## **5. Examination Reforms Implemented**

### **Statistics**

Model question papers under the credit and semester system was prepared under the leadership of Dr. Joy Jacob, Dr. Benny Kurian and Dr. K.K Jose. 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.

### **Mathematics**

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/monthly test papers in addition to the college and university level examinations, seminars, assignments, project works and their presentations are the main methods of evaluation followed by the department. Model examinations are conducted for practicals for every batch of students for familiarizing the university examinations. Also we are very much involved in the evaluation activities of the University.

Sl. No	Name of the Teacher	Membership in Exam Board & Question Paper Setter
1	Dr. Michael Augustine	UG & PG Board of examinations
2	Prof. Raju Mathew T	UG & PG Board of examinations, Board Chairman 2009-2011 Applied Physics PG Examination
3	Dr. Simon Augustine	UG & PG Board of examinations
4	Dr. Sunny Mathew	UG & PG Board of examinations, Kerala University B.Sc Physics question paper setter
5	Dr. Ison V Vanchipurackal	UG & PG Board of examinations, Kerala and Calicut University B.Sc Physics question paper setter and Reviewer of international journals.
6	Dr. Ginson P Joseph	UG Board of examinations, External examiner of Ph.D - University of Madras Reviewer of 1. Journal of Applied Polymer Science 2. Applied Physics 3. Materials Science & Processing
7	Prof. Libin Kuriakose	UG Board of examinations
8	Prof. Antony Simon	UG Board of examinations

### Chemistry

1. Model examinations are conducted before the University examinations for both UG and PG students. Model examinations are organized by the examination section of the college.
2. Monthly test papers, quarterly test papers and unit tests are conducted for both UG and PG students under the supervision of the HOD and the class teacher.

3. Sri.V.T.Thomas, Sri.Bejoy Mathew, Dr.Sunny Kuriakose, Sri.Jogy Alex, Dr.Jose K.Xavier, Dr.G.D.Gem Mathew and Sri.Thomas V. Mathew served as members of the Board of Examiners for various UG and PG theory and practical examinations.

### **Membership in Exam Board & Question Paper Setter**

- a. Dr. Sunny Kuriakose, Member, Panel of Question Paper Setters, Kannur University
- b. Sri. Jogy Alex, Member, Panel of Question Paper Setters, Kannur University
- c. Sri. Thomas V. Mathew, Member, Panel of Question Paper Setters, Kannur University
- d. Dr. G. D. Gem Mathew, Member, Panel of Question Paper Setters, Kannur University
- e. Dr. Jose K. Xavier, Member, Panel of Question Paper Setters, Cochin University
- f. Sri. Jogy Alex, Member, Panel of Question Paper Setters, Kerala University

### **Biotechnology**

1. The examinations were conducted according to the pattern prescribed by the University

### **Zoology**

1. Previous knowledge of the lessons concerned is tested in each class by oral questioning method.
2. Monthly test papers were given to III DC students regularly.
3. Evaluated answerscripts are given to students; mistakes are cleared to each student individually.
4. For I and II DC students, in addition to general mid-terminal examinations, unit tests/class tests were given.

### **English**

Students were made to present seminars on various topics in the class. There was a synopsis viva for P.G. students for the Dissertation they submit as part of the process of evaluation. Peer Vivas were conducted for P.G. Students on a regular basis.

### **Commerce**

Mock Viva for PG students, unit tests and internal evaluation for UG, UGC-NET coaching and model tests for Final year M.Com students etc. were conducted.

### **Economics**

Seminar for UG students for selecting and preparing research projects, Mock viva-voce for PG students, Model test papers and instant tests etc



## History

Conducted unit tests and internal evaluation for UG students

## 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.

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

### Mathematics

Jilumol M, our M Sc student of 2008-10 batch qualified U G C – C S I R- N.E.T.

### Physics

Students of our department are securing outstanding ranks in national level eligibility tests. The statistics of the current period is given below: –

1. Augustine J Edakkara- (CSIR NET-2011 June)
2. Silcilla Joseph- (CSIR NET- 2011 June)
3. Anvy Molly Tom- (GATE-2012 February)
4. Sr. Anju K Augustine- ( GATE-2012 February)
5. Bibin KK- (SET 2011 September)

### Chemistry

#### Rank Holder: University Examinations

Sr. Princy Philip (II Rank - M.Sc Chemistry 2011)

#### Joint CSIR/ UGC/ JRF/NET Qualified

1. Jain Maria Thomas
2. Jessica Elizabeth Philip
3. Teena James

#### PhD Awarded

1. Dr.Lucy Mathew P.

Research guide : Dr. Sunny Kuriakose

Title of the thesis : Linear and Dendritic Macromolecules Modified with Porphyrin and Metalloporphyrins: Synthesis, Characterisation and Photoresponsive Studies

### Biotechnology

- i. Two students qualified Ph.D. entrance examination conducted by Central University of Kerala, Kasargod

### **Botany**

Following is a list of students qualified the tests:

1. Sijo Mathew CSIR-UGC NET
2. Biju George CSIR-UGC NET
3. Tinu Thomas CSIR-UGC NET
4. Jayakrishnan V K -IFS (Forest Service)

### **Hindi**

One candidate (Bindu P. V.) passed NET and two candidates passed SET

### **Commerce**

Sonia Mary Simon qualified the NET during the year.

### **Economics**

Krishna Prabha C B and Aswathy M V, Anumol Sebastian and Thara Thomas qualified NET during the year.

### **Political Science**

Ranjith V.T qualified NET for lectureship

## **7. Initiative towards Faculty Development Programme**

The students evaluate the yearly performance of teachers and teachers are given the report for pursuit and improvement. Teachers are encouraged to register for Ph.D programme and are also given opportunity to attend seminars.

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

### **Statistics**

Conducted 3 workshops and 3 invited talks

### **Mathematics**

Conducted 1 workshop

### **Physics**

1. The DST-PAC meeting for major physics scientists in India was hosted by the Department of Physics during 2-3 September 2011.

2. The Department hosted a 14-day Science Academies Refresher Course in “Condensed Matter and Statistical Physics” from 28-2-2011 to 13-3-2011 sponsored by Indian Academy of Sciences- Bangalore , New Delhi and Alahabad.
3. Workshop on Computer Interfaced Science Experiments during 12-13 December 2011.
4. Dr. S. C. Gadkari, Director, Crystal Technology Division, BARC delivered a lecture on “Recent Trends in Crystal Technology” on 26-08-2011.
5. Dr. K. S. Rustagi, Professor, Department of Physics, IIT Bombay delivered a lecture on “100 years of LASERS” on 01-09-2011.

## Chemistry

### Science Academies’ Lecture Workshop

A three-day Science Academies’ Lecture Workshop on ‘Quantum Mechanics, Molecular – Resonance Spectroscopy and Hands-on Experience in Spectroscopy’, sponsored by Indian Academy of Sciences, Bangalore; Indian National Science Academy, New Delhi and the National Academy of Sciences India, Allahabad, was jointly organised by the Institute for Intensive Research in Basic Sciences (IIRBS), Mahatma Gandhi University, Kottayam, Kerala and the Department of Chemistry, St. Thomas College, Pala, Kottayam District, Kerala at St. Thomas College, Pala during 1-3 March 2012. Prof. (Dr.) M.S. Gopinathan, Fellow of the Indian Academy of Sciences, Bangalore and Professor, IISER Thiruvananthapuram was the Convener of the Lecture Workshop. Dr. I. Ibnusaud, Director, Institute for Intensive Research in Basic Sciences (IIRBS), Mahatma Gandhi University, Kottayam and Dr. G.D. Gem Mathew, Associate Professor, Department of Chemistry, St. Thomas College, Pala were the Coordinators.

### Chief Resource Persons

The following eight nationally reputed professors/scientists in Chemistry/Physics were the chief resource persons:

1. **Prof. (Dr.) M.S. Gopinathan**, Professor, Indian Institute of Science Education and Research, Thiruvananthapuram
2. **Prof. (Dr.) S. Ramasesha**, Professor, Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore
3. **Prof. (Dr.) K.L. Sebastian** Professor, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore

4. **Prof. (Dr.) N. Chandrakumar** Professor, Department of Chemistry, Indian Institute of Technology Madras
5. **Prof. (Dr.) Mangala Sunder K.** Professor, Department of Chemistry, Indian Institute of Technology Madras

### **CHEMQUEST 2011**

A four-day workshop titled 'CHEMQUEST 2011 – Workshop on Chemistry-our life, our future' was organised by the Department of Chemistry, St. Thomas College, Pala during 5-8 September 2011. The Workshop, intended to celebrate the International Year of Chemistry 2011 (IYC 2011), was organised in association with Science Education Trust, Kottayam, publishers of *Sastrapadham* science magazine. The Workshop was co-sponsored by the University Grants Commission (UGC), New Delhi; Department of Science and Technology (DST), Government of India; Council of Scientific and Industrial Research (CSIR), New Delhi and Kerala State Council for Science, Technology and Environment (KSCSTE), Government of Kerala. Dr. G.D. Gem Mathew, Associate Professor, Department of Chemistry, St. Thomas College, Pala was the Co-ordinator of the Workshop.

### **Chief Resource Persons**

The following five nationally reputed professors/scientists in Chemistry were the chief resource persons:

1. **Prof. (Dr.) C. G. Ramachandran Nair** (Former Principal Secretary to Government, Department of Science, Technology and Environment, Government of Kerala), 'Neckar', TENRA – 102, Thycaud, Trivandrum – 695 014.
2. **Prof. (Dr.) K. George Thomas**, Professor and Head, Department of Chemistry, IISER Thiruvananthapuram, CET Campus, Trivandrum – 695 016.
3. **Prof. (Dr.) Sabu Thomas**, Professor and Director, School of Chemical Sciences, Mahatma Gandhi University, Kottayam – 686 560.
4. **Prof. (Dr.) Kuruvilla Joseph**, Professor and Head, Department of Chemistry, Indian Institute of Space Science and Technology (IIST), ISRO, Trivandrum – 696 547.

### **Biotechnology**

1. One of the quality enhancement measures introduced in the college is the systematic arrangement of national/international/state-level seminars/conferences and workshops.

One national seminar sponsored by KSCSTE on “Emerging Trends in Biotechnology and Applied Microbiology” was conducted during 29-30 March 2012.

## Botany

The department conducted a seminar on ‘Bioprospecting of Plant Genetic Resources of Western Ghats’ during 22-23 November 2011. The seminar was sponsored by UGC, KSCSTE and MG University.

**NATIONAL CONFERENCE ON BIOPROSPECTING OF GENETIC RESOURCES**

**REGISTRATION FORM**

- Name (In block letters) :
- Designation :
- Official mailing address :
- Phone :
- E-mail :
- Fax :
- Age :
- Sex :
- Vegetarian/Nonvegetarian:
- Type of accommodation needed: Hostel/Hotel/Not needed
- Academic Qualification:
- Are you presenting a Paper? Yes/No
- If yes
- Title of the paper :
- Poster/Oral
- Abstract enclosed : Yes/no
- Accommodation required? Yes/No
- Details of DD: No. \_\_\_\_\_ Date \_\_\_\_\_

Place: \_\_\_\_\_ Signature \_\_\_\_\_  
Date: \_\_\_\_\_

If there are more participants from an organization photocopies of the registration form can be used.  
Those who need hotel accommodation will have to pay the actual hotel expenses separately.

Mailing address:  
Dr. Jomy Augustine, Convener  
National Conference on Bioprospecting,  
Department of Botany, St. Thomas College,  
Palai, Arunapuram (PO), Pin 686 574, Kottayam (DT), Kerala, India

**Proceedings**  
Since we are planning to release the proceedings, we request you to submit the full paper on or before 03-11-2011. All selected papers will be edited by a review committee and published as proceedings immediately after the conference. The manuscript should be of 2500-3000 words approximately, excluding tables, graphs and charts. Research papers, in English, with title, authors affiliation, key words and the text (with abstract, introduction, materials and methods, results, discussion and references) along with duly filled registration form must reach us by e-mail (jomyaugustine@rediffmail.com, or den.thuruthy1@yahoo.com) before 30th October, 2011. The name of the presenting author should be underlined. The acceptance of the paper will be confirmed to the registered author by e-mail before 3rd November 2011. The authors are requested to follow the instructions to authors of the journal "Current Science". Final decision on the selection of papers rest with in the review committee.

**Guidelines for poster presentation**  
The poster should be 120x80 cm size. It should be organized in to introduction, materials and methods, results, discussion and references. The matter shall be brief with illustrations, graphs and photographs.

**About the College and the Department**  
St. Thomas College, Palai, founded in 1950, is one of the oldest colleges affiliated to Mahatma Gandhi University. The college has proved its dynamic presence in the field of higher education and co-curricular activities for the past half a century. At present this college has fourteen post graduate Departments of which eleven are approved research centres. The Department of Botany was started in 1953 and is an approved research centre for various disciplines of plant sciences including Plant systematics, Plant tissue culture, Ecology and environmental biology, Reproductive biology, Phytochemistry, Stress Physiology etc.  
The College is situated at Palai, the celebrated rubber town of Kerala. The nearest railway station is Kottayam, about 25 Kms away from Palai and it will take only 45 minutes travel by bus to reach here. It is about 60 Kms away from Ernakulam Airport (Nedumbassery)/Railway station.

**St. Thomas College, Palai**  
(College with Potential for Excellence - UGC)

UGC SPONSORED  
NATIONAL CONFERENCE ON  
**BIOPROSPECTING OF PLANT GENETIC RESOURCES OF WESTERN GHATS**  
NOVEMBER, 22-23, 2011  
Venue  
St. Thomas College, Library Hall

Organized by  
POST GRADUATE AND RESEARCH DEPARTMENT OF BOTANY  
ST. THOMAS COLLEGE, PALAI  
ARUNAPURAM (PO), PIN-686574  
KOTTAYAM (DT), KERALA, INDIA  
(Under Mahatma Gandhi University, Kottayam)

PHONE: 04822-212317  
FAX: 04822-216313  
E-MAIL: jomyaugustine@rediffmail.com  
WEB SITE: www.stcp.ac.in

Co-sponsored by  
KSCSTE, Government of Kerala  
Mahatma Gandhi University

## Hindi

One seminar on Research Methodology was conducted which was led by Dr. Mathew Joseph former HOD of English of the college. PG students, research scholars and members of faculty participated in the seminar.

## Commerce

During 2011-12 the Department organized a National Seminar. The details are given below:

1. National Seminar on ‘Direct Taxes Code and Goods and Services Tax’ at St. Thomas College, Pala (sponsored by the U.G.C.) 15-16 December 2012.

## Economics

Workshops/seminars/lectures organised during the year

1. Intercollegiate debate competition on the topic “FDI in Retail Trade-Is it Desirable?” on 16 February 2012.

2. 'Eco Fiesta- 12' – Cultural fest of the students.- 16 February 2012
3. Interactive session of the existing and retired faculty members to chalk out the diamond jubilee programmes-16 February 2012 evening
4. Union Budget Analysis in March 2012. -21 March 2012. Dr Alwyn Prakash Chairman, Kerala State Expenditure Committee and Sri N S Bijuraj, Senior Reporter, Mathrubhumi were the resource persons. A college level competition for Union Budget presentation was also conducted.
5. Kerala Budget discussion in association with George Thomas Kottukappally Trust on 21 April 2012.

### **History**

The department has organized an International Seminar on the Portuguese and the Dutch in Malabar with Special Reference to Cochin during 9-12 December 2011 at St. Thomas College, Pala in Collaboration with ICHR, IRISH and Department of Archaeology, Govt. of Kerala.

### **Political Science**

During 2011-2012 the Department organized a “Conference on American Studies” with the assistance of U S Consulate, Chennai. During this academic year the department has organized another UGC sponsored national seminar on ‘Human Rights and Domestic Violence’ during 22-23 March 2012.

### **IGNOU**

The centre conducted a seminar on ‘Indian Insurance Sector’ on 07.10.2011. Mr.G.Radhakrishnan, Divisional Manager, LIC, Ernakulam, Mr. V.S. Anthru, Deputy Manager, New India Assurance Company, Kottayam, Mr. Johnson Varghese, Branch Manager, New India Assurance Company, Pala, Mr. Jomy George, Development Officer, New India Assurance Company, Pala and Mr. Santi George, LIC Agent, Ernakulam Division were the chief resource persons.

### **NCC-Army Wing**

NCC Army Unit, St. Thomas College Pala hosted an Anti-Drug Abuse and Illicit Trafficking Seminar and Rally organized by 17Kerala Battalion NCC Pala on 25 June 2011. The seminar session started at 10am with the introductory speech of the Commanding Officer Lt.Col. Jojo

Mathew. The eminent professors of St. Thomas College Pala, Dr. C.T Francis Dept. of Sanskrit and Dr. Sunny Kuriakose, Dept. of Chemistry handled the sessions.

## 9. Research Projects

### Statistics

- Newly implemented: Nil
- Completed: Two UGC Minor Projects by the following faculty members
- Major project proposals are submitted to UGC, DST and MOSPI.

### Mathematics

- Newly implemented: Dr. Raj Mathew  
Title: "A Fuzzy approach to Strategic Games and an Analysis of Exchange network Dilemmas" Sponsoring Agency: D S T (Rs.200000)
- Ongoing: Nil
- Faculty members submitted proposals for major projects to DST and MOSPI.

### Physics

#### Newly implemented and ongoing projects:

Dr. Vincent Mathew	Study of electromagnetic fields and propagation in ferroelectric and multiferroic waveguide structures	UGC	2009-2012	7, 50,800
Dr. Ginson P Joseph	Studies of the Physico-Chemical Properties of organometallic NLO crystals for photonics device fabrication	UGC	2009-2011	1,15,000
Dr. Ginson P Joseph	Studies on the Electrical, thermal and non-linear optical properties of Metal substituted and swift heavy ion irradiated organometallic photonic Crystals.	DST	2010-2013	20,00,000
Dr. Michael Augustine	Simulation of wave propagation in magnetically tunable nonlinear waveguide structures containing ferrite	UGC	2009-2011	45,000

	films			
Dr. Ison Vanchipurackal	“Investigating photo-induced charge transfer between semiconductor nanocrystals and polymers for photovoltaic applications”	UGC	2011-2013	87,000
Dr. Ison Vanchipurackal	“Functionalization and colloidal processing of morphology and composition controlled PbX nanocrystals and investigating their intercoupling for quantum dot sensitized solar cells”	DST	2011-2014	20,0000
Dr. Sunny Mathew	Electrical and optical properties of ZnO nanostructured Thin Films for gas sensors	UGC	2011-2013	85,000
Dr. Simon Augustine	Effect of annealing on structural, electrical and optical properties of pure and doped ZnO thin films under different oxygen partial pressures	UGC	2010-12	1,65,000

Dr. Ison V. Vanchippurackal has received the Summer Research Fellowship of the Indian Academy of Sciences, Bangalore in the year 2012. The topic of the work is “Probing Carrier Localization in Heterostructured Semiconductor Nanocrystals”. The work is being carried out under the guidance of Prof. K. George Thomas of School of Chemistry, Indian Institute of Science Education and Research (IISER), Trivandrum.

#### Completed projects:

Prof. Raju Mathew T.	Preparation of electrical Characterization of ZnO nanostructure thin films by two step chemical bath deposition technique	UGC	2009-2011	35, 000
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Dr. Ginson P Joseph	Studies of the Physico-Chemical Properties of organometallic NLO crystals for photonics device fabrication	UGC	2009-2011	1,15,000
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## Chemistry

### Major Research Projects

Sl No	Title	Investigator(s)	Sponsoring Agency	Amount (Rs)	Duration / Status
1	Development of a Computer Programme for Researchers in Discrete Mathematical Chemistry (No.SR/S4/MS-479/2007, dtd.29.05.2008) (Co-PI)	Dr. Sunny Kuriakose (Co-PI)	DST, New Delhi	276000	3 Yrs Ongoing

### Minor Research Projects

Sl No	Title	Investigator(s)	Sponsoring Agency	Amount (Rs)	Duration / Status
1	Synthesis, Characterisation and Photochemical Studies of some Novel Linear and Hyperbranched Polymers	Dr. Sunny Kuriakose (Co-PI)	UGC	50,000	2 Yrs Completed
2	New Generation Anti-microbial Coating Based on Silver Nanoparticle Dispersed Hyperbranched Polyglycerols Containing	Dr. Sunny Kuriakose	UGC	85,000	2 Yrs Ongoing

	Multichromophoric Groups (No.MRP(S)-473/09-10 KLMG027/UGC-SWR,dtd.30.11.09)				
3.	Investigations on the Fate and Control of Water Pollution Due To Synthetic Detergents No. MRP(S)-499/09-10/KLMG027/UGC-SWR dated Nov 2009	Dr. Jose K. Xavier	UGC	75,000	2 Yrs Ongoing
4	Development of cellulose-fibre reinforced poly propylene composites No. MRP(S)-989/10-11/KLMG027/UGC-SWRO dated 10 Feb 2011	Dr.G.D.Gem Mathew	UGC	190,000	2 Yrs Ongoing
5	Functionally modified natural polymers such as lignin: synthesis, characterization and photoresponsive studies No. MRP(S)-987/10-11/KLMG027/UGC-SWRO dated 10 Feb 2011	Thomas V. Mathew	UGC	140,000	2 Yrs Ongoing

**Biotechnology**

1. Two project proposals have been submitted; one major project proposal to UGC and the other to Coconut Development Board

## **Botany**

i) Newly implemented: Nil

iii) Completed:

1. Rapid Biodiversity Assessment of Meghamalais, the Ecological Zone of Periyar Tiger Reserve. Report submitted to Kerala Forest Department
2. Rapid Biodiversity Assessment of Aralam Wildlife Sanctuary, Kerala. Report submitted to Kerala Forest Department.
3. Impact of Development on the Biodiversity of Sabarimala-Poonkavanam. A Rapid Biodiversity Assessment. Report submitted to School of Social Sciences, Mahatma Gandhi University, Kottayam, Kerala.
4. Activities related to the collection of Black dammar from Periyar Tiger Reserve, Kerala. Report submitted to Kerala Forest Department.
5. Checklist of the Higher Plants of Aralam Wildlife Sanctuary, Kerala. Report submitted to Kerala Forest Department
6. The Biodiversity Monitoring Programme in Karoor Grama Panchayat, Kottayam District, Kerala submitted to Kerala State Council for Science Technology and Environment, Thiruvananthapuram
7. Checklist of Flowering plants of Malabar Sanctuary submitted to Kerala Forest Department.
8. Flowering plants of Choolannur Pea cock Sanctuary, Palakkad. Submitted to Kerala Forest Department

## **Zoology**

### **PhD awarded**

Candidate - Shibumon George

Topic – Medicinal properties of common fruits

Place of work- Dept of Zoology, St. Thomas College, Palai

Supervising teacher- Dr. P.J.Benny

Date of award- January, 2011

## **Hindi**

- a) Newly implemented: NIL
- b) Completed: Dr. V. V. Georgekutty-Dalit Empowerment and Hindi Fiction-UGC allotted Rs 75000/- (completed in 2011-'12)
- c) Ongoing project – Dr. C. K. James – Hindi Language Teaching in Kerala-UGC allotted Rs 75000/-

**Commerce**

Ongoing : One

UGC Major Research Project on “Micro Finance – An Alternative Approach to Financial Inclusion, Women Empowerment and Sustainable Income Generation – A Case Study of Kudumbasree Initiatives in Kerala” – Principal Investigator – Dr. K.V. Thomas, Co-investigator – Mr. Bobby Simon

**Political Science**

- a) Newly Implemented: Nil
- b) Completed: Sijo K Manuel: UGC Minor Project Titled ‘Human Rights and Role of NGOs: A Study on Amnesty International (2000- 2007)’ funded Rs. 50000/-, Ref. No. - MRP (H) - 838/09- 10/KLMG027/UGC- SWRO (Completed 2011)

**10. Patents Generated if any:**

Nil

**11. New Collaborative Research Programmes:**

**Physics**

Dr.Vincent Mathew	Dr. Vincent Mathew has research collaboration with Dr. Sergie V. Kukhlevsky of Pecs University, Hungary, on Quantum Optics. Also he has collaboration with University of Delhi (Dr. P.Arun, Dr. A.G.Vedeshwar).
Dr. Ison V Vanchipurackal	Dr. Ison V. Vanchipurackal has collaborations with CIE-UNAM 62580 Temixco Mexico, Bio-Nano Electronics Research Center TOYO University Japan, Indian Institute of Technology Delhi, Inter University Accelerator Center New Delhi, Department of Physics Panjab University, Indira Gandhi Centre for Atomic Research, Kalpakkam (IGCAR)

	and National Physical Laboratory New Delhi, IISER Trivandrum.
Dr. Ginson P Joseph	Dr.Ginson P. Joseph has collaboration with department of Physics, Delhi University, Cochin University of Science & technology, Raman Research Institute, Loyola College, University of Hyderabad and IGCAR, Kalpakkam, University of Malaya

## Chemistry

We established research collaborations with many reputed universities and research institutions. The research and analytical facilities of these institutions are shared by the research scholars and teachers of the department. A list of such institutions is given below:

1. Johannes-Gutenberg University, Mainz, Germany
2. Pusan National University, Busan, South Korea
3. Indian Institute of Technology, Chennai.
4. Dublin City University, Dublin, Ireland
5. Cochin University of Science and Technology

## Biotechnology

Our faculty member Dr. Ratheesh M. has research collaboration with Indian Institute of Science, Bangalore and Govt.Ayurveda College, Thiruvananthapuram.

## Botany

1. Production of elite seedlings of Coconut (*Cocos nucifera*)-Agency- Coconut Board, Govt. of India
2. Biodiversity Assessment in the Rubber plantations of Kerala State – Agency- RRII
3. Biodiversity monitoring in Protected Areas of Kerala State - Eravikulam National Park, Mathikettan Chola National Park, and Idukki Wildlife Sanctuary – Agency- Dept of Forest, Kerala state

4. Biodiversity documentation of the Protected areas of Kerala State – Chinnar WLS - Agency- Dept of Forest, Kerala state

## **12. Research Grants Received from Various Agencies:**

### **Statistics**

UGC-PG Grant: Rs.5.5 lakhs

### **Physics**

Over twelve lakh rupees from UGC and about thirty lakh rupees from DST India

### **Commerce**

In the academic year the Department received Rs. 3, 00,000 on 27/05/2010 and Rs. 2, 00,000 on 27/08/2011 from the UGC, out of which Rs.1, 50,000 for subscribing books, Rs. 2, 50,000 for purchasing equipments, Rs. 50,000 for field work, and Rs. 50,000 for any other academic related purposes.

### **Physical Education**

Sri Ashish Joseph, Assistant Professor was sanctioned a minor project by UGC.

## **13. Details of Research Scholars:**

### **Statistics**

Following is a list of research scholars in the department:

1. Bindu Abraham
2. Jane A. Luke
3. Aleyamma Mathew
4. Rani Sebastian
5. Binoy Jacob
6. Manu Mariam Thomas
7. Mariamma K.D.
8. Ramesh B. Nair
9. Bindu P.
10. Sreejith V.
11. Remya Sivadas

### **Mathematics**

Sl.No.	Name of the Research Scholar	P.T/F.T	Name of the Guide
1	Rajalekshmi V G	F.T	Dr. M. S Samuel
2	Pradeesh George	F.T	Dr. M. S Samuel
4	Ullas Thomas	P.T	Dr. Sunil C Mathew
5	Annie Kurian K	P.T	Dr. M. S Samuel
6	Lovelymol Sebastian	P.T	Dr. M. S Samuel
7	Salma Mary K Abraham	P.T	Dr. M.S Samuel
8	Anjaly Jose	F.T	Dr. Sunil C Mathew
9	Anitha Thomas	P.T	Dr. M. S Samuel
10	P Alayamani	P.T	Dr. D S T Ramesh

Ms Lovelymol Sebastian and Ms Anitha Thomas have submitted their theses.

## Physics

Sl.N o	Name	Category	Area of Research	Supervisor
1	Anju Babu	Full time	Plasmonics	Dr. Vincent Mathew
2	Jesly Jacob	Part time	Plasmonics	Dr. Vincent Mathew
3	Sr. Ann Mathew	Part time	Quantum Electronics	Dr. Vincent Mathew
4	Ajith R	Full time	Quantum Electronics	Dr. Vincent Mathew
5	Jolly Andrews	Part time	Quantum Electronics	Dr. Vincent Mathew
6	Gishamol Mathew	Part time	Plasmonics	Dr. Vincent Mathew
7	Saji Joseph	Part time	Quantum Electronics	Dr. Vincent Mathew
8	Bhagyaraj C	Part time	Plasmonics	Dr. Vincent Mathew
9	Prince Thomas	Full time	Crystallography	Dr. Ginson P Joseph
10	Sreekanth G	Full time	Crystallography	Dr. Ginson P Joseph
11	Santhosh Kumar R	Part time	Crystallography	Dr. Ginson P Joseph
12	Sijosh Joseph	Part time	Crystallography	Dr. Ginson P Joseph
13	Augustine J Edakkara	Part time	Nano Materials	Dr. Ginson P Joseph
14	Sunil C Vattapalam	Full time	Thin film	Dr. Sunny Mathew
15	Deepu Thomas	Full time	Thin film	Dr. Simon Augustine

16	Ajith Thomas	Full time	Nanomaterials	Dr. Ison V Vanchippurackal
17	Subish John	Full time	Nanomaterials	Dr. Ison V Vanchippurackal
18	Anju Elsa Tom	Full time	Nanomaterials	Dr. Ison V Vanchippurackal
19	Albin George	Full time	Nanomaterials	Dr. Ison V Vanchippurackal

### 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

### Botany

Sl No	Name	Full Time / Part Time	Area of Research	Supervisor
1	Sri. Biju Joseph	P.T.	Plant Tissue Culture	Rev.Dr. Mathew M.M
2	Mrs. Anice Thomas	F.T.	Plant Physiology	Dr. P.O. Augusthy
3	Sri Salvy Thomas	P.T.	Plant Physiology	Dr. Stephan Joseph
4	Miss Smitha S. Nair	P.T.	Plant Taxonomy	Dr. Jomy Augustine



5	Sri Mathew M. Kuriakose	P.T.	Plant Taxonomy	Dr. Jomy Augustine
6	Sri Sreejesh KR	P.T.	Plant Taxonomy	Dr. Jomy Augustine
7	Sri. Shal Chandran	P.T.	Plant Physiology	Dr. P.O. Augusthy
8	Sri Bince Mani	P.T.	Plant Tissue Culture	Dr. Dennis T. Thomas
9	Miss Jyothi Abraham	F.T.	Plant Tissue Culture	Dr. Dennis T. Thomas
10	Mrs Sweetymol Jose	F.T.	Plant Tissue Culture	Dr. Dennis T. Thomas

### Zoology

Sl. No.	Name	Full time/ Part time	Area of Research	Supervisor
1	Dhanya P	FT	Biochenmistry/Phytochemistry	Benny P.J.
2	Aravind Gopal	FT	Biochenmistry/Phytochemistry	Benny P.J.
3	Tom Mathew	PT	Biochenmistry/Phytochemistry	Benny P.J.
4	Asha Gangadharan	FT	Biochenmistry/Phytochemistry	Benny P.J.

### English

1. Anju K.N	21. Fr. Jose Joseph
2. Sophia James	22. Sheela V. Issac
3. Litty Joseph	23. Fr. Joel Jacob
4. V.R.N. Kokila	24. Arunkumar K.V.
5. Lalitha Joseph	24. Kavitha Gopalakrishnan
6. Abhilash Mathew	25. Minimol V.A.
7. Saroj V. Haridas	26. Nithya P.K.
8. M.J. Joseph	27. Ashish Martin Tom
9. Robin Xavier	28. Tomas Zacharia
10. Rekha Mathews	29. Sheena George
11. Saju Joseph	30. Princy Jacob
12. Asha John	31. Tom Thomas

13. Indu K.S.	32. Rosemol P. Raju
14. Arun Salim	33. Elsa C. Maria Sebastian
15. Aswathi Balachandran	34. Lijiamol Thankachan
16. Jaison Davis	
17. Benny Kurian	
18. Sonia Sebastian	
19. Franci Mathew	
20. Litty Lilly Francis	

### Hindi

1. Neerada Maria	FT	Short Story	Dr. K. M. Mathew' (Awarded)
2. Preethi R.	FT	Short Story	" (Ongoing)
3. Dhanya Sadanandan	PT	Short Story	" (Ongoing)
4. Nisha S. Nair	FT	Novel	" (Ongoing)
5. Rajani V. A.	FT	Novel	" (Ongoing)
6. Chandralekha P.	FT	Short Story	Dr. V. V. Georgekutty (Awarded)
7. Shija Grace	FT	Short Story	" (Ongoing)
8. Shemi John	PT	Short Story	" (Ongoing)
9. Bindu P. V.	FT	Short Story	" (Ongoing)
10. Shobhitha Sebastian	FT	Short Story	Dr. MathewThomas (Awarded)
11. Kochurani Joseph	FT	Short Story	" (Ongoing)
12. Rani Antony	FT	Short Story	" (Ongoing)
13. Rajani S.	FT	Short Story	" (Ongoing)
14. Sandhya B	FT	Novel	" (Ongoing)
15. Ramani Ammal A	PT	Poetry	Dr. C. K. James (Awarded)
16. Sr. Marita	FT	Poetry	(Ongoing)

### 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	Ms. Sherine Elizabeth John	P.T.	- do -
9	Mr. Joseph George	FT	- do -
10	Tomy Jose C	P.T.	Dr. M. Sarangadharan
11	Paul V.A	P.T.	- do -
12	K.C. Abraham	P.T.	Dr. Stephen A.
13	Mr. Gladwin Thomas	F.T.	Dr. V.V. Georgekutty
14	Ms. Biji Jose		- do -
15	Prof. Johnson Andrews	P.T.	Dr. V.V. Georgekutty
16	Mr. Joji Mathew	P.T.	- do -
17	Ms. Nisha Mary Jose	P.T.	- do -
18	Ms. Jisha George	P.T	-do-
19	Mary Michael	P.T.	Dr. K.V Thomas
20	Mr. K.V. George	FT	-do-
21	Mr. Renjit Mohan	PT	-do-

### Political Science

Sl. No.	Name Of the Scholar	Topic	Guide
1	Bindu Kurian	“Pressure Politics and Higher Education Politics in Kerala”	Dr. V.V Varghese
2	R. Vijayan	“Kerala’s Developmental Challenges: The Case of Reshaping the Civil Service”	Dr. V.V Varghese
3	Babu Antony	“State Response Towards Human Rights Violations Among Adivasis	Dr. M. M. Mathew

		in Wayanad District”	
4	Shaji John	“Farmers Movement in Kerala: A Study on INFARM	Dr. M. M. Mathew
5	Rony K Baby	“Land, Politics and Tribal Questions in Kerala: A Study of Idukki District”	Dr. M. M. Mathew
6	Shiji George	“Towards Protecting the Dignity of Women: The Role of Kerala Vanitha Commission”	Dr. P. M. Thomas
7	Bijukumar VA	“Empowerment of Fisher Women: A Study of Kudambashree Project in Alappuzha District	Dr. P. M. Thomas
8	Madhusudhanan B	“Government to Business Interaction through E Governance in Kerala	Dr. P. M. Thomas
9	Babu Raj T S	“Effectiveness of Micro Finance System Through SHG’s: A Study on the Extent of Women Empowerment in Kottayam District of Kerala	Dr. N. C. Jacob
10	Ajimon George	Social Deprivation of the Marginalised : A study on the Socio Economic Mobility of Dalits in Kerala	Dr. N. C. Jacob
11	Manoj Kumar B	“Political Socialization And Empowerment of Tribes: A Case Study of Tribals In Kerala”	Dr. Stany Thomas
12	Sajoy George	“Local Area Development Schemes: A Case Study of Member of Parliament Local Area Development Scheme.	Dr. Stany Thomas

13	Unni Joseph	“Political Identity and Social Mobility of Dalits: A Case Study of Dalit Christians in Central Kerala”.	Dr. Stany Thomas
14	Jobin T Johny	“Empowerment and Development in the Laksham Veedu Colonies of Kerala: A Case Study of Kottayam District	Dr. Stany Thomas
15	Roy Mathew	“Politics of Development in Kerala: A case study of Rural Community Development Programmes in the Kottayam District”	Dr. Stany Thomas
16	A.M Rasheed	“Media, Public Opinion and Environmental Reporting: A Case Study of Kerala – 1995-2005”	Dr. Stany Thomas
17	Justine Mathew	“Voluntarism and Development of Social Capital in Kerala: A Case Study of Kanjikuzhy Village Panchayat”	Dr. Stany Thomas
18	Soumya V.R	“The Social and Environmental Implications of Tourism in Kerala With Special Reference to Kumarakom and Munnar”	Dr. Stany Thomas
19	Honey K Varghese	Women Empowerment and NGOs with special reference to Kerala	Dr. Stany Thomas
20	Mariamamma Jacob	Institutional initiatives for Socio-economic Development. A Study on Environmental Challenges in Kerala with special reference to Alapuzha	Dr. M. M. Mathew
21	Sumesh S	Impact of Decentralised Governance on SCs in Kerala. A Comparative	Dr. K. Mohan Kumar

		study of X and XI Plan Schemes	
22	Manju Joseph	The New Intellectual Property Rights in India. A case study of pharmaceutical patenting.	Dr. Mary P Senterla

#### 14. Citation Index of Faculty Members and Impact Factor:

##### Statistics

Average: 0.8

##### Physics

Average: 2, 1.2

##### Chemistry

Average: 2.0

##### Biotechnology

Dr. Ratheesh M. (Journal in which paper published with IF and citation)

International Immunopharmacology (IF: 2.561, citation 11)

Inflammation Research (IF: 2.109, citation 28)

Journal of Food Biochemistry (IF: 0.85)

Experimental and Toxicological Pathology (IF: 2.78, citation 23)

#### 15. Honours and Awards to the Faculty:

##### Statistics

Dr. Joy Jacob was nominated as the Chairman of the PG Board of Studies in Statistics.

##### Mathematics

1. Dr Sunil C. Mathew was the quiz master of the intercollegiate Quiz Competition held at Alphonsa College Pala. He was the resource person for seminars held at various colleges.
2. Mr. Tommy Thomas was a resource person for college teachers on “Perspectives and Methodology of Science” organized by St. Stephen’s College Uzhavoore in association with Kerala State Higher Education Council on 23 and 24 of August 2011. He was the Quiz master in the inter-collegiate Mathematics Quiz Competition held at Devamatha College Kuravilangad.

3. Prof. Thankachan Augustine was selected as Best National Service Scheme Programme Officer in the MG University, Kottayam during 2010-2011 and received the Certificate of Exemplary Service for Meritorious service as Programme Officer of N.S.S. for the second time.
4. The chancellor of Mahatma Gandhi University nominated Prof. J. Chandramohanan, the Head of the Department, as a member of the Board of Studies of P.G. Mathematics.

### **English**

1. Dr. Joy Jacob was appointed Principal of Devamatha College, Kuravilangadu in June 2011.
2. Dr. T.J. Abraham and Dr. Siby James were nominated as subject experts for the appointment of tecturers in aided colleges under the M.G. University.
3. Dr. T.J. Abraham is selected to the Editorial Board of STARS., an international journal published by St. Thomas College, Pala.
4. Prof. P.J. Johnson was selected as the staff editor of the English section of the college magazine.
5. Prof. Franci Mathew selected as PTA Executive Member Carmel Public School, Pala.
6. During 28-29 July 2011, Dr. T. J. Abraham acted as M.A. Off Campus Viva Examiner at St. Alosious College Edathwa and Students' P.G. Centre, Irinjalakkuda.

### **Hindi**

Dr. V. V. Georgekutty secured St. Berchman's Award for the best college teacher in Kerala.

### **Political Science**

Dr. Stany Thomas is awarded Fulbright-Nehru Visiting Lecturer Fellowship 2011.

### **Commerce**

Dr. V. V. Georgekutty awarded MBA degree by MG University, Kottayam.

## **16. Internal Resources Generated:**

### **Statistics**

Consulting Services: Rs.64,000/-

### **Physics**

UGC: - Rs. 7,00,000/-

### **Chemistry**

Consulting Services: Rs.50,000/-

### **Biotechnology**

Rs. 10,000 generated for seminar

### **Botany**

- a. Deep Freezer (REMI - Horizontal UDF – 165 (D) Cooling temperature up to  $-80^{\circ}\text{C}$
- b. BOD Orbital shaking incubator (REMI CIS-24BL)

### **Commerce**

- a. ComAreena receipts: Rs. 1, 77,953
- b. Commerce Forum receipts: Rs. 7800

### **Economics**

Rs. 40,000 generated from various agencies for conducting the competitions and seminars.

## **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)

## **18. Community Services:**

#### **Statistics**

Dr Joy Jacob and Dr Seemon Thomas served as master trainers in the 2011 census of India. 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, and YMCA etc. and is involved in various community services. Dr. Alex Thannippara is General Secretary of Fr. T.C. Joseph Thannippara Trust for Education.

#### **Mathematics**

Dr. V. K Jose is the coordinator of examinations in the College and he is the coordinator of the General time-table. Sri. Tommy Thomas is the Secretary to the staff cooperative society and the



President of the Parent Teachers Association of the Sanjos Public School and Junior College Choondacherry. He is the unit Secretary of the Teacher's organization A.K.P.C.T.A

### **Physics**

1. Dr. Michael Augustine – College Council and IQAC Member
2. Prof. Raju Mathew T – Canteen Society Secretary
3. Dr. Simon Augustine – Internal Assessment - College Coordinator
4. Dr. Sunny Mathew – M G University Senate Member, N S S Program Officer, RACS Cell Coordinator
5. Dr. Ison Vanchipurackal – Coordinator – Cultural activities
6. Prof. Libin Kuriakose – Coordinator – Innovation club
7. Prof. Antony Simon - Coordinator – College Quiz Club

### **Chemistry**

1. Prof. Jogy Alex - M G University Senate Member
2. Dr. Jose K Xavier - RACS Cell Director

### **Biotechnology**

1. We conducted a blood grouping programme for NSS volunteers (400) of this college to make a forum of blood donors
2. We analyzed the potability of drinking water samples from the public.
3. We also conducted the blood grouping of people in remote areas.
4. We inculcated a scientific aptitude in higher secondary students of various schools who visited our lab.
5. The department is involved in providing assistance to Municipal authorities to study/assess the level of microbial contamination of Meenachil River water.

### **Botany**

Department engaged in the production of elite seedlings of Coconut

### **English**

Prof. Cherian Vadakkekunnel is active in Training Programmes for personality development. He is one of the Directors of Career and Placement Cell of our college which provides career consultancy to outsiders as well. Prof. Cherian Vadakkekunnel is a resource person of the Bank Test Coaching and gives training in interview skills to candidates from outside the college also.

## Hindi

1. Dr. P. D. George is a member of the Janamaitri Police Committee and President of PTA, Chavara Public School, Pala.
2. Dr. K. M. Mathew and Dr. V. V. Georgekutty are members of Bharatiya Bhasha Parishad, Allahabad

## Economics

1. Seminars conducted during the year were open to the general public as well. The seminars had positive impact on the community in general

## History

- a. A meeting was organized by the Department of History and the Heritage Society, Palai on 08/08/2011 at Tissarant Hall to honour the freedom fighters. About 6 freedom Fighters shared their experiences and many others participated in the same. The meeting was inaugurated by Dr. M. M. Jacob, former Governor of Meghalaya. It was a real enrichment for all the students of History.
- b. Under the auspices of Heritage society and the Department of History and under the guidance of Ms. Manju Sebastian a visit to the Kadanadu Palace and Kadanadu Church was conducted on 10/09/2011.
- c. Dr. James John delivered the Inaugural Speech in the Mudackanatt Family Meeting held at Nambiakulam on 18 December 2011.
- d. Onam and Christmas were celebrated under the auspices of the History Association

## Political Science

1. Mathew Sebastian – Executive Member, Residence Association, Pala. Vice President Kerala Political Science Association
2. Dr. Stany Thomas
  - a. hon. Treasurer and Executive Committee Member ( from 1994 onwards) of TRADA (Total Response to Alcohol and Drug Abuse) - an organization Sponsored by Ministry of Social Justice, Govt. of India, New Delhi, which works in the field of Temperance Movement and the center is recognized by the UNESCO.
  - b. General secretary, South Indian American Studies Network (Kerala Chapter) –a voluntary organization promoting American Studies

- c. Mentor in Political Science to introduce ACQUIRE Scholarship for nurturing Social Sciences in Kerala, a Programme sponsored by the Government of Kerala.
- d. Member, PG Board of studies in Political Science, Mahatma Gandhi University. (UO- No.2954/2010/1/Elen. Dated, 30.04.2010)
- e. Academic Expert, Examination Committee, Marian Community College in Collaboration with IGNOU Subject Expert in Political Science, Mahatma Gandhi University, Kottayam

**Commerce**

- 1. Dr. K. V. Thomas is the coordinator of the bank test coaching programme conducted in the college.
- 2. Dr. V.V. Georgekutty is the director of IGNOU Study Centre in the college and president of St. Thomas College Staff Cooperative Society. He also serves as the coordinator of IQAC and staff coordinator of St. Thomas College Commerce Alumni Association.
- 3. Prof. K. V. John is the coordinator of Blood Donors’ Forum.

**19. Teachers and Officers Newly Recruited:**

**Statistics**

One new teacher for M.Sc. Biostatistics namely Ms. Jismi Mathew

**Biotechnology**

Dr. Ratheesh M. is the newly appointed teacher in Department of Biochemistry

**History**

Sabu Augustine, Manju Sebastian and Alphine Grace Thomas were appointed in the department as guest faculty members.

**IGNOU**

One guest faculty newly appointed; Ms. Julie Joyance M.A. (Sociology)

**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
Hindi	:	06:01
German	:	NA
Syriac	:	NA
Commerce	:	NA
Economics	:	NA
Physical Education	:	02:01

## **21. Improvements in the Library Services:**

### **Statistics**

Books worth Rs.1.5 lakhs purchased.

### **Mathematics**

Library time extended from 8.00 am to 6.00 pm.

### **Physics**

Using UG, PG and CPE funds new Physics books worth over three lakh rupees are inducted into the library during the last year. For PG students, the library is extended to their class rooms itself. The faculty is monitoring the library using habit of our students regularly.

### **Chemistry**

The Department of Chemistry has always encouraged the faculty and students to make full use of the books and journals on Chemistry and related subjects (in the library) to expand their horizons of knowledge. The Department regularly recommends new books for addition to the Chemistry section of the College library.

### **Biotechnology**

Necessary books are available in the department Library for PG students; two new books (international) have been included in the year 2012

### **Botany**

Books worth of Rs 1.3 lakhs has been purchased

### **Hindi**

New Hindi Books were purchased for use in general library.

### **History**

Department purchased 250 new books by using the Grant of Rs 1, 20,000 from UGC.

### **Political Science**

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

### **Library**

There are around 2000 books added into our library collection this year costing almost Rs. 15 lakhs. Total collection in our library is 80797. Almost all subjects got equal importance in the purchase of books and journals. Moreover some very good encyclopedias, dictionaries etc added to the new collection. For the display of those purchased books more shelves/display racks were added during this year. Average number of readers per day is 550 and number of issues per day is on an average 250. Number of pages photocopied per year is around 37500.

## **22. New Books/ Journals Subscribed and Their Value:**

### **Statistics**

Books worth Rs.1.5 lakhs purchased.

### **Mathematics**

New Books based on the revised P.G Syllabus are purchased.

### **Physics**

Books worth Rs. 3, 00,000/- purchased for use in the library

### **Chemistry**

The following is the list of Chemistry textbooks recommended by the Chemistry Faculty and accessed by the College Library during the year 2011-2012.

<b>Sl. No.</b>	<b>Author</b>	<b>Title</b>	<b>Publisher</b>
1.	Shah	Principles of Nanoscience and Nanotechnology	Narosa
2.	Ramesh Kumari	Computers and their Applications to Chemistry	Narosa
3.	Viswanathan	Nano Materials	Narosa
4.	Sodhi	Fundamental Concepts of Environmental Chemistry	Narosa
5.	Ahluwalia	Natural Pigments	Narosa
6.	Srinivasan	Composite Materials	Narosa
7.	Chopra	Food Chemistry	Narosa

8.	Khitoliya	Environmental Pollution	S. Chand & Co.
9.	Nasipuri	Stereochemistry of Organic Compounds	New Age
10.	Bruice	Organic Chemistry	Pearson
11.	Aruldas	Molecular Structure and Spectroscopy	Prentice Hall
12.	Mc Hale	Molecular Spectroscopy	Pearson
13.	Gopalan	Concise Co-ordination Chemistry	Vikas
14.	West	Solid State Chemistry and Its Applications	John Wiley
15.	Cotton	Chemical Applications of Group Theory	Wiley India
16.	Silverstein	Spectrometric Identification of Organic Compounds	Wiley India
17.	Conn	Outlines of Biochemistry	Wiley India
18.	Ghosh	Colloid Interface Science	Prentice Hall
19.	Ahuja	Introduction to Numerical Methods in Chemical Engineering	Prentice Hall
20.	Tierney	Microwave Assisted Organic Synthesis	Wiley
21.	Cottrell	An Introduction to Metallurgy	Universit is Press
22.	Sangengurg & Moser	The History of Science from 1895 to 1945	Orient Blackswa n
23.	Sangengurg & Moser	The History of Science from The Ancient Greeks to	Orient Blackswa n
24.	Sangengurg & Moser	The History of Science in the 19 <sup>th</sup> Century	Orient Blackswa

			n
25.	Sangengurg & Moser	The History of Science in the 18 <sup>th</sup> Century	Orient Blackswan
26.	Sangengurg & Moser	The History of Science from 1946 to 1990s	Orient Longman
27.	Ahluwalia	Comprehensive Practical Organic Chemistry: Preparations	Universit is Press
28.	Carey & Sundberg	Advanced Organic Chemistry Part B: Reactions and Synthesis	Springer
29.	Carey & Sundberg	Advanced Organic Chemistry Part B: Structure and Chemistry	Springer
30.	Rob Lewis	Chemistry	Palgrave
31.	Ahluwalia	Chemistry of Natural Products	Ane Books
32.	O'Neill	Environmental Chemistry	Taylor & Francis
33.	Pulford	Environmental Chemistry at a Glance	Blackwel l
34.	Ahluwalia	Green Chemistry	Ane Books
35.	O'Neill	Heterocyclic Chemistry at a Glance	Blackwel l
36.	Harwood	Organic Chemistry at a Glance	Blackwel l
37.	Taber	Organic Spectroscopic Structure Determination	Oxford
38.	Valcarcel	Principles of Analytical Chemistry	Springer
39.	Roop	Solid State Chemistry	Elsevier
40.	Eames	Stereochemistry at a Glance	Elsevier
41.	Pretsch	Structure Determination of Organic Compounds	Springer
42.	Shukla	Text Book of Physical Chemistry Vol. 1	Ane

			Books
43.	Shukla	Text Book of Physical Chemistry Vol. 2	Ane
			Books
44.	Shukla	Text Book of Physical Chemistry Vol. 3	Ane
			Books
45.	Ahluwalia	Text Book of Organic Chemistry Vol. 1	Ane
			Books
46.	Ahluwalia	Text Book of Organic Chemistry Vol. 2	Ane
			Books
47.	Beckett	The Periodic Table at a Glance	Blackwel
			l
48.	Norman	Principles of Organic Synthesis	CRC
			Press
49.	House	Inorganic Chemistry	Elsevier
50.	Huheey	Inorganic Chemistry Principles of Structure and	Pearson
51.	Mueller	Fundamentals of Quantum Chemistry	Kluwer
			Academi
			c
52.	Gray	Instrumental Methods of Analysis	CBS
			Publisher
			s
53.	Veszpreni	Quantum Chemistry: Fundamentals to Applications	Springer
54.	Dewan	Organic Spectroscopy	CBS
			Publisher
			s
55.	Banwell	Fundamentals of Molecular Spectroscopy	Tata Mc
			Graw
			Hill
56.	Hollas	Modern Spectroscopy	Wiley
57.	Bahl	Advanced Organic Chemistry	S. Chand
			& Co.



58.	Huheey	Inorganic Chemistry	Addison Wesley
59.	Lowe	Quantum Chemistry	Elsevier
60.	Morrison	Organic Chemistry	Pearson
61.	Kalsi	Stereochemistry, Conformation and Mechanism	New Age
62.	Carey	Organic Chemistry	Tata Mc Graw Hill
63.	Baskell	Introduction to the Thermodynamics of Materials	Taylor & Francis
64.	Ott	Chemical Thermodynamics: Principles and Applications	Elsevier
65.	Girard	Principles of Environmental Chemistry	Jones
66.	Rao	University General Chemistry	Mc Millan
67.	Pradeep	Nano: The Essentials	Tata Mc Graw Hill
68.	Silverstein	Spectrometric Identification of Organic Compounds	Wiley India
69.	Pavia	Spectroscopy	Cengage
70.	Sathyanarayana	Introduction to Magnetic Resonance Spectroscopy	I K Intern
71.	Lewars	Computational Chemistry: Introduction to the Theory	Springer
72.	Daintith	The Facts on File Dictionary of Inorganic Chemistry	Checkma rk
73.	Tierney	Microwave Assisted Organic Synthesis	Wiley
74.	Duffey	Modern Physical Chemistry: A Molecular Approach	Springer
75.	Wulfsberg	Inorganic Chemistry	Viva Books

## Biotechnology

- a. Two new books have been included in the department library.
- b. The students of First year PG constructed a new library in their class room for their own use

### Botany

Sl.No.	Title of Books/Journal
1	Biochemistry
2	Ecology-Theories & Applications
3	Genetics-Analysis of genes and Genomes
4	Horticulture -Principles and Practices
5	Plant Cell Culture: essential Methods
6	Plant Tissue Culture ,Development and Biotechnology
7	Dictionary of plant Tissue Culture
8	In vitro Plant Breeding
9	Plant propagation By Tissue culture
10	Androgenesis and Haploid plants
11	Molecular Biology of the Gene
12	Experimental Design for the Life Sciences
13	Developmental Biology
14	Principle of Biochemistry
15	Molecular Biology
16	Problems on Genetics, Molecular Genetics and Evolutionary genetics
17	Elements of Ecology
18	Introduction to Fungi
19	Genetics

20	NMS Biochemistry -Medical series
21	Biochemistry and molecular Biology of Plants
22	Plant Biochemistry
23	Plant physiology
24	Plant physiology
25	Laboratory manual of Food Microbiology
26	Biochemistry
27	Cell and Molecular Biology
28	Bruce Alberts
29	Biology
30	Principles of genetics
31	Cell Biology

## Hindi

Two New Journals were subscribed viz. Varthaman Sahitya and Hindi Anusheelan

## Commerce

The Department has purchased 149 new books; costing Rs. 62, 382

## Economics

A total of 188 new books purchased and subscribed three new journals costing Rs. 1, 35,400

## History

The department has added more than 250 new books to the history section of the library by using the grant of Rs 1, 20,000 from UGC. These books relate to various streams such as World History, Ancient, Medieval and Modern History, Kerala History, Epigraphy, Numismatics Archaeology and Museology.

## Political Science

The value of purchased books comes up to an amount to the tune of Rs.50000 during this year

## Physical Education

New books in the field of sports and allied subjects were purchased to the college library, valued worth fifty thousand.

### **Library**

Around 2000 books purchased during this year costing Rs. 15 lakhs. Three new journals subscribed this year costing Rs. 14000.

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

### **Statistics**

In all courses student assessment is introduced and teachers are instructed to pay special attention to more talented as well as disabled students.

### **Mathematics**

In all courses student assessment is introduced and teachers are instructed to pay special attention to more talented as well as disabled students.

### **Physics**

PG: Students recorded appreciation and satisfaction in the performance of the teachers.

### **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 etc.

### **Biotechnology**

1. The college has got a rich tradition of offering academic and personal counseling to every student. One of the special features of the Counselling Programme is the mentor system. Selected teacher, as mentor is appointed each semester. The mentor records the details of the matters regarding his/her family, academic affair, social and economic profiles and also his / her personal aspiration and interests.
2. Student Feedback: The process of getting student feedback on teachers during the odd semester in 2011—2012 was held. The analysis of the feedback was handed over to the Principal and he took necessary action for the improvement

### **Botany**

A detailed proforma was designed on this regard and is distributed among the students. Discussion of the students' feedback in the departmental meeting was done and necessary steps on their comments are implemented.

### **English**

Student assessment has been introduced in all classes. Students are given assignments and seminar presentations to test their efficiency and level of performance. At least two test papers are conducted by the college in every semester. Besides these, class tests are conducted by the Department and individual teachers. Students are encouraged to express their opinions frankly. Their suggestions are taken into consideration during decision making and policy formulation. The class leaders are encouraged to express the general opinion of the class about the way the department functions thus making it possible to have the pulse of the students from time to time.

### **Commerce**

- a) 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.
- b) The department is providing remedial classes for those students who are academically weak. Prof. Johnson Andrews, Dr. Sunny Joseph, Dr. K.V. Thomas, Dr. V.V. Georgekutty, Prof. K.V. John, Prof. Bobby Simon and Prof. Tejil Thomas engaged remedial classes under the UGC sponsored 'Remedial Class Programme for SC/ST Students'.
- c) Besides, the Department has resolved to motivate the outstanding and enterprising students to achieve success in their academic life by providing necessary guidance and encouragement. Special guidance and orientation is provided to the students who are weak in studies.

### **Economics**

In both B.A. and M.A Economics programmes, student assessment was introduced and necessary changes have been effected in instruction and administration based on the suggestions from the students.

### **Political Science**

Students' feedback is collected and appropriate action is taken.

## **Physical Education**

Open course in Physical Education. Student feedback was thoroughly reviewed and appropriate steps were taken.

## **IGNOU**

Students' feed back is collected and the suggestions are discussed in the staff meeting. Appropriate changes have been brought in the pedagogy.

## **24. Unit Cost of Education**

### **Statistics**

Unit cost of education is Rs.32000 per student.

### **Mathematics**

Unit cost of education is Rs.32000 per student.

### **Physics**

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.

### **Botany**

Unit cost of education is Rs.32000 per student.

### **Zoology**

Unit cost of education is Rs.52000 per student.

### **English**

Unit cost of education is Rs.32000 per student.

### **Malayalam**

Unit cost of education is Rs.32000 per student.

### **Hindi**

Unit cost of education is Rs.32000 per student.

### **German**

Unit cost of education is Rs.32000 per student.

### **Syriac**

Unit cost of education is Rs.32000 per student.

### **Commerce**

Unit cost of education is Rs.32000 per student.

### **Economics**

Unit cost of education is Rs.32000 per student.

### **History**

Unit cost of education is Rs.32000 per student.

### **Political Science**

Unit cost of education is Rs.32000 per student.

### **IGNOU**

Unit cost of education is Rs.12000 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 are also done by the university. The departments do not have any flexibility in these matters.

Once admission is over the student profile and progression are 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**

Depending on the need infrastructure was improved.

### **Mathematics**

Depending on the need infrastructure was improved.

### **Physics**

Neat, clean and furnished classrooms, well equipped laboratories and libraries are available with the department.

Sincere efforts are there from the part of the Management, Principal and the Department for the upgradation of the infrastructure. The sources of fund are the Management, state and central government agencies and the projects acquired by the faculty and in addition to this, fund is mobilized internally in the department.

We have a very good library with large number of books and journals including E journals and in addition to this we have M G University Library Extension center with INFLIBNET, in the campus. The department is always careful to keep the standard of our library at high level. Free internet facility is there in the campus both for students and staff.

### **Chemistry**

Depending on need infrastructure was improved. Department and classrooms were modernized.

### **Biotechnology**

As per the suggestions from the Department, the Bioinformatics, Instrumentation and Plant Tissue Culture Laboratories were restructured with high-tech facilities

### **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 herbarium has been built
4. New Equipments purchased- Laminar air Flow Hood for Microbiology Lab, Laminar air Flow Chamber for Plant Tissue Culture Lab, UV chamber

### **Zoology**

1. Zoology lab renovated with work bench, cupboards, portioning, false ceiling, painting, plumbing works. Class rooms renovated with false ceiling, fan and light, and LCD projector.

### **English**

Infrastructure improved.

### **Commerce**

Infrastructural facilities improved.

### **Economics**



Infrastructural facilities improved.

### **History**

Permanent rooms were allotted to each class in the B Block of the College. Room No. B1-4 for IDC, Room No. B1-8 for II DC and Room No. B 1-5 for III DC.

### **Political Science**

Infrastructural facilities improved.

### **Physical Education**

Infrastructural facilities improved.

## **27. Technology Upgradation**

### **Statistics**

PCs were repaired and 5 new modern PCs were purchased.

### **Mathematics**

PCs were repaired and upgraded.

### **Physics**

All infrastructure facilities in the department updated.

### **Chemistry**

All instruments were repaired and upgraded

### **Biotechnology**

Upgraded (New Apparatus for Blotting has been ordered, plant tissue culture technology is developed with new laboratory etc)

### **Botany**

Computer lab upgraded with Wi-Fi facility

### **Zoology**

Procured a new video microscope

### **Hindi**

LCD projector, OHP, TV etc were purchased and used.

### **English**

Technology upgraded

### **Commerce**

The conventional lecture method with chalk and duster is being gradually replaced by ICT resources. Computers, LCD projectors and other infrastructure are very crucial for any department to complete its hectic clerical works, report preparations and presentations. The Department is equipped with 6 Computers (Processor Pentium(R) Dual-Core CPU E5400 @ 270 GHZ, RAM - 2.00GB, Systems type 64-bit Operating System), one LCD Projector (EPSON-Multimedia Projector- EB 1725) and one laser printer (Canon LaserJet LBP-2900 BMBGA821300), of which two computers are fixed in II & I M. Com Classes. They use it for preparing notes, PPT presentations, research report preparations, analysis etc. The remaining systems have been arranged in the department according to the convenience of students. PG grant received was the resource for financing the same. Teachers, Researchers and students are able to use internet facility through a LAN set up and it is found easy to complete its entire recording, reporting and research works with minimized cost. Windows Edition – Windows 7 Professional, System Internet Security Software - Kaspersky 2011, SPSS and other software are used to have an enhanced performance by the system. The Department seeks the help of System Maintenance Department of the College for system administration, maintenance, upgrading and repairing. Students are encouraged to use the facility for which it is intended to and the Department is also very keen to provide them ample opportunities to hit upon new applications of the system for academic excellence.

**Economics**

More computers installed. LCD projector introduced. Students and teachers have access to computers and Internet in the department and at the computer centre.

**History**

Teachers use Laptop and LCD Projector extensively in classrooms.

**Political Science**

Implemented ICT-aided teaching methods in UG and PG classes

**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 use. Our faculty and students make use of all these facilities. Students typeset their project reports in Latex mathematics software.

### **Mathematics**

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. Students typeset their project reports in Latex mathematics software.

### **Physics**

Broadband facility is available both for faculty and students. INFLIBNET available in the campus is very much useful for the researchers. All the teachers and students in the department are using ICT resources.

### **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**

Broadband facility is available both for faculty and students. INFLIBNET available in the campus is very much useful for the researchers. All the teachers and students in the department are using ICT resources

### **Botany**

The department has a computer Lab with three computers. Full access to these computers for students is given free. Internet facility is provided with access to thousands of Journals.

### **Zoology**

One computer with Internet facility is available in the department.

### **English**

Postgraduate students have compulsory computer training programme with an examination and issue of certificates. There are computers in the department. Students are permitted to access the facilities.

### **Hindi**

Students were given computer training during the last period of every day with First-day order.

### **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. Students are being given opportunity to conduct ICT-aided seminars.

### **Economics**

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.

### **History**

Department is computerized with Internet connectivity and students and staff are provided with free access to the facilities.

### **Political Science**

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

### **Physical Education**

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

### **IGNOU**

The centre has a well equipped computer centre with 9 computers, one laptop, one photocopier, and one LCD projector with internet connectivity.

## **29. Financial Aid to Students:**

### **Statistics**

KPCR Scholarship – 12 (full fee concession)

UGC Merit Scholarship for Rank holders – 2 (40000 X 2 = Rs.80000)

### **Mathematics**

course	S C	ST	OEC	OBC	KPCR
II M Sc	2	1	-	2	4
I M Sc	2	-	-	-	3
III D C	-	-	-	-	8
II D C	1	-	1	1	3
I D C	4	-	1	2	9

## **Physics**

We have our own arrangement for providing financial support to the needy students. Financial assistance to students for carrying out their projects is sought from governmental agencies like KSCSTE.

## **Chemistry**

Students in the dept receive various financial supports in the form of grants, scholarships from government agencies and from the college as well as the department.

Ms Jiss Mary George of M.Sc. Chemistry (2010-2012) has been awarded Postgraduate Indira Gandhi Scholarship for Single Girl Child by UGC. The scholarship amount is Rs. 40000.

## **Scholarships / Endowments**

- (i) An Endowment called Joy Alex Memorial Endowment is instituted in the department. This is to encourage the M.Sc. topper every year by giving a cash award. NET/GATE qualified candidates are also recognized by giving prizes and mementoes. Cash awards are instituted by the RAAC cell to recognize the best M.Sc. projects every year. In addition, the faculty has instituted special cash awards to rank holders, both at the UG and PG level.
- (ii) Prof. George Francis Endowment, instituted by former Head of the Department, Prof. George Francis, for the benefit of postgraduate students. A cash prize is awarded to one student each in the first year and second year who are financially weak but academically brilliant and to the student who stands first in the University examination from this department.

## **Biotechnology**

Arranged to the needy students on request

## **Botany**

Financial aid for buying text books, study materials etc given to the needed students from the department

## **English**

PTA Merit Scholarship for rank holders -1

PTA scholarship-5

Indira Gandhi Scholarship for single girl child- 5

1. Ajomy Mariya Joseph,
2. Therese Meettu Jose
3. Lintu Jose
4. Lakshmi R. Nair. (All II M.A. English)
5. Anjana M. - I M A

## Hindi

Weak students were given free meals, besides, PTA scholarships, Gyandevi Scholarship and Prof. P.C. Thomas Scholarship was given.

## Commerce

Students in the Dept receives various financial support in the form of grants, scholarships etc. In 2011-2012 they got Rs. 2, 77,620 under various schemes.

<b>K P C R Scholarship</b>		
<b>Class</b>	<b>No. of Students</b>	<b>Amount</b>
III B. Com	10	6600
II .B. Com	12	7920
I B. Com	6	3960
II M. Com	1	660
I M.Com	3	1980
<b>Total (Rs. 660 per student)</b>	<b>32</b>	<b>21120</b>
<b>Special Scholarship for OBC/ST/SC Students</b>		
III B. Com	17	80750
II .B. Com	14	66500
I B. Com	15	71250
II M. Com	3	14250
I M.Com	5	23750
<b>Total (Rs.475 per student per month for10 months)</b>	<b>54</b>	<b>256500</b>

## Economics

**Financial Aid to Students: Rs. 466775**

<b>K P C R and other Scholarships</b>		
<b>Class</b>	<b>No. of Students</b>	<b>Amount(Rs)</b>
III B.A. Economics	29	98143
II .B. A. Economics	31	110677
I B.A. Economics	27	116215
II M. A. Economics	17	80915
I M. A. Economics	10	60825
<b>Total</b>	<b>114</b>	<b>466775</b>

## **Political Science**

### **KPCR Scholarship**

A sum of Rs.5000 has been set apart by the department as financial assistance to the poor and needy students.

### **Awards and scholarships**

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

### **Department organizes three endowment lecturers**

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

## **Physical Education**

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

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

### **Statistics**

The Alumni Association is active. They sponsor a quiz competition in the name of late Prof. K. Ramakrishna Pillai.

### **Mathematics**

The Alumni Association is active. They sponsor an Intercollegiate Mathematics Quiz Competition in the name of Prof. Mathew T. Mathekkal, former Head of the Department.

### **Physics**

Our former students studying in prestigious institutions provide all help to the current students for securing admissions for higher studies. They were often called for sharing their experiences with the current students.

### **Chemistry**

The alumni gave active support to all activities of the department.

### **Biotechnology**

Alumni serve as guest lectures. Several members of alumni association participated in the national seminar organized by the department.

### **English**

We get great support from the alumni.

### **Hindi**

Alumni association entitled 'Hindi Parivar' is actively functioning.

### **Commerce**

St. Thomas College Commerce Alumni Association is functioning well in the department. It organizes meetings of alumni. This year was very particular to the association.

#### **1. Alumni-Academia Interactive Programme**

It is an innovative programme launched with a view to providing a platform for the alumni to share their experience and expertise with the present students and teachers in the Department.

#### **2. Induction Programme**

An evening programme (**ComNox**) was conducted to give STCCAA membership to all senior students in B.Com and M.Com. Classes. Seventy five students were enrolled and they took the STCCAA pledge bearing lighted candles.

### **Economics**

The Alumni association conducted various meetings during the year and has been giving excellent support to the department.

### **Political Science**



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

### **Physical Education**

The College Sports Alumni 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 every year.

### **Mathematics**

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

### **Physics**

PTA meeting is held for all the classes and individual attention and care is provided in the academic activities of each student. Students are asked to bring their parents after publishing the result of each semester for the evaluation of the performance and remedies are taken wherever needed.

### **Chemistry**

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

### **Biotechnology**

PTA meeting is held for all the classes

### **English**

PTA gives scholarship to the best student in every batch.

### **Hindi**

We get good support from the PTA. HOD himself is the secretary of the PTA

### **Commerce**

#### **Parents Meet**

The department arranged parents' meets on 25 September 2011 for II B.Com students. Parents' meets of I and III B. Com students were held on 17 February and 24 January 2012 respectively.

### **Economics**

The department conducts regular PTA meetings to assess the academic and co-curricular activities undertaken by the students and to propose suitable changes in these programmes for achieving quality upgradation.

### **History**

Parents meet arranged for IDC and II DC classes once in a year to discuss and evaluate students' performance in class and exams.

### **Political Science**

Parent Teacher Association, University and Government provide adequate encouragements in the form of scholarships, financial assistance, free boarding and lodging etc. At least two PTA 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.

## **32. Health Services**

### **Statistics**

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

### **Mathematics**

Health Orientation classes, blood group detection, free medical check ups and eye testing camps were organized.

### **Physics**

First aid facilities are available for the students in the department. Students of the department are active members of Blood Donation Forum.

### **Chemistry**

First aid facilities are available for the students in the department. Students of the department are active members of Blood Donation Forum and Anti-Narcotic Club.

### **Biotechnology**

The college has a tie-up with Ayurveda College and we are planning to arrange the necessary medical facilities in the department. First aid boxes are kept at the department and is supervised by Mrs.Archana Cherian

### **English**

Health orientation classes and medical care were given to the students. They have drinking Water facility and clean toilets. Anti-narcotic classes are given to students. Girls have rest rooms and separate toilets.

### **Hindi**

Blood testing camp was held, Service of a doctor is made available, Dr. P.D. George is the joint commander of Pala Blood Forum.

### **Commerce**

Health Orientation classes and timely nursing care were provided to students. 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**

First-aid kits are available in the department and students are well informed about the first-aid facilities.

### **History**

All the students of the department are the members of the Blood Donation Group organized in the college and involve themselves in such health services.

### **Political Science**

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.

### **IGNOU**

Conducted PTA meetings in the following order:

I BCOM	15.7.11 and 28.11.11
II BCOM	15.7.11 and 02.12.11
III BCOM	15.7.11 and 30.11.11

### **33. Performance in Sports Activities:**

#### **Statistics**

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

#### **Mathematics**

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

#### **Chemistry**

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

#### **English**

Students participate in sports items and win prizes.

Vipin Francis of I M.A. English won the following prizes.

- a. First in the Intercollegiate Cross-Country competition held at Alphonsa College, Pala.
- b. All India Interuniversity Cross-Country held in Rothok, Hariyana (participation)
- c. II in 800 mtrs and 1500 mtrs and first in 4X400 mtrs relay in the M.G. University intercollegiate athletic meet held at Ernakulam.
- d. Participated in the All India Interuniversity Athletic Championship at Mangalore
- e. 3<sup>rd</sup> in 800 mtrs and 1<sup>st</sup> in 4X 400 mtrs in Kerala State Senior Athletic Championship held at Ernakulam

#### **Hindi**

1. Karthika S. Nair – I Rank – M. A. Hindi – MG University
2. Athira Gopal – II Rank - M. A. Hindi – MG University

#### **Economics**

Students belonging to this department performed well in various competitions held at the national level

#### **History**

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 of Kerala.

#### **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

### 1. Performance at National Level

The performance of our college students at various National competitions are mentioned below:

Sl No.	Name	Class	Event	Competition	Position
1	Vipin Francis	I MA	Cross Country	All India Inter University ( MDU Rothak)	Participation
2	Subin G S	I BA	Cross Country	All India Inter University	Participation
3	Vimal V Kumar	I MA	Cross Country	All India Inter University	Participation
4	Mnu Johnny	IBA	Cross Country	All India Inter University	Participation
5	Winnny J Dhas	IBA	Cross Country	All India Inter University	Participation
6	Nadirsha	III B Sc	Volleyball	South Zone Inter University (Bhartiyar Coimbatore)	Participation
7	Daniel Zacharias	II BA	Swimming	All India Inter University ( Calcutta)	Participation
8	Vipin Francis	I MA	Athletics	All India Inter University ( Mangalore University)	IV th (800m)
9	Alex Shaji	I BA	Athletics	All India Inter University ( Mangalore University)	Iv (4x400)
10	Anoop Johnny	II BA	Athletics	( Mangalore University)	IV (Pole vault)
11	Vijith Vijayan	III B Sc	Athletics	All India Inter University	Iv (4x400)
12	Anish K G	II MA	Power Lifting	South India Power Lifting( Coimbatore) All India Inter University (Amritsar)	Participation

13	Robin Jose	II M Com	Power Lifting	South India Power Lifting( Coimbatore) All India Inter University (Amritsar)	Participation
14	Jitin Rajendran	I BA	Volleyball	Junior National (Calcutta)	fourth

## 2. Performance at State Level

The performance of our students at various state level championships is mentioned below:

Sl No.	Name	Class	Event	Competition	Position
1	Anish	II MA	Power Lifting	State Championship (Kannur)	Gold(74kg)
2	Robin M	II M Com	Power Lifting	Sr. State Championship(Kannur)	Silver(84kg)
3	Vipin Francis	I MA	Athletics	Sr. State Championship (Ernakulam)	Silver 1500m
4	Alex Shaji	I BA	Athletics	Jr. State Championship	Participation
56	Anoop Johnny	II BA	Athletics	Sr. State championship	third
7	Vijith Vijayan	III B Sc	Athletics	Sr State championship	Second
8	Subin G S	I BA	Cross Country	Jr. State Championship	Second

## 34. Incentives 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 sportsperson of the year.

### 3. Students' Achievements and Awards

#### Statistics

1. Anju Joy - M.Sc. (Stat) I Rank
2. Shamna Safar - M.Sc. (Biostat) I Rank
3. Linumol Sebastian - M.Sc. (Biostat) II Rank
4. Ann Mary - M.Sc. (Biostat) III Rank
5. Abin Thomas - Obtained Consolation prize in the National Level on the spot Essay competition conducted by the Ministry of Statistics, New Delhi
6. Research Scholars Dias George, and Krishna E. were awarded Ph.D. by M.G.University

#### Mathematics

1. Jilumol M, our M Sc student of 2008-10 batch qualified U G C – C S I R- N.E.T
2. Our III DC Student Jayasankar S was selected by the INFOSIS and Amal Raj of the same class was selected by WIPRO in the campus interview.
3. Ms. Tijy Mathew of our 2003-04 M Sc Batch is appointed as Assistant Professor in B A M College Thuruthikadu.

#### Physics

1. Won First Prizes in Intercollegiate quiz competitions held at
  - i. SB College Changanassery
  - ii. CMS College Kottayam
  - iii. Assumption College Changanassery
  - iv. St Stephen's College Uzhavoor
  - v. St Thomas College Pala
2. Tomin K James, BSc- final year student secured admission for MSc. at IISER Pune.
  - a. Edwin Tom Jose, BSc Second year and Vineeth S, BSc first year have selected for the prestigious DST INSPIRE Scholarship.
  - b. Sovin Thomas K, BSc Second year student participated in World Youth Conference held at Germany and Indian Youth parliament held at Pune.
  - c. Arun M, BSc first year student participated in the Republic day parade 2012 and Guard of honour parade to the Prime Minister of India.

- d. Vishnu Damodar, BSc-final year student has been elected as the arts club secretary of the college union.
- e. Ron George, BSc-final year student has been selected as the sports secretary of the college union.

### **Chemistry**

Rakesh R. of M.Sc. Chemistry (2010-2012) has the following prizes to his credit for quiz competitions.

1. South Zone Inter University Quiz held at Sathyabama University, Chennai from 18-22 Dec 2011- Participated.
2. M G University Youth festival held at Ernakulam on 31<sup>st</sup> Jan 2011- First Prize.
3. District Wild Life Quiz held at Kottayam on 3<sup>rd</sup> Oct 2011- First Prize.
4. Intercollegiate Quiz Competition held at Pavanatma College, Murikassery on 9<sup>th</sup> Dec 2010-First Prize.
5. Intercollegiate Quiz Competition held at Alphonsa College, Pala on 4<sup>th</sup> Oct 2010- First Prize.
6. Intercollegiate Quiz Competition held at Mangalam Engineering College, Ettumanoor on 25<sup>th</sup>Feb 2011-First Prize.
7. Intercollegiate Quiz Competition held at Ettumanoorappan College, Ettumanoor on 11<sup>th</sup> Mar 2011-First Prize.
8. Intercollegiate Quiz Competition held at NSS College, Changanassery on 16<sup>th</sup> Dec 2011- Second Prize.
9. Intercollegiate Quiz Competition held at Santhigiri College, Vazhithala on 4<sup>th</sup> Jan 2011- Second Prize.
10. Intercollegiate Quiz Competition held at Bishop Moore College, Mavelikara on 23<sup>rd</sup> Nov 2011-Third Prize.
11. Intercollegiate Quiz Competition held by Library Council, Kottayam on 14<sup>th</sup> Feb 2011- Third Prize.

### **Biotechnology**

- a. The Department got first three rank in MG University in Applied Microbiology examinations
- b. Two students got best presentation award in a national seminar



- c. Two students qualified Ph.D. entrance examination conducted by Central University of Kerala.

## Botany

1. IFS Qualified- Jayakrishnan V K
2. NET qualified- Sijo Mathew, Biju George and Tinu Thomas
3. Ph.D. Awardees- Meena K Cheruvathoor and Namitha
4. University 1<sup>st</sup> Rank(MSc Botany) – Tinu Thomas

## English

- a. Juno Jose of II M.A. English was elected as the president of Women's Forum of the College.
- b. Jayasree P.D. of II M.A. was the student editor of *Thantedam*, a manuscript magazine published by the Women's Forum. She was also an executive member of the Forum.
- c. Ajomy Maria Joseph and Anu Jose of II M.A. served as the Women's Forum president and vice-president respectively.
- d. Juno Joseph served as P.G. Representative in the College Union.
- e. Ajomy Maria Joseph was the student editor of *Heartunes*, an anthology of poems written by the teachers and students of the Dept. of English.
- f. Jincy Joseph of II M.A. won the 'Ms St. Thomas Contest' conducted jointly by the College Union and the Women's Forum.
- g. Seven students of II M.A. English attended a 2-day U.G.C. sponsored national seminar on 'Psychology and Literature' held at Baselius College, Kottayam, during 8-9 December 2011.
- h. Five students of II M.A. attended a 2-day U.G.C. sponsored national seminar-cum-workshop on 'Queer Theory' held at S.B. College, Changanacherry, during 9-10 December 2011.
- i. All II M.A, students attended Lorca's famous play, *Blood Wedding* staged at Devamatha College, Kuravilangadu on 20 February 2012.
- j. Under the leadership of Prof. Cherian Vadakkekunnel and Prof. Raju Augustine the II M.A. students had a three-day excursion to the Wayanad district.
- k. Ajomy Maria Joseph and Anu Joseph II M.A. English won first prize in the El-Lit Quest 2012 organized by St. Thomas College of Teacher Education, Pala on 20.1.2012.

- l. George P.C. of I M.A. English attended the Seminar of Post-Colonialism at Nattakom College in March 2012.
- m. Indu Peter of I M.A. won the proficiency prize by PTA.
- n. Sherin Rani Mathew, I M.A. won first prize in the V MINDS Elocution Competition.
- o. Indu Peter, I MA was selected as Sub-Editor of the college magazine.
- p. Sherin Rani Mathew of I MA won first prize in the Malayalam Elocution in the college youth festival.
- q. Krishnendu N. Namboothiri, I MA won first prize in Vocal Music (classical and light) in the college youth festival.
- r. Indu Peter I MA won I prize in English poetry writing in the college youth festival.
- s. Besides these, our students are active in N.C.C. and N.S.S. and other activities of the college.

### **Commerce**

Our students participated in a large number of inter- collegiate fests conducted by other colleges in the academic year. 15 of our students won prizes for Business Quiz, Product Launching, Photography, Gaming etc.

### **Economics**

Georgekutty Jose II M A won 12 prizes and one second prize for the intercollegiate quiz competitions. Manuel Mathew II BA won the Union Budget presentation competition held on March 19 2012 and Adarsh Simmy Manuel won the III prize in the competition.

### **History**

On the Job Training for the II DC students was held from 17 May 2011 to 2 June 2011 at Hill Palace, Tripunithura. 18 students of the Department got special training in Archaeology and Museology.

### **Political Science**

1. Muhammed Mufti Mubarak - ACQUIRE Scholarship, M.G University
2. Renjith V.T - ACQUIRE Scholarship, M.G University
3. Ajmal S Razaq BA M G University I Rank
4. Sr.Bindhu Jose MA M G University I Rank
5. Fr.Noble Mathew MA M G University II Rank

## 6. RanjithVT UGC NET Lectureship

**Physical Education**

The performance of our students at various Inter-Collegiate competitions is mentioned below:-

Sl No.	Name	Class	Event	Competition	Position
1	Vipin Francis	I MA	Cross Country	M G University Inter-Collegiate	Gold
2	Subin G S	I BA	Cross Country	M G University Inter-Collegiate	Silver
3	Vimal V Kumar	IMA	Cross Country	M G University Inter-Collegiate	Fourth
4	Mnau Johnny	II BA	Cross Country	M G University Inter-Collegiate	Sixth
5	Winy J Dhas	I BA	Cross Country	M G University Inter-Collegiate	Ninth
6	Daniel Zacharias	II BA	Swimming	M G University Inter-Collegiate	Gold (50m fly) (50m back)
					Silver (100m back)
					Bronze (100m free)
7	Sarath Sasi	III BA	Swimming	M G University Inter-Collegiate	Silver (200m back) (1500m free)
					Bronze (100m brest)
8	Joseph	III BA	Swimming	M G University Inter	Bronze

	Chacko			Collegiate	(4x100)
9	Anish Jose	II MA	Weight Lifting	M G University Inter Collegiate	Gold(85kg)
10	Robin Jose	II M Com	Weight Lifting	M G University Inter Collegiate	Silver (77kg)
11	Unni R	III BA	Best Physique	M G University Inter Collegiate	Gold (65kg)
12	Vishnu V S	III B.Com	Best Physique	M G University Inter Collegiate	Gold (90kg)
13	Nidhin Mohanan	III BA	Weight Lifting	M G University Inter Collegiate	Gold
14	Jithin James	III BA	Weight lifting	M G University Inter Collegiate	Third
15	Vipin Francis	I MA	Athletics	M G University Inter Collegiate	800m Sliver 1500m silver
16	Subin G S	I BA	Athletics	M G University Inter Collegiate	5000m Silver
17	Vimal V Kumar	I MA	Athletics	M G University Inter Collegiate	1500m Third
18	Alex Shaji	I BA	Athletics	M G University Inter Collegiate	400m Gold
19	Anoop Johnny	II BA	Athletics	M G University Inter Collegiate	Pole vault, Gold
20	Nidhin Mohanan	III BA	Athletics	M G University Inter Collegiate	Hammer Throw, Gold
21	Jithin James	III BA	Athletics	M G University Inter Collegiate	Hammer Throw, Third

22	Vijith Vijayan	III B.Sc	Athletics	M G University Inter Collegiate	400mH, Bronze
23	Sumesh S	II BA	Athletics	M G University Inter Collegiate	H.M, Gold
24	Anish Jose	II MA	Powerlifting	M G University Inter Collegiate	Gold
25	Robin Jose	II M.Com	Power lifting	M G University Inter Collegiate	Gold

### Sports Merit Award

1. The PTA merit award for the Best Sports Person for the year 2010 -11 was presented to Robin Jose – I M.Com student for his meritorious performance in Power Lifting Championship
2. The Best Athlete award was presented to Nadirsha M. III B.Sc for his meritorious performance in Volleyball in the All India Inter University Championship.

### 3. Activities of Guidance and Counseling Unit:

#### Statistics

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

#### Mathematics

Prof. Manuel Joseph Panavely is the coordinator of Guidance and Counseling in the department. About 20 students in each division in UG as well as in PG classes are assigned to a mentor. The mentor examines the student's profile including his family background, school education and career aspirations and finds out if any help is needed. If needed a student can even avail himself of the general counseling facility available in the college.

If a student is found weak in some topics the assigned mentor will direct him/her to the appropriate teacher for the tutorial sessions. And the respective teacher finds time to equip him/her with the problem solving capability in the particular subject.

If a student is still found weaker he/she may be directed to attend special tutorial sessions conducted usually in the afterhours of the day by specific teachers. In this case the teacher is also paid an honorarium as an incentive.

In addition to all these the remedial coaching programme, which is sponsored by the UGC for SC and ST as well as Minority students, is also conducted in our department. In each semester a few teachers voluntarily find time for this program.

### Physics

1. Dr. Sunny Mathew is the NSS Program Officer and has been organizing various guidance programs for the college students.
2. Dr. Sunny Mathew is a RACS (Research Analysis and Consultancy Services) Cell Coordinator that organizes programs to create scientific awareness among students. Students of our department actively took part in CYNOSURE-the science exhibition conducted by St. Joseph's College of Engineering and Technology, Choondacherry.

Notifications of MSc admissions of various prestigious institutions like IIT, IISERs, Central and state universities are displayed on the notice board. All kinds of guidance are given to the students to take up the entrance tests in these institutions.

Dr. Ison V. Vanchippurackal delivered six invited talks-

- a. Talk on "Optoelectronics - an introduction" at St. Mary's College Manarcadu, Kerala on 16 September 2011.
- b. Talk on "Solar energy utilization" at M.G. University Kottayam on 12 August 2011.
- c. Talk on "Digital signal processing" at Baselius College Kottayam, Kerala on 12 July 2011.
- d. Talk on "Solar Cell Architecture" at Pavanathma College Murikkassery on 8 February 2012.
- e. Talk on "Clean Energy Options" at St. Stephen's College Uzhavoor on 27 February 2012.
- f. Talk on "Clean Energy Options and Nuclear Safety" at Mar. Augusthinose College, Ramapuram on 27 February 2012.

Dr. Ison V Vanchippurackal has been the quiz master for the Prof. S.L. Thomas Memorial Intercollegiate Physics Quiz competition held at S.B. College Changanacherry on 17-2-2012.

Dr. Ison Vanchipurackal is working as a coordinator of cultural activities in the college and organizing various cultural activities in view of enhancing the talents of students in the college. Also he was the coordinator for Keltron's Computer Hardware Course in the college.

### Chemistry

St. Thomas College, Pala has been laying great emphasis on placement and career development activities for the benefit of students. There is an active Career Guidance Cell and Placement Cell working in the college.

The teachers of the Department of Chemistry have played a major role in the activities of the Career Guidance Cell and Placement Cell. The following teachers represent the Department of Chemistry in the Executive Committees of the Career Guidance Cell and the Placement Cell.

Career Guidance Cell : Dr. G.D. Gem Mathew

Placement Cell : Prof. Jogy Alex

Dr. G.D. Gem Mathew is also currently the Secretary of the Career Guidance Cell.

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

- i) Display of articles and advertisements related to higher studies and job opportunities on the Department Notice Board.
- 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 keen on placement after their graduation/post graduation.
- v) Organization of campus interviews for students of the final year degree/post graduate classes.

### **Zoology**

Special care is given for academically weak students. Students who need special care and emotional support were offered the same. Some students were sent to the official counselor of the college.

### **English**

The college has a qualified counselor. Besides this, personal advice is given to needy students from time to time.

### **Hindi**

Dr. P. D. George is a trained counselor and offers counseling help to students.

### **Commerce**

Three of our faculty members are qualified counselors. They provide need based counseling to students.

**Economics**

Counseling facility is available for all students

**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.

**Physical Education**

Students who are found in need of counseling support are directed to the official counselor of the college.

**IGNOU**

A tutorial system is well functioning in the department. Students who need special care have been identified and sent to the official counselor of the college.

**37. Placement Services Provided to Students:**

**Statistics**

There is a qualified career counselor. We provide guidance and organize campus interviews. During 2012-12, 15 out of 17 students of M.Sc. Biostatistics and 9 out of 14 students of M.Sc. Statistics got placement.

**Mathematics**

The department is keen in seeing our students placed in several Government /non-Government enterprises/ companies. The department is thinking of forming a placement cell for this purpose. This year itself two IT companies have come forward with interest in conducting campus interviews especially for the maths department.

**Physics**

This year, eleven of our current students have already got placement in leading software companies in India.

Name	Class	Company
Albin Mathew	III DC	Infosys
Aneju Krishnan	III DC	Infosys, TCS



Akhil S Nair	III DC	Infosys, TCS, Wipro,
Anish K Krishnan	III DC	Wipro
Ajith AM	III DC	Wipro
Aravind Raj	III DC	Infosys
Bins Augustine	III DC	Wipro
Sooraj Dominic	III DC	Infosys
George Thomas	III DC	Infosys
Anees Lesley Devassi	II MSc	Wipro
Mottu Joice	II MSc	Wipro

## Chemistry

South Indian Bank selected the following Final Year M.Sc. Chemistry students as their employees through the campus recruitment conducted in the year 2011.

No.	Name	Post	Year	Branch
1.	Prince George	Clerk	2011	Koratty, Thrissur
2.	Rajesh A T	Clerk	2011	Chellanam, Ernakulam
3.	Sumi P Jose	Clerk	2011	Pathanamthitta

## Biotechnology

The placement cell supervised by Prof. James Joseph displays the brochures of various higher education institutions to help the students to choose their careers. The alumni have been helping our students to find good placement. Students are given free coaching classes for competitive exams.

Recent placements are the following:-

1. **Lincy Edatt:** joined for PhD in Central University of Kerala
2. **Linju Lal:** Joined As SRF in Agricultural University
3. **Lathika :** joined for PhD in Central University of Kerala
4. **Akhilesh M Nair:** joined as Microbiologist in PDS, Kuttikanam
5. **Arun Antony:** joined as Microbiologist in PDS, Kuttikanam
6. **Rani James ozhavoor:** joined in Spices board, Ernakulam
7. **Arya M Nair:** joined in Spices board, Ernakulam

8. **Ashna jose:** joined in Spices board, Idukki
9. **Kavya KV:** joined as project fellow in CTCRI, Kasargod
10. **Sethu S:** joined in Pineapple research institute, Vazhakkulam

### **Commerce**

Placement services are provided to students.

### **Economics**

Placement services are provided to students

### **Political Science**

Many of our students received placements in reputed institutions as teachers, researchers, executives, administrative, staff etc.

### **IGNOU**

Axis Bank conducted a campus placement drive and six students were given placement.

## **38. Development Programme for Non-Teaching Staff:**

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

## **39. Healthy Practices of the Institution**

### **Statistics**

At the department level coaching for ISS examination, UGC test etc are given to bright students. Staff meetings are organized at the beginning and at the end of each term. Also duties are assigned to various teachers at the beginning of the academic year.

### **Mathematics**

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. Internal examinations/class tests are properly conducted and the register is maintained. Time-bound completion of the syllabus and thereafter the revision of the topics taught are a common practice in the department. Special classes (zero hour and Saturdays) are conducted. The department maintains proper discipline inside and outside the class rooms. Parents' meetings are conducted regularly and performance of the students is reported to them.

### **Physics**

Detailed discussions are held before planning programs and their implementation with collective support is ensured.

### **Chemistry**

The present trend after the school education is to pursue professional education. Definitely this will adversely affect the prospects of higher education especially in the field of fundamental sciences. In order to attract young talents, we organize every year a chemistry awareness programme for higher secondary students. In this programme we arrange classes describing the scope of chemistry education and a lab visit when we demonstrate experiments. We arrange counselling for students who are in need of it.

### **Biotechnology**

1. Support for teachers to take up major and minor research projects.
2. Financial assistance is provided to needy and deserving students.
3. Promoting interaction of students with experts and professionals from the Industry and enriching learning through guest lectures and seminars.
4. Inter-disciplinary activities are encouraged for developing the research activities of the students.
5. Participation of students in sports, cultural and other co-curricular activities
6. Provides personality development programmes
7. It aims at helping students to cope with personal, academic, family and emotional problems, and provides information about courses and careers

### **Zoology**

Career guidance activities are conducted in the dept. New career opportunities were displayed in the notice board regularly. Former students are also included in the various career programmes.

### **Hindi**

Free noon meals are provided to all financially weak students.

### **Commerce**

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

#### **Activities of the Commerce Forum**

#### **Inauguration**

Activities of the Commerce Forum for the year 2011-2012 started with the election of office bearers on 12.8.2011. The formal inauguration of the Commerce Forum was conducted on 12.8.2011 in a meeting presided over by Dr. K. K. Jose, Principal of the college. Adv. George C. Kappan, President, Kizhathadioor Service Co-op Bank Ltd. inaugurated the Forum followed by a presentation on “Opportunities of Chartered Accountancy”.

### **Onam Celebration**

Onam celebrations were organized on behalf of the Dept. of Commerce. Games like Onappattu, Malayalee Mannan were conducted in which 2<sup>nd</sup> year Post Graduation students were declared as overall champions. Celebrations were concluded by a meeting presided over by Dr. K. K. Jose, Principal. Onam message was delivered by chief guest of the event, Dr. Davis Xavier, Department of Malayalam. Celebrations ended with distribution of Payasam.

### **ComArena ‘11**

ComArena is an annual intercollegiate commerce festival conducted by the Department of Commerce. The fifth edition of the event, ‘Comarena-11,’ was held on December 22, 2011 at the College.

The day long programme was formally inaugurated by Mr. Alex K. Babu, Managing Director, Hedge Equities, at a meeting presided over by Dr. K. K. Jose, Principal of the College.

Over 216 students from 33 colleges from different parts of the State participated in the programme. Competitions were conducted in four different events namely, Best Manager, Business Quiz, Product Launching and Business Plan Presentation. Preliminary rounds of these events were conducted on four different stages and finals on the main stage.

Students of the Department were actively involved in every stage- planning, organizing and execution- of the programme. As far as the students of the Department are concerned the programme afforded a chance for them to enhance their inter-personal skills, leadership qualities etc.

Winners of the competition events were awarded cash prize, trophy and certificates. The programme offered an excellent opportunity for students to showcase their talents.

### **Quiz Competitions**

The forum has initiated the bulk subscription of business dailies for the benefit of students. This year, we subscribe to 55 copies of Economic Times and 76 copies of Business Line. Based on this, the Forum organized Quiz competitions. It was a new venture by the Forum

**Economics**

Regular staff meetings were convened. Budget analysis and quiz programmes for UG classes periodically.

**Political Science**

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

**IGNOU**

1. Extra-curricular and co-curricular activities have been organized under the auspices of the IGNOU Students’ Forum.
2. PTA meetings have been conducted twice a year
3. An induction meeting is conducted every year at the beginning ensuring the participation of all students and parants.

**40. 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 ones are

1. Prof. Thomas Mathew, Maryland University, USA
2. Prof. Sreekanth Bangdiwala, North Carolina University, USA
3. Dr Prema Menez, North Carolina University, USA
4. Dr.Miroslav Ristic, University of Nim,Serbia
5. Dr. D.K. Ghosh, Saurashtra University
6. Dr. A.K. Agarwal, Punjab University, Chandigarh
7. Dr. S.R. Deshmukh, Pune University
8. Dr.S.K.Upadhyay, Banaras Hindu University

**Physics**

Dr.Vincent Mathew	Dr. Vincent Mathew has research collaboration with Dr. Sergie V. Kukhlevsky of Pecs University, Hungary, on
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	Quantum Optics. Also he has collaboration with University of Delhi (Dr. P.Arun, Dr. A.G.Vedeshwar).
Dr. Ison V Vanchipurackal	Dr. Ison V. Vanchipurackal has collaborations with CIE-UNAM 62580 Temixco Mexico, Bio-Nano Electronics Research Center TOYO University Japan, Indian Institute of Technology Delhi, Inter University Accelerator Center New Delhi, Department of Physics Panjab University, Indira Gandhi Centre for Atomic Research, Kalpakkam (IGCAR) and National Physical Laboratory New Delhi, IISER Trivandrum.
Dr. Ginson P Joseph	Dr.Ginson P.Joseph has collaboration with department of Physics, Delhi University, Cochin University of Science & technology, Raman Research Institute, Loyola College, University of Hyderabad and IGCAR, kalppakkam, University of Malaya

## Chemistry

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

## Biotechnology

Dr. Ratheesh M. participated in the conference conducted by Free Radical Society of India.

## Botany

1. Production of elite seedlings of Coconut (*Cocos nucifera*)-Agency- Coconut Board, Govt. of India
2. Biodiversity Assessment in the Rubber plantations of Kerala State – Agency- Rubber Research Institute of India (RRII)
3. Biodiversity monitoring in Protected Areas of Kerala State - Eravikulam National Park, Mathikettan Chola National Park, and Idukki Wildlife Sanctuary – Agency- Dept of Forest, Kerala state
4. Biodiversity documentation of the Protected areas of Kerala State – Chinnar WLS - Agency- Dept of Forest, Kerala state

## History

The department is associated with various research bodies such as,

1. Institute for Research in Social Sciences and Humanities( IRISH)
2. Centre for Heritage Studies ,Hill Palace Museum ,Trippunithura
3. Department of Archaeology, Govt. of Kerala
4. Muziris Heritage Project( MHP)
5. Deccan College Post Graduate Research Institute, Pune
6. Dept. of Archaeology, M S University Baroda
7. Indian Council for Historical Research(ICHR )
8. Heritage Society

## Political Science

We have strong collaboration with the Centre for the Study of Developing Societies (CSDS) through the Department of Politics, University of Kerala, Karyavattom.

## Hindi

The department has linkage with Central Hindi Directorate, New Delhi which is an agency promoting the national language of India. The department received 47 books free of cost from the directorate.

## 4. Any Other Relevant Information the Institution Wishes to Add:

### Statistics

M.Sc Biostatistics students undergo 3 months on the job training in reputed biostatistical/ pharmaceutical companies, medical colleges etc. Also they are given training in LaTeX typesetting, as well as training in most statistical softwares like SAS, SPSS, MINITAB, SYSTAT, MATLAB, MATHEMATICA, MAPLE etc.

### Physics

#### Workshops/Seminars attended by the faculty/ research scholars:

##### I. Dr. Ison V Vanchippurackal

1. The Science Academies' three-day workshop on Quantum Mechanics and Molecular-Resonance Spectroscopy held at St. Thomas College, Pala during 1-3 March 2012.

2. The three-day workshop on Restructuring of Curriculum and Syllabus of the PG degree programme in Physics held at SPAP, M.G. University Kottayam during 23-25 February 2012.
3. The one-day workshop on “Dye Sensitized Solar cells” held at Amrita Viswa Vidyapeetham University on 2-February 2012.
4. The two-day National Seminar on “Conceptual Foundations of Quantum Mechanics” held at Govt. College, Manimalakkunnu on 19, 20 January 2012.
5. The Acquaintance Programme of the IUAC NewDelhi and one-day workshop on Computer Interfaced Science Experiments held at St. Thomas College Pala during 12 and 13 December 2011.
6. The JNCASR and FCBS-sponsored workshop for Chemistry Students and Teachers held at Trivandrum during 8-10 November 2011.
7. The two-day National Seminar on Recent Trends in Nanoscience and Technology held at St. Joseph’s College for Women, Aleppey, Kerala on 30 September and 1 October 2011 and presented a paper on “Hole transfer from CdTe quantum dots”.

## **II. Dr. Ginson P Joseph**

1. National Seminar on Recent trends in Nonlinear Optical Materials and characterization organized by Sacred Heart College Chalakudy , on 10-11 March 2011
2. International Conference on Materials for Advanced Technologies (ICMAT 2011) on 26 June -1 July ,2011 in Singapore

## **III. Anju Babu and Jesly Jacob**

1. Winter College on Optics: Advance in Nano-optics and plasmonics on February 2012 at Trieste, Italy
2. Conference on Frontiers in Optics and Photonics on December 2011 at IIT Delhi
3. CDAMOP 2011 on December 2011 at University of Delhi

## **Chemistry**

### **Workshops/Seminars attended by the faculty/ research scholars:**

1. Applications of Spectroscopy in Structural Studies, Resource Person for Ph.D Course Work, M.G. University, April-May, 2011.



2. Applications of Spectroscopy in Structural Studies, Resource Person for M.S and M.Phil Courses, Nanocentre, M.G.University, May 30, 2011.
3. Challenges in Nanotechnology, UGC sponsored National Seminar, St.Terasas College, Kochi, July, 29, 2011.
4. Judging committee member for best paper and best poster competition, Challenges in Nanotechnology, UGC sponsored National Seminar, St.Terasas College, Kochi, July, 29, 2011.
5. Applications of Spectroscopy in Structural Studies, Resource Person for M.S and M.Phil Courses, Nanocentre, M.G.University, August 06, 2011.
6. "Talk to the Molecules-with Spectroscopy", Seminar on Spectroscopy, BCM College, Kottayam, August 08, 2011.
7. Fundamental of Supramolecular Chemistry, CHEMQUEST, State level Workshop on Chemistry-Our Life, Our Future, St.Thomas College, Pala, Sept. 7, 2011.
8. Structure Elucidation Using Spectroscopic Methods, Lecture Series on Chemistry-Our Life, Our Future, UGC sponsored National Seminar, St.Terasas College, Kochi, Sept.30, 2011.

**Jose K. Xavier**

1. Participated in the National Workshop on Modern Trends in Molecular Modelling at S.H. College, Thevara on 1-3 March 2011

**Political Science**

**Refresher Courses attended:**

**Sijo K Manuel**

1. UGC- Sponsored Refresher Course in Political Science conducted by the UGC – Academic Staff College, Jawaharlal Nehru University, New Delhi, from 2-4-2012 to 27 4- 2012.
2. UGC- Sponsored Orientation Programme (IT- Oriented) conducted by the UGC – Academic Staff College, University of Kerala, Kariavattom, Thriuvanthapuram, Kerala from 5-1-2011 to 1-2-2011

**George Joseph**

.UGC- Sponsored Refresher Course in Political Science conducted by the UGC – Academic Staff College, Jawaharlal Nehru University, New Delhi, from 2-4-2012 to 27 4- 2012

### **Research Articles Published**

#### **Sijo K Manuel**

1. “*Human Rights and Globalisation: Nexus and Reflections*”, Research Lines, Vol, IV No. 02, December 2011, pp.198 - 203. (ISSN 0975 - 8941)
2. “*Mullapariyar: History Threat and Politics*” in A.V. Anilkumar (ed.) Mullapariyar, Kottayam, Papyrus Books, December 2011, pp.98-105. (ISBN 978- 81-922899-0-8)
3. “*Media and Human Rights*” , Malayalam Research Journal, Vol, No. 04, Number – May 2011, pp.1116 – 1123. (ISSN 0974 - 1984)

### **Research Papers Presented**

#### **Sijo K Manuel**

1. Paper presented on “Impact of Media on Government Policy Making: An Analysis” at UGC Sponsored National Seminar, held on March 2 & 3, 2012, on topic ‘Representing the Subaltern: An Enquiry into the Neo – Liberal Mediascape’, at Prajyoti Niketan College, Pudukad, Thrissur, Kerala.
2. Paper presented on “Quality Assurance Agency for Higher Education in India: The Role of NAAC” organized by Kannur University Union, Research Center & Central Library, held on December 13,14 & 15, 2011, on topic ‘Higher Education in India: Challenges and Prospects’, at Kannur University, Kannur, Kerala.
3. Paper presented on “Conceptual Divergence in Human Rights: A Cause for Human Rights Violations” at UGC Sponsored National Seminar, held on December 9 & 10, 2011, on topic ‘Human Rights Issues and Challenges’, at St. Xavier’s College (Autonomous), Palayamkottai, Tamil Nadu.
4. Paper presented on “Good Governance and Protection of Human Rights” at UGC Sponsored National Seminar, held on October 20 & 21, 2011, on topic ‘Right to Information and Good Governance’, at Sree Narayna College, Kollam, Kerala.

### **Endowment lectures organised:-**

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

### **Principal’s Report and List of Scholarships (Refer Appendix)**

## Part C

This section gives the details of the plans for the year 2012-13

### Statistics

Following is a list of activities planned for the year 2012-2013.

1. Statistics Day Celebration on 29.06.12 with quiz and debate competition
2. An international Conference on Epidemiology in August 2012.
3. Special Orientation programs for UGC Test, ISS examination etc.
4. A series of short term workshops in Official Statistics, Biostatistics, Statistics in Banking and Management, Mathematical Statistics etc to be organized.
5. Scholarships to deserving students on merit-cum-means basis.
6. Application for DST-FIST level II support
7. New Add-on Certificate / Diploma Programmes on Latex to be started in 2012
8. An International Journal in Statistics and Applications to be started.
9. New infrastructure facilities to be installed in the M.Sc. class.
10. International Statistics Year Celebrations in 2013

### Mathematics

1. Arrange problem solving contest for bright students and remedial classes for weak students
2. Coaching classes for UGC-CSIR- NET. Classes will be arranged for general science and mathematics.
3. Counseling, Career Guidance and Placement Cell to be strengthened
4. New courses for Postgraduate programme should be introduced
5. Publication of a Journal of international standards
6. Poor students' aid fund will be made operational.
7. Alumni activities will be strengthened further
8. The activities of Mathematics Study Group will be strengthened.

### Physics

The departmental IQAC held on 30-04-2012 chalked out the programs to be implemented in the coming academic year.

1. The meeting decided to organize an international conference on Materials Science and Technology (ICMST-2012).
2. The meeting decided to start a coaching centre led by the members of the faculty for providing problem solving sessions to students to prepare for competitive exams like CSIR-NET, GATE, SET, JEST and postgraduate admission tests of IITs, IISERs, Central and state universities, etc.
3. The meeting decided to give emphasis to research on Nanomaterials.
4. The meeting decided to continue SYP, PSD and LTP programs.
5. The meeting also decided to organize more seminars and invited talks for the benefit of students and teachers.
6. The meeting decided to strengthen the activities of Physics Association and PTA.

### **Chemistry**

1. To improve the infrastructure further.
2. To renovate the department and classrooms
3. To organize seminars/workshops and invited talks
4. To encourage members of faculty to conduct invited talks in other institutions
5. To enhance the publications from the department
6. To promote the research contributions and output of the department
7. To improve the results further

### **Biotechnology**

#### **Research Activities:**

1. The college will promote research by encouraging the staff members to apply for minor and major research projects and other research schemes of the UGC. Staff members will be encouraged to publish research work.
2. Postgraduate students will be guided and encouraged to undertake research studies/projects and to present/publish reports of the same.
3. The Department will invite resource persons from various national and international research institutions and industry.
4. To promote collaborative research

#### **Conferences, Seminars, Workshops:**

1. The staff members will be encouraged to attend conferences and workshops to improve their knowledge.
2. The teachers will be encouraged to organize state, national and international level conferences, seminars and workshops.

**Courses and Consultancy:**

1. To introduce more self-financing and short-term certificate courses and to generate resources through consultancy services.
2. To introduce a new centre for advanced research with special focus on Biochemistry, Biotechnology and Microbiology

**Student Development:**

1. To increase the placement of students through the Placement Cell.
2. To conduct talks on health-related issues and gender awareness among students.
3. To cater to the needs of slow-learners through remedial classes
4. To promote the use of ICT
5. To identify a target group through Placement Cell and give training in soft-skills for better employment.
6. To promote collaborative research
7. To organize national seminars/conferences for dissemination of information
8. To strengthen the activities of Department Association and PTA.

**Botany**

The major plan of the department is to give firsthand information (facts and concepts in Botany) on Plant science to both UG and PG students through field studies at regular intervals. The faculty members of the department have expertise in various branches of Plant Science ranging from Plant Taxonomy, Ecology, Plant Physiology, Plant Tissue Culture, Reproductive Biology, Biochemistry, and Biotechnology to Genetic Engineering. Considering this diversified expertise of the members of faculty, observing the future prospects of the subject and demand pulse of the society the Department of Botany plans to steer the research works of the entire faculty in Plant Diversity and Plant Genetic Resources. For the better participation and contribution to this focal area of research we are proposing the following initiatives.

1. Modernization of Labs, Classrooms, etc.
2. Assess the EFL status of various places in Kerala State.

3. 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
4. Identifying plant species with high carbon dioxide assimilating potential
5. Studies on the phytochemical parameters and analysis for the delimitations of Plant Taxa (Phytotaxonomy) including the finding of new plant borne chemicals
6. Study of the genetic diversity of selected groups especially medicinal and crop plants
7. *Ex-situ* conservation of rare and threatened endemic plants
8. In vivo conservation of the gene pool of medicinal plants and wild relatives of crop plants
9. Exploration of soil micro flora and bacteria and assessment of soil and water quality
10. Audio-visual documentation of plant diversity including bacteria and soil micro flora are the main categories
11. Continue the collaborative research programme
12. Involvement of students of PG and UG courses in all the above said opportunities of plant science research.

### **Zoology**

1. Acquire at least 5 computer terminals for conducting the Bio-informatics practicals
2. Continue the bird diversity monitoring programme and the documentation of the species identified
3. Increase the use of computer-aided teaching
4. Conduct study tour programme, field visit etc.on a regular basis as envisaged in the syllabus
5. Preparation of study materials for all degree classes.
6. Equip all classrooms with LCD projector
7. Revive the Zoology Alumni Association

### **English**

1. More effective monitoring of students' attendance.
2. Improving the communication skills of the students.
3. Improving the U.G.C./ NET Coaching programme.
4. Conducting the Bridge Course with enhanced quality.
5. Strengthening the parent-teacher relationship.

6. Giving more personal attention to students.
7. Encouraging teachers and students to attend seminars.
8. Make peer teaching more effective.
9. Give more written exercises to the students.
10. Improve the infrastructural facilities.
11. Make teaching and learning more technology oriented.
12. Give career guidance and career assistance to students.
13. Promote research among teachers and students.
14. Give more attention to the overall development and character building of the students.
15. Conduct more invited talks.
16. Maintain better discipline in classrooms and other academic programmes.

### **Communicative English**

1. Improving parent-teacher-student relations.
2. Improving the evaluation process.
3. Monitoring the attendance of the students more efficiently and effectively.
4. Organising a media seminar with the cooperation of students and teachers of St. Augustinose College Ramapuram
5. Organise Social Awareness Programmes for students.
6. Focus on the Personality Development of the students.
7. Getting students to write more compositions
8. Encourage students to publish a campus newspaper.

### **Hindi**

1. Start a language lab
2. Start training programme for NET/SET candidates.
3. Publication of research journal bi-annually
4. Conduct a seminar on Research Methodology
5. Remedial classes are to be conducted with a view to securing cent per cent result with university ranks.
6. Training in hindi translation and office automation
7. Increase the intake of students for M. A. Hindi and Ph. D. programmes.

### **Commerce**

**Duties Assigned**

- |   |                         |
|---|-------------------------|
| 1. Head of the Department,<br>General Co-ordination and Supervision         | - Prof. Johnson Andrews |
| 2. Commerce Forum, Academic audit   | - Dr. Sunny Joseph      |
| 3. Placement, Personality Development Cell,<br>Intercollegiate Competitions | - Dr. K.V. Thomas       |
| 4. IQAC, Research Extension and Consultancy                                 | - Dr. V.V. Georgekutty  |
| 5. Admissions, Support to students  | - Prof. K.V. John       |
| 6. Department Secretary   | - Mr. Bobby Simon       |
| 7. UGC Test Coaching, Business Quiz   | - Mr. Tejil Thomas      |

**Proposed Activities in 2012-13**

1. Inauguration of add-on course
2. Formation of ED Club
3. Duty allocation among faculty members (June)
4. Model Viva along with Model Exams for IV Semester M.Com students (June)
5. Preparation of Internal Academic Audit reports and other allied annexure and files. (July)
6. Peer teaching by II PG(III SEM) students in II B.Com (Aug)
7. Admissions – July & August
8. STCCA Annual General Meeting (July)
9. Organizing a National Seminar, Workshops and Invited Talks by eminent academicians, and practicing Chartered Accountants.
10. Preparations for NAAC Visit
11. Centralized mid-term test paper by the department in July and November.
12. Commerce Forum Inauguration  
Seminar/Workshop/Invited Talks - August
13. Onam Celebration -September
14. Com Arena-‘12 (Inter-collegiate Commerce Fest) -December
15. Christmas Celebration -December  
Valedictory -March
16. 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	

17. Study tour for III DC (November) and II M Com (January)
18. Result Analysis (January)
19. Induction Programme (ComNox) (February)
20. Academic audit – March
21. Vision 2020
22. Synopsis presentation of II. M.Com Students (March)
23. B.Com Project preparation and Model Viva-Voce (April)
24. Prof. Philip John Endowment
25. Remedial classes, support to weak students and motivation to outstanding ones identifying weak students, promoting enterprising ones etc
26. Staff tour (November).

### **Economics**

1. Conduct a two-day workshop for the Economics teachers regarding the revised PG curriculum in September 2012.
2. Conduct a national seminar on Financial Sector Reforms in the first week of October 12.
3. Inter-collegiate quiz competition and Eco-fest in December 2012
4. Modernization of II B A, I MA and II MA classrooms
5. Socio-Economic survey on life style changes and morbidity in December 2012.
6. Merit-day to honour the NET/JRF holders and toppers in university examinations
7. Alumni meet in January 2013
8. Union Budget analysis in March 2013.
9. Add-on course for UG students in association with the Insurance Institute of India.

### **History**

1. To start a P.G. department for History. The application is already made to the University and the verification of the same was done by the University.
2. To arrange a separate room for the department
3. To appoint teachers on permanent basis in the department

4. Purchase computers and printers for use in the department.
5. To start a Museum

### **Political Science**

1. Increased participation of faculty members in the orientation programmes, refresher programmes, faculty improvement programmes, seminars, workshops etc.
2. The department plans to conduct a national seminar in collaboration with UGC.
3. The Department plans to develop a tie-up with local self government institutions as part of its extension activities to impart practical training to students on the decentralization process and governance
4. Undergraduate students, as part of their syllabus, will be given an opportunity to watch the functioning of the State Legislative Assembly and Parliament
5. Prof. M.T. Thariyan endowment lecture will be conducted every year
6. Rao. N.C. Mathewkutty Endowment Lecture
7. Prof. N.C. Mathewkutty Endowment Lecture
8. Forum for Great Thought.
9. Special orientation for UGC-Test and Civil Service Examination etc.

### **Physical Education**

1. Construction of a new Swimming Pool
2. Construction of an indoor stadium
3. Maintenance of playfield
4. Starting of a new course in sports education.
5. Strengthen the college volleyball and athletic team

### **IGNOU**

1. To conduct an induction programme for students at the beginning of the year
2. To continue offering the add-on certificate programme on career orientation
3. To conduct moral classes and religious instruction programmes for students
4. To conduct a seminar on tax rules and practices in India
5. To conduct a two-day workshop on the topic 'How to Appear for an Interview'
6. To conduct 3<sup>rd</sup> Kasturba Gandhi Keraleeyam Qquiz Competition for the feeder course on an all-Kerala basis

7. To actively participate in the annual internal academic audit and NAAC reaccreditation process
8. To update the question bank for use by students and teachers
9. To conduct internal examination with university model question papers
10. To conduct a business quiz for students
11. To promote the activities of IGNOU Students' Forum
12. To offer the DCA programme to all students and certify those who successfully complete the programme.
13. To evaluate assignments and transmit grades to university at the stipulated time.
14. To properly maintain the computer lab
15. To organize ICT-aided seminar for students with view to training students in the proper use of technology
16. To conduct 'Meet the Parents Programme' twice a year
17. To enhance the enrolment of students for IGNOU programmes
18. To conduct a tour programme for III DC students

### **NCC-Army Wing**

1. To organize programmes to encourage cadets to involve in social services.
2. To conduct orientation programmes for the cadets.
3. To conduct tree plantation programmes.
4. To conduct a trekking camp for cadets
5. To organise quiz programmes and leadership camps.
6. To organise a blood donation camp in the college.

### **NCC –Navy Wing:**

1. To conduct two day trekking camp.
2. Renovation of naval wings herbal garden.
3. Conduct a cycle rally to promote environment protection.
4. Vegetable gardens at the homes of cadets.

### **NSS**

1. To become one of the best NSS units in MG University region.
2. To organize various programmes for promoting the social commitment of students.
3. To undertake various social service programmes in the Pala Municipality area.

4. To undertake various enrichment programmes in the partner institutions.
5. To organize health education programmes in the partner villages.
6. To conduct a seven-day special camp.
7. To collaborate with the Anti-Narcotic Cell of the college in organizing various programmes

### **Career Guidance Cell**

1. The Career Guidance Cell plans to organize a state level career-fair with the aim to provide an opportunity for the prospective employees to meet the employers and to explore potential career opportunities. During the event, the employers will get an opportunity to meet the final year graduates and postgraduates. Major public and private sector employers are expected to participate in the career-fest.
2. Help graduates and postgraduates to attend various career-fairs in and outside the state.
3. Organize an orientation programme for the employment sector and develop transferable skills such as effective communication skills, leadership skills, teamwork skills, and management skills.
4. Introduce programmes to facilitate students' potentials to equip them with functional knowledge, values and attitudes, desirable habits and skills needed by them to cope up with the changes in their environment.
5. Provide orientation to help students in coming up with personal career goals.
6. Conduct classes and workshops to develop an understanding of the need and importance of career guidance of pupils.
7. Organize various sessions to identify the role and function in locating collecting evaluating and disseminating career information guidance for the use of pupils.
8. Introduce classes to develop an understanding related to record of work.
9. Conduct awareness classes to know about the importance of developing the right attitudes at every stage of education.
10. Give sufficient training programmes to the teachers in charge of the Cell to develop skills and competencies in guiding and counseling the students with regard to their personal problems and requirements.
11. Arrange a media awareness programme for the students to familiarize themselves with the ever changing information field.

**Appendix-1**

**Principal’s Annual Report for College Magazine-2011-2012**

Dear Staff, Parents, Students and other stakeholders,

I am happy to present the report for the year 2011-2012 before you.

**I. Strength:**

The following is the staff-students strength of the college as on 1-11-2011.

UG	: 1184	}	1811
PG	: 441		
Ph.D. Research Scholars	: 186		
Teachers	: 89		
Guest Teachers	: 27		
Non Teaching staff	: 46		

The academic year 2011-2012 has been a very successful year in terms of curricular and extra-curricular activities. Our NSS Unit was selected by M.G.University as the Best NSS Unit and Prof. Thankachan Augustine as the Best Programme Officer during 2010-11. Department of Science and Technology (DST) has identified our college for support under DST-FIST Scheme and sanctioned Rs.90.00 lakhs for our science departments. The college union elections were held in a very peaceful atmosphere and a number of co-curricular activities were organized for students. Thanks to the cordial and peaceful atmosphere in the campus, our students have brought laurels to the college by winning as many as 17 university ranks during the final year examinations held in March/April 2011. The following tables show the spectacular achievements of our students during this academic year.

**II. University Ranks in Examinations held in 2011**

Sl.No.	Course	Rank	Name of the student
1.	B.A.Politics	I	Ajmal S. Razaq

2	B.A. Communicative English	I	Shilpa Joy
3	B.A. Communicative English	II	Binny Treesa Vargheese
4	M.A. English	I	Geethu Jose
5	M.A. Hindi	I	Karthika S.Nair
6	M.A. Hindi	III	Athira Gopal
7	M.A. Politics	I	Bindhu Jose
8	M.A. Politics	II	Noble Mathew
9	M.A. Malayalam	III	Remya Jose
10	M.Sc. Chemistry	III	Princy Philip
11	M.Sc. Bio-Statistics	I	Rowther Shamna Safar
12	M.Sc. Bio-Statistics	II	Linumol K.
13	M.Sc. Bio-Statistics	III	Ann Mary Sebastian
14	M.Sc. Botany	I	Tinu Thomas
15	M.Sc. Applied Microbiology	I	Jubi Jacob
16	M.Sc. Applied Microbiology	II	Cynthia Mathew
17	M.Sc. Applied Microbiology	III	Arya Nair M.

The overall performance of the students in the various university examinations was also very encouraging. A Merit-Day was celebrated on 16 August 2011 to felicitate our students on their meritorious achievements.

**Result of the University Examinations held in April/May 2011**

COURSE	Total	Total	I.Class	II.Class	%	Rank	Remark
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	appeared	Passed					III.Class
B.A.Economics	42	39	9	10	96		20
B.A.Politics	27	24	3	7	88.8	I.Rank	14
B.A.English	20	16	2	3	80		11
B.A.Malayalam	11	8	3	3	72.7		2
B.A.Voc. History	14	10	6	4	71.42		0
B.A. Comm.English	35	35	24	10	100	I & II Rank	1
B.Sc.Mathematics	18	14	8	5	77.78		1
B.Sc. Physics	28	19	13	6	67.86		0
B.Sc.Chemistry	22	10	6	3	45.45		0
B.Sc.Botany	17	15	5	3	88.24		6
B.Sc.Zoology	12	8	3	3	66.67		1
B.Com	54	50	41	9	92.59		0
M.A.Economics	22	20	11	9	90.91	VII.Ra nk	
M.A.Politics	24	20	13	3	83.33	I,II,IV, VI,VIII ,IX	
M.A.English	26	23	21	2	88.46	I,IV,V, VI,X	
M.A.Hindi	13	12	8	4	92.31	I,&II.R	

						ank	
M.A.Malayalam	13	12	11	1	92.31	III,VI& IX Rank	
M.Sc.Mathematics	14	14	11	3	100		
M.Sc.Statistics	14	12	2		100	IV,V,VI I,VIII.R	
M.Sc.Physics	16	14	11	3	87.50		
M.Sc.Chemistry	16	13	13		81.25	III,VII, VIII&X .R	
M.Sc.Botany	12	11	11		91.67	I.Rank	
M.Sc.Bio- Statistics	17	17	17		100	I to X Rank	
M.Sc.BioTechnolo gy	19	12			63.16		
M.Sc.Appl. Microbiology	21	20	20	0	95.24	I,II,III. Rank	
M.Com	15	15	15		100	VI.Ran k	

### III. UGC-CSIR JRF/NET Examination, Scholarships etc.

Sixteen students qualified the UGC/UGC-CSIR NET/JRF Examinations during 2011.

### IV. Awards/Recognition to staff and students:

This year our staff got a number of recognitions and awards. Dr.K.K.Jose of Statistics Dept. was elected as a Fellow of Royal Statistical Society, U.K. and was selected for the Prof.



P.V.Sukhatme Award of ISMS. Dr.V.V.Georgekutty Vattoth was selected for the St.Berchmans Award for the Best College Teacher in Kerala. Dr.C.K.James was nominated by Kerala State Higher Education Council (KSHEC) as a member of the Committee for studying problems of CBCSS. Sri.Jose Mathew was selected as the General Secretary of the KPCMSF and was nominated as a member of the Committee constituted by KSHEC for studying the problems of non-teaching staff in colleges. Hearty Congratulations to all for their achievements.

## V. Achievements in Co-curricular Activities

### a. Achievements in Cultural and Literary Events

This year also our students participated in the M.G.University Youth Festival 2012 held at Tiruvalla and won three prizes. Prince T. Jose won A grade for Film Review. Nikhil K.Hari won A grade for Mono Act and Mimicry. Many of our students won prizes in intercollegiate competitions in Quiz, Debate etc.

### b. Achievements in Sports and Games

The year was very fruitful and eventful for the college in terms of sporting activities and achievements. Apart from the conduct of the South India Volleyball Tournament in memory of founder patron Bishop Mar Sebastian Vayalil the college organized numerous other programmes for the well being of the college students as well as for the well being of the society. The college athletic team became second runners up in the M.G. University Intercollegiate Athletic Championship, held at Ernakulam. The College Athletic team also won the Senior State Inter Club Athletic Championship held at Ernakulam in July 2011 defeating Indian Navy. All the print and electronic media widely acclaimed the success of the college in athletics. During the year 17 of our students were selected to represent the State and University in the national championships.

### c. Other activities organized:

- a. Summer coaching camp for games such as Volleyball, Cricket, Football and Badminton for the children of the nearby locality.
- b. Karate Classes for college students, Yoga classes for staff.

- c. 34<sup>th</sup> Bishop Vayalil South India Intercollegiate volleyball tournament for Men & Women held during 5-9 March 2012
- d. All Kerala Sports Quiz held on 7 March 2012
- e. Annual Sports Meet in which competition for teaching and non-teaching staff and students were also conducted.
- f. Tug of war competition for students and staff
- g. Regular coaching camp for college students in Volleyball, Football and Athletics

The following students got university sports scholarships as detailed below:

Sl.No.	Name	Amount (Rs.)
1.	Sijumon K.S.	4000
2.	Vipin Francis	4000
3.	Aswinkumar B. Menon	4000
4.	Vijith Vijayan	1500
5.	Dileep Venugopal	1500
6.	Jaison James	1500

#### VI. Ph.D. Awardees (2011-2012)

The following research scholars were awarded Ph.D. during this year. Hearty congratulations to them.

#### Research Scholars:-

Sl.No.	Name	Subject	Guide
1	Krishna E.	Statistics	Dr.K.K.Jose
2	Dais George	do	Dr.Sebastian George
3	Lucy Mathew P.	Chemistry	Dr.Sunny Kuriakose

4	Chandralekha P.	Hindi	Dr.V.V.Georgekutty
5	Rajeemol C.R.	do	Dr.K.M.Mathew
6.	Susan Alex	do	do
7	Neerada Maria Kurian	do	do
8	Sobhitha Sebastian	do	Dr.Mathew Thomas
9	Remani Ammal A.	do	Dr.C.K.James
10	George James T.	Physics	Dr.Vincent Mathew
11	Sindhu K.K.	Botany	Rev.Dr.M.M.Mathew
12	Meena K.Chervathur	do	Dr.Dennis Thomas T.
13	Shibumon George	Bio-Chemistry	Dr.P.J.Benny

**Fellowships:-**

The following research scholars were awarded fellowships worth Rs. 6000 per month by M.G. University during 2011-2012.

Sl.No.	Name	Subject	
1	Nisha Mary Jose	Commerce	UGC-JRF
2	Princy Jacob	English	do
3	Bhagyaraj C.	Physics	CSIR-JRF
4	Meena K. Chervathoor	Botany	Uty. JRF
5	Sindhu K.K.	Do	Do
6	Cincy George	Chemistry	Do
7	Pratheesh George	Mathematics	Do

8	Litty Lilly Francis	English	Do
9	Rajeemole C.R.	Hindi	Do
10	Rejani V.A.	Do	Do
11	Kochurani Joseph	Do	Do
12	Preethi. R	Do	Do
13	Shija Grace	Do	Do
14	Neerada Maria Kurian	Do	Do

**VII. Research Projects:**

The following new research projects sanctioned during this year:-

Sl. No.	Name	Subject	Project	Amount	Period
1	Dr. Ison Vanchipurackal	Physics	UGC (Minor)	87,000	2011-13
2	Dr. Sunny Mathew	Do	UGC (Minor)	85,000	2011-13
3	Sri.Bince Mani	Botany	UGC (Minor)	1,30,000	Do
4	Dr. Johns Augustine	do	UGC (Minor)	98,000	Do
5	Dr.Sunil C.Mathew	Maths	UGC (Minor)	1,60,000	Do
6	Dr. Raj Mathew	do	UGC (Minor)	2,00,000	Do
7	Dr.K.K.Jose	Statistics	UGC (Major)	9,95,200	Do

**VIII. UGC Plan Grant (Eleventh Plan)**

Various grants were sanctioned by UGC under different heads, as detailed below:-

1. Career Oriented Programmes-UGC - Rs.24.00 Lakhs
2. College with Potential for Excellence – UGC - Rs.50.00Lakhs
3. Additional Assistance -UGC - Rs.25.00Lakhs

**IX. Seminars/Conferences:** - The following grants were received for the conduct of seminars/ conferences/ workshops in various departments.

Sl.No.	Department	Funding Agency	Amount allocated. Rs.
1	Chemistry	CSIR	40,000.00
2	Chemistry	KSCSTE	40,000.00
3	English	UGC	1.50 Lakh
4	Botany	UGC	1.00 Lakh
5	RACS Cell	KSCSTE	15000.00
6	Physics	DST	6.5 lakhs
7.	Commerce	UGC	50,000.00
8.	Malayalm	KSCSTE	25,000.00
9.	IQAC	UGC	75,000.00
10.	Politics	MHRD	1.00 lakh
11.	Politics	American Consulate	2.5 lakhs

#### X. College Union Activities

This year the College Union Elections were held on 14 October 2011 strictly as per the schedule given by M. G. University according to Parliamentary form following clause 6.4. in Lyngdoh Commission Report and Supreme Court of India directions. Two representatives were elected from each class and they in turn elected the college union executive. Sri. George Pious, Ms.Aswathy A.S., Sri.Adithya P. Scaria, Sri.Vishnu S. Damodar, Sri.Nandhu J. Parackal, Sri.Amal Raj, Sri.Jayesh Mohan were elected as College Union Chairman, Vice-Chairperson, General Secretary, Arts Club Secretary, Magazine Editor and University Union Councillors respectively. Sri.Ron George was nominated as Sports Secretary. The members took oath on 1 December 2011. The College Union was inaugurated by noted poet and Kerala Sahithya Academy Award winner Sri. Ezhacherry Ramachandran on 14 December 2011 and a Ganamela by Pala Communications was also held. The Arts Club activities were inaugurated by master Nandu Kishore, Idea Star fame on 19 December 2011. The Arts Festival *Celebro 2011-12* was held during 19-21 December 2011. Dance classes were also arranged by the Arts Club. The students participated in the M. G. University Youth Festival and Natakolsavam and won several prizes.

The inter-house games competitions in cricket, volleyball and football were held during February 2012 and the Sports-Fest was held during 2-3 March 2012. Mr. St. Thomas Competition, Two

wheeler fancy dress competition, two wheeler slow races, etc were also organized with the massive participation of students. A friendly match in volleyball between staff and students was also organized.

The College-Day was celebrated on 20 March 2012. Noted Cine Artists Anoop Chandran, Kannan Pattambi and Rajeev Pillai were the chief guests. The mementos were presented to students who won prizes in various competitions conducted by the college union.

### **XI.N.S.S. and N.C.C.**

The National Service Scheme is functioning under the Ministry of Human Resource Development. The over all objective of the scheme is to serve the community while undergoing instruction in an educational institution. Over the years there has been a shift in the emphasis and the objective of the scheme now is the development of the personality of the students through involvement in community services. Prof. Thankachan Augustine, Dr. Sunny Mathew and Prof. Paul V. Karamthanam were the Programme Officers of the NSS Unit. There were more than 300 NSS volunteers. There is a creative Forum to nurture the talents of the volunteers. The annual work camp was held at Kayoor during Onam Holidays and the volunteers constructed roads and houses in that locality. There were various awareness programs, mini work camps, personality/leadership development programmes, adoption of schools, developing libraries, sponsoring uniforms and umbrellas to poor students, legal awareness, anti-ragging campaign, eye donation campaign, blood donation, staging street dramas, anti-narcotic campaign etc. The Mullaperiyar Rally was organized to show our solidarity with the people there. The unit organized an intercollegiate training camp for unit secretaries of all colleges under M.G.University.The NSS has been very active and successful in giving proper guidance to students in making them responsible citizens with devotion and commitment to the society.

The NSS unit won the trophy for the **Best NSS Unit under M.G. University** during 2010-11.Our programme officer Prof.Thankachan Augustine won the prize for the Best NSS Programme Officer and the Principal was presented a certificate for the Best Principal in promoting NSS activities.

N.C.C. has Army and Naval units. There are more than 200 cadets in total. The Pre Republic Day Camp was hosted by our unit during September – October 2011. The unit organized awareness programme and a Cycle Rally against alcohol and abuse of drugs. The Independence Day and Republic Day were celebrated in a befitting manner. The NCC cadets visited the mentally

retarded students at Mariabhavan School, Edappady and built a playground for them. Four of our N.C.C. Cadets Mr. Vishnu Raj, Arun Reji, Arun M. and Christymon George participated in the Republic Day Parade at New Delhi during January 2012.

## **XII. Career Guidance and Counseling Activities:**

The college is having the services of four teachers as Career Counsellors. They are Dr. K.V. Thomas (Commerce), Mr. Tomy Cherian (English), Dr. Seemon Thomas (Statistics) and Dr. C.K. James (Hindi). Students and parents can contact them for information regarding career choices, professional courses, eligibility criteria, future prospects, etc. They will also conduct career orientation programmes. Programmes for career guidance and personality development are conducted for all the students by the career guidance centre. Coaching for Bank Tests, UGC NET/JRF examinations is also offered. Career-fests are organized every year. A number of students were recruited for various jobs under campus placement scheme. More than 300 students got selection to various nationalized/scheduled banks as probationary officers and clerks. 17 students were recruited by South Indian Bank as executive trainee officers by way of Campus Recruitment. They contributed a sum of Rs. 2.00 lakh to the college for the poor students' fund.

## **XIII. Women's Forum**

The Women's Forum was very active this year. Ms. Juno Jose was the President and Ms. Jyothi Nath the Secretary. The activities were inaugurated by Prof. C. J. Philomina of Alphonsa College, Palai. There were a number of activities like personality contest, ornament making workshop, etc. The Women's Day celebrations were held on 8 March 2012. It was inaugurated by Ms Radha V. Nair, President, Kottayam District Panchayath. The Miss St. Thomas competitions were also held and Ms Jincy Joseph won the Miss St. Thomas title. Ms Sherin Wilson won the personality contest. The valedictory address was given by Prof. Suja Susan George, Professor St. Mary's College, Manarcadu; a noted social activist.

## **XIV. Parent Teacher Association**

The P.T.A. is very active for ensuring campus discipline and under the leadership of PTA various development programmes were initiated. Classroom renovation, campus road construction and tarring, renovation of college canteen, providing facilities for sports and games, etc. are some of its activities. The class-wise P.T.A. meetings were held on 21-10- 2011. The

annual general body was held on 2-3-2012. A number of proficiency prizes were sponsored by P.T.A. The activities of Dr. P.J. Thomas Foundation are co-sponsored by the P.T.A. Sri. Tom Thomas Ramapuram was the President of P.T.A. and Sri. Thomas M. K. Mattam acted as the Secretary. May I thank all executive committee members for their support and encouragement.

#### **XV. Faculty of Religion**

The Faculty of Religion organized retreat programmes for all classes. Catechism classes for Catholic students and moral classes for Non-Catholic students were organized during this year also. The annual retreats and spiritual enlightening classes were held for all students. October Devotion and Rosary for 10 days are regularly conducted in October every year. The Christmas Celebrations were held on 23-12-2011 and the chief guest was Rev. Dr. George Njarakunnel, Manager, Mar Augustinose College, Ramapuram. All departments staged various cultural programmes as part of the X'mas Celebrations. The Diocesan level prizes for Catechism was won by the college team consisting of Ms. Neethu Grace Prakash, II DC No.681 (Communicative English) and Mr. Kurias Markose, II DC No. 86 (Physics).

#### **XVI. Extension Centers/Civil Service Institute/IGNOU Study Centre**

This year Civil Service Institute had achieved marvelous results. Out of 37 civil service selections from Kerala, 23 were from this centre. There are one year and two year programmes for preliminary examinations. A residential 6-months programme is also conducted for mains. Our teachers serve honorary faculty members.

IGNOU Study Centre offers B.Com. M.Com. and German Certificate programmes to more than 250 students under convergence and distance education schemes.

#### **XVII. Programmes during 2011-2012**

Following are the major programmes conducted during the academic year 2011-2012:-

16.6.11	Reception to Civil Service Exam winners 2011
25.6.11	NCC Rally against the abuse alcohol and narcotics
4.7.11	Civil Service Examination Orientation
24.7.11	Commerce Alumni Meeting
27-28.7. 11	Indo-US Seminar sponsored by US consulate General, Chennai



2.8.11	Holly Qurbana by H.E.Bishop in the College Auditorium
5.8.11	Kerala Budget Analysis
5.6.8. 11	NSS Two Day Camp
8-8-11	Reception to Freedom Fighters in collaboration with Heritage Forum and Dept of History
12-8-11	Commerce Forum inauguration
16-8-11	Merit-Day to facilitate University Rank Winners and UGC-CSIR NET-JRF Winners
19-20.8. 11	NSS Camp for Freshers
23-24.8. 11	KSHEC sponsored Workshop on Poetry – Malayalam Dept.
1-9-11	Invited Talk on 50 years of Laser by Dr. K. S. Rastogi, IIT Mumbai.
2-9-11	Inauguration of renovated Council Hall
2-3.8.11	DST- PAC Meeting
2-9-11	NSS Unit selected as the best unit under MG.University
3-9-11	Won University Championship in Cross-Country Competition
2-9-11 to 8-9-11	NSS Camp at Kayyur
3-9-11 to 8-9-11	‘Sanctitas’-Jesus Youth Camp
5-7 Sept 11	NISCAIR book exhibition
5 Sept 11	Youth Camp in collaboration with Y’s Men.
5-8 Sept 11	Shastrapadam Science Camp – Chem Quest 2011 to celebrate Year of Chemistry
19-20 Sept 11	IQAC National Seminar

- 20 Sept 11                    Drama Workshop by Surya Theaters- Malayalam Department
- 24-Sep 11                    Alumni Day and Award Presentation.
- 29-8-2011 to 9-10-2011        : NCC Annual Training Camp
- 7-10-2011                    : Politics Association inauguration
- 10-10-2011                    : Dr. P.J. Thomas Centre – Intercollegiate Workshop on Project  
Work & Report Preparation
- 10-10-2011 to 30-10-11        : October Devotion & Rosary
- 11-10-2011                    : Blessing of ‘G ’Building Annex
- 14-10-2011                    : College Union Election held
- 20-10-2011                    : Bio-tech Association Inauguration
- 29-10-2011                    : Workshop on Bio-statistical Modeling and Clinical Data  
Analysis
- 10-11-2011                    : IGNOU – Kasturba Gandhi Quiz Competition
- 19-11-2011                    : Chemistry Alumni Association Meeting
- 21-11-2011                    : Bishop Mar Sebastian Vayalil – 25<sup>th</sup> Death anniversary
- 24-25 Nov 2011                : UGC sponsored national seminar organized by the Department of  
Botany
- 1-12-2011                    : Started yoga classes for staff
- 1-12-2011                    : Oath taking of College Union Office Bearers
- 2-12-2011                    : Inauguration of Creative Forum of NSS
- 4-12-2011                    : Young Men District Sports Meet
- 6-12 11 to 7-12-2011        : Spiritual Retreat for I & II DC

- 9-12-11 to 12-12-2011 : International Seminar on History
- 12-12-11 to 13-12-2011 : Workshop by Nuclear Science Centre, New Delhi organized by Dept. of Physics
- 12-12-11 to 13-12-2011 : Spiritual Retreat and Moral classes for III DC & PG
- 14-12-2011 : Inauguration of College Union Activities by Sri. Ezhacherry Ramachandran
- 15-12-2011 : College Union Arts Competitions starts
- 15-12-2011 to 16-12-2011 : UGC Sponsored Seminar on Direct Taxes Code
- 9-12-2011 : Arts Club Inauguration
- 20-12-11 to 21-12-2011 : Arts Festival
- 22-12-2011 : Visit to Mariya Sadan, Pala
- 22-12-2011 : Commerce-fest Inter-collegiate Competitions
- 23-12-2011 : Christmas Celebration
- 1-1-2012 : Alumni Meet – B.Sc. Physics (1980), M.A. Econs. (1980)
- 1-1-2012 : Dr. Jomy Augustine, HOD Botany gets KCBC Award for Best Environmentalist
- 11-1-2012 : Merit Day – Politics Department
- 12-1-2012 : Personality Contest for Lady students
- 13-1-2012 : Women’s Forum Inauguration
- 17-1-2012 : Career Program by Atheena Academy, Erattupetta.
- 17-1-2012 : PTA Executive Committee Meeting.
- 20-1-2012 : NSS – Legal Awareness Programme.
- 21-1-2012 : Dr. U.S. Nair Quiz, Prof. K. Ramakrishna Pillai

Memorial Statistics Problem Solving Quiz

- 24-1-2012 : NSS – Blood group testing and blood donation in collaboration with Medical College, Kottayam
- 25-1-2012 : IELTS English Training Program – Mark Day Academy, Bharananganam
- 26-1-2012.1.1 : Republic Day Celebrations – 4 students of the college attended R.D. Parade in New Delhi
- 27-1-2012 : NCC Quiz, Exhibition of War Weapons, War Demonstration
- 28-1-2012 : B.Sc. Chem. (2009) – Alumni Meet
- 30-1-2012 : Statistics Dept. – Invited talk by Dr. Bovas Abraham, Water Loo University, Canada
- 4-2-2012 : NCC –B Certificate exam
- 8-2-2012 to 9-2-2012 : Internal Academic Audit by IQAC
- 10-2-2012 : Workshop on SPSS & R Software
- 10-2-2012 : Women Empowerment Program in Collaboration with Janamaithry Police
- 14-2-2012 : Prof. Mathew T. Matheikal Mathematics Quiz
- 15-2-2012 : Employment Abroad Program by Naipunya, Kochi
- 15-2-2012 : STC Staff Co-op. Society General Body Meeting.
- 16-2-2012 : Economics Dept. – Diamond Jubilee Inauguration, Debate on Foreign Investment in Retail Business,
- 16-2-2013 : NSS University Level Inter-collegiate 3-Day Camp
- 18-2-2012 : Non-teaching staff tour to Munnar
- 21-2-2012 : Science Day – Quiz, Essay, Poster Design Competitions
- 23-2-2012 : Malayalam Dept. – Book by Dr. Davis Xavier released

- 24-2-2012 : Open Courses presentation by Co-ordinators
- 25-2-2012 : Retired Teachers' Meet
- 27-2-2012 : Science Day Celebrations
- 27-2-2012 : Two-Wheeler Users Meet
- 29-2-2012 : Sports Day Competitions
- 30-2-2012 : Sports Meet
- 1-3-2012 : Indian Academy of Sciences sponsored 3-Day Workshop  
: P.T.A Annual General Body Meeting, Merit Evening – Prizes and Scholarships distributed.
- 5-3-2012 : Short Film – Manorama Competition Road Show, Bishop  
Vayalil Volleyball Tournament
- 6-3-2012 : Sports Quiz
- 7-3-2012 : Mr.St.Thomas Competitions
- 8-3-2012 : International Women's Day Celebrations
- 9-3-2012 : Bishop Vayalil Trophy Finals
- 19-3-2012 : Patron's Day Celebrations
- 21-3-2012 : Union Budget 2012-2013 Analysis
- 22-3-2012 & 23-3-2012 : National Seminar on Human Rights & Domestic Violence
- 28-3-2012 to 30-3-2012 : UGC National Seminar on Postmodern Ethical Criticism in the  
West and East with reference to Levinas and Gandhi
- 29-3-2012 to 30-3-2012 : National Seminar on Recent Developments in Biotechnology  
and  
Applied Microbiology
- 10-4-12 to 12-4-2012 : CMC Workshop on SAS Programming

23-4-2012 : Sri. George Thomas Kottukappally Lecture by Sri. K.M Mani on Kerala Budget 2012-2013

### **XVIII. Alumni Association Activities:**

The Alumni Association was very active during this year. The Alumni Association conducted a Quiz programme in memory of three founding fathers namely Menamparampil Pappachan, John Nechikkattu and M.A.Zacharias. The Founding Fathers Trust Award of the Alumni Association for the Best Alumni who rendered meritorious service to the society upholding values was presented to Sri.K.J.Mathew IAS, former Chief Secretary of Kerala on 24 Sept 2011 by Bishop Mar Joseph Pallickarampil. A number of distinguished alumni like Padmasree Dr. Jose Chacko Periapuram, President's Police Medal winner Sri.K.V.Joseph etc. were felicitated. A number of scholarships and awards worth Rs.1.50 lakh were distributed to the students. Dr.P.J.Thomas Palackavayalil scholarship worth Rs.1.00 lakh was given to meritorious science students. The Kuwait Chapter 'PASTCOS' instituted a scholarship worth Rs. 10,000 every year. The Dubai Chapter of STAC contributed Rs.30,000 as scholarship to meritorious students. Sri. George Thomas Kottukappally memorial talk was delivered by Sri.K.M.Mani, Honble Minister for Finance and Law on 23 April 2012 by analysing the salient features of the Kerala Budget 2012-13.

### **XIX. Journals and Magazines from the Campus**

There were eight journals/publications from the campus. (i) STARS International Journal (Sciences) ISSN: 0973 - 7804 and (ii) STARS International Journal (Humanities and Social Sciences) ISSN: 0973 - 7812 (iii) College News Letter (iv) The Thomist (v) Sodh Kshitij (vi) Malayala Sabdam (vii) The Spectator (viii) Manuscript Magazine of Women's Forum. (*Thante idum*)

### **XX. Tributes to the departed**

Our student Sri Albin Augustine of I B.Com. Passed away on 14 April 2012 following an accident. We place on record our deep condolence on his untimely death and pray for his soul.

Our former teacher Prof.K.Gopinatha Panicker of Statistics Department, our non teaching staff members Sri.M.D.Devasia and Sri.M.K.Paily also left us for heavenly reward. All of them had worked most sincerely for the development of our college and students in various capacities. Let us remember them gratefully and pray for the repose of their souls.

**XXI. Words of Gratitude**

On this occasion, I gratefully remember the co-operation and goodwill extended by the Management, members of the faculty, non-teaching staff, students, parents, media and the public. Special thanks are due to H.E. Mar Joseph Kallarangatt, Patron of the College, H .E. Mar Joseph Pallickaparambil, former Patron, Msgr. Dr. K. M. Joseph Kollamparambil, Manager and all members of the Managing Board for their encouragement, support and valuable advices. I sincerely thank Rev. Fr. Joseph Njarakkattil, Vice-Principal and Rev. Fr. Mathew Kavanadimalayil, Bursar of the college for their help and support. Above all, I thank Almighty God and our heavenly patron St.Thomas for the abundant blessings bestowed upon the college during the academic year.

30.4.2012

**Principal**

## Appendix-2

## Cash Awards/Scholarships - 2011-2012

1	<b>Msgr. Joseph Kureethadam Gold Medal</b> Endowment by Sri. A.M.Mathai, Prof. of Mc. Gill University, Canda.	<b><u>II M.Sc. Statistics 2010-2011</u></b> 1. Anju Joy, II M.Sc. No.31
2	<b>Rev.Fr. Joseph Kurias Endowment:</b> By Prof. Joseph Muthirakala	<b><u>II DC – II Language – Hindi</u></b> 1. Emmanuel Tom, II DC Phys. 76
3	<b>Bishop Vayalil Jubilee Memorial Endowment:</b> By the Staff, St.Thomas College, Pala	<b>1. III DC Physical Science 2010- 2011</b> Vishnu Pran, No. 96 (Physics) <b>2. III DC Biological Science 2010- 2011</b> Anto Mathew, No.186 (Botany) <b>3. III DC Optional Subjects: 2010- 2011</b> Jibin Baby, No.317 (Economics)
<b>P.G. 2010- 2011</b>		
	<b>1. Arts</b>	1. Karthika S. Nair, II M.A. No.238
	<b>2. Science:</b>	1. Anju Joy, II M.Sc. No.31
4	<b>Prof. P.M. Chacko Endowment:</b> By the Staff & Former Students of Botany Department.	1. Tinu Thomas , II M.Sc. No.112 2. Jubin V. Karottukunnel, I DC , 190
5	<b>Rev.Fr. O.P. Eanas Endowment:</b> By the Department of Economics	1. Jibin Baby, III DC No.317/10-11



6	<b>Prof. A.V. Varkey Endowment:</b>  By the Staff & Former students of Physics Department  By Prof. Joseph M.J. Moolayil	1. Eiby Maria Thomas, I M.Sc. No.57/2010-11  2. Emmanuel Tom, II DC. No.76/10-11
7	<b>Prof. K.Ramakrishna Pillai Endowment:</b>  By the Staff & Former students of Statistics Dept.	1. Viswakala K.V., I M.Sc., No.44/10-11 2. Jiju Mamman, II DC No.16/10-11
8	<b>Fr. Joseph Kinattukara Memorial Endowment:</b>  By the Department of Politics	1. Ajmal S. Rasaan, III DC No.374/10-11
9	<b>Prof. Philip John Endowment:</b>  By the Staff & Former students of Commerce Department.	1. Liza Alex, II M.Com. No.311/10-11 2. George J. Kakkuzhiyil, III B.Com. No.618/10-11  3. Mathews K. Augustine, II B.Com. No.639/10-11
10	<b>Prof. Abraham John Nidhiri Endowment:</b>  By the Family Members:	1. Midhila Baby, I M.Sc. No.110/10-11
11	<b>Prof. V.J. Mathai Endowment:</b>  By the Department of Economics	1. Liz Emmanuel, I MA No.133/10-11
12	<b>Prof. K.A. Jose Endowment:</b>  By the Family Members	<b><u>I M.Sc. Maths., I Semester 2010-2011</u></b> 1. Akhila Vijayan, I M.Sc. No.1

13	<b>Rev.Dr. Kuriakose Kottarathumkuzhy Memorial Medals:</b>	1. Ajomy Maria Joseph, I M.A. No.191 2. Geethu Jose, II M.A. No.199/10-11
14	<b>Dr. Cyriac Thomas Endowment</b>  By the Dept.of Politics	1. Ajmal S. Rasaq, III DC No.374/2010-11
15	<b>Faculty of Religion</b>  [Catholic Students Cash Prize]	<b><u>I DC 2011-2012</u></b>  1. Lixin Joseph, Maths. No.17 2. Jery Prakash , Bot. No.194 3. Boban Joseph, Engl. No.461  <b><u>II DC 2011-2012</u></b>  1. Aby John, Engl. No.453 2. Manuel M. Mathew, Econ. No.323 3. Rixmon V. Kurian, Maths. No.22
16	<b>Principal P.M. Chacko Endowment:</b>  By P.T.A., St.Thomas College, Palai  (I B.Sc. all Subjects)	I B.Sc. All Subjects – Uty.Exam. 2010-11  1. Navaneeth Krishnan, No.20 (Maths.) 2. George Mathew, No.75 (Phys.)  3. Jayakrishnan K.R. No.131 (Chem.)  4. Jubin V. Karottukunnel, No.194 (Bot.)  5. Sachin Thankachan, No.249 (Zoology)
17	<b>Rev.Dr. George Ampazhathumkal Scholarship:</b>  (for Dalit Christians 2011-12)	<b><u>III B.Com</u></b>  1. Jerin Joseph, No.620  <b><u>II B.Com.</u></b>  1. Vipin P., No.660  <b><u>II M.Com.</u></b>  1. Manu George, No.310 2. Majeesh Mohan, No.309

18	<b>Sri. V.T. Joseph Memorial Cash Award:</b> By the Family Members	<b><u>II B.Sc. Botany 2010-2011</u></b> 1. Ebin P.J. No. 192
19	<b>Prof. V.V. Mani Vettoor Memorial Scholarship</b>  <b>Department of Commerce</b>	<b>The Best students of I,II and III B.Com. 2011-12</b> <b><u>III B.Com.</u></b> 1. Clint Samuel, No. 614  <b><u>II B.Com.</u></b> 1. Adithya Nair E.S., No.604  <b><u>I B.Com.</u></b> 1. Suresh T.S. No. 657
20	<b>Dr. P.C. Thomas Endowment</b>	<b>I M.A. Hindi 2010-2011</b> 1. Aswathy V. Nair, No.233 2. Nikith Elizabeth Thomas, No.238
<b>Moral Classes 2011-2012</b>		
	<b>I DC</b>	<b>II DC</b>
	1. Sachumol Saji, Comm.Engl. No.694	1. Jayakrishnan K.R., Chem. No.131
	2. Subin T.T., Commerce, No.655	2. Sreekumar Thankachan, Econs. No.341
	3. Romy M. Raju, Phys. No.97	3. Nisamudheen P.M., Chem. No.140

**Appendix-3**

The following students are selected for the 'PROFICIENCY PRIZE' instituted by P.T.A. for the year 2011-2012

Prize distributed at 2.30 p.m. on Friday 02-03-2012

Class	Subject	Cl. No.	Name of Student
<b>II P.G.</b>	Maths.	7	Neethumol Mathew
	Stats.	32	Anu Priya
	Phys.	57	Eiby Maria Thomas
	Chem.	84	Rakesh .R
	Bot.	110	Midhila Baby
	Econs.	125	Dhanyamol T.
	Polts.	156	Devi K.S
	Engl.	191	Ajomy Maria Jose
	Hindi	233	Aswathy V. Nair
	Malay.	287	Theres Sebastian
	M.Com.	318	Tresa Alphy Mathews
	Bio-Tech.	321	Arun Antony
	Micro Biology	359	Rugma V.M.
	Bio-Stats.	382	Ganesh .L
<b>I P.G.</b>	Maths.	8	Bincy Maria Thomas
	Stats.	39	Renu S. Nair

	Phys.	57	Jeslin Mattam
	Chem.	85	Leena Francis
	Bot.	111	Sreeja P.S.
	Econ.	127	Beenamol K.J
	Polts.	151	Ajas V.M
	Engl.	200	Indu Peter
	Hindi	245	Rejitha M.S.
	Mal.	276	Mini Maria Thomas
	M.Com.	305	Annu Dominic
	Bio-Tech.	326	Sibi S. Raj
	Micro Bio.	351	Anisha Kurup M.A
	Bio-Stat.	383	AmbilyNadarajan
<b>III DC</b>	Maths.	14	Jayasankar .S
	Phys.	70	Argish Venugopal
	Chem.	161	Shibin Joseph
	Bot.	192	Ebin P.J
	Zool.	251	Midhun Sebastian Jose
	Econs.	311	Anand Jayakrishnan
	Polts.	420	Siju Mathew
	Engl.	458	Athul K. Augustine

	Mal.	543	Prince T. Jose
	B.Com.	628	Jorvin Kurian
	V. Hist.	741	Jino Thomas
	Comm.Engl.	688	Romy Thomas
<b>II DC</b>	Maths	20	Navaneeth Krishnan
	Phys.	90	Sebastian Thomas
	Chem.	150	Shyam S.
	Bot.	190	Jubin V. Karottukunnel
	Zool.	249	Sachin Thankachan
	Econ.	323	Manuel M. Mathew
	Polts.	387	Jayakrishanan .R
	Engl.	463	Jobin Thomas
	Malay.	543	Tibin C.K
	B.Com.	634	Lino George
	V. Hist.	743	Jubin Thomas
	Comm.Eng.	682	Chinnu Ani Tom
<b>IDC</b>	Maths.	4	Ajith Antony
	Phys.	95	Nithin Joy
	Chem.	131	Deepak Joshy
	Bot.	194	Jerry Prakash

	Zool.	266	Vivek Jayan
	Econs.	321	Aravind K.
	Polts.	386	Arun S. Kumar
	Engl.	472	Joseph Cyriac
	Malay.	556	Sarath Raj
	B.Com.	657	Suresh T.S
	V. History	738	Kiran K.S
	Comm.Engl.	679	Ann Maria Jose
<b>Best Cadets 2011-12</b>			
I DC	<b>Army</b>	74	Arun M.
	-do-	389	Christymon George
I DC	<b>Naval</b>	8	Arun Regi
	-do-	151	Vishnu Raj
<b>Sports</b>			
<b>Jose Kokkad Memorial Endowment by P.T.A. S.T.C. Pala. – 2011-2012</b>			
	III DC	252	Nadirsha .N
	II P.G	314	Robin Jose
<b>Rev.Fr. O.P. Eanas Endowment by P.T.A., St.Thomas College, Pala.</b>			
1	III B.A. 2010-11	317	Jibin Baby
2	II M.A. 2010-11	141	Sandyamol V.S

<b>List of Rank Holders - 2011</b>				
1	II MA Polts.	158	Bindu Jose	I Rank
2	II MA Polts.	168	Noble Mathew	II Rank
3	II M.A. Engl.	199	Geethu Jose	I Rank
4	II M.A. Hindi	238	Karthika S. Nair	I Rank
5	II M.A. Hindi	233	Athira Gopal	II Rank
6	II M.A. Malay.	278	Remya Jose	III Rank
7	II M.Sc. Chem.	86	Princy Philip	III Rank
8	II M.Sc. Bot.	112	Tinu Thomas	I Rank
9	II MSc. Biostat.	396	Rawther Shamna Safar	I Rank
10	II M.Sc. Biostat.	389	Linumol K.I	II Rank
11	II M.Sc. Biostat	385	Ann Mary Sebastian	III Rank
12	III B.A. Polts.	374	Ajmal S. Razaq	I Rank
13	III BA Comm.Engl.	693	Shilpa Joy	I Rank
14	-do-	672	Binny Treesa Varghese	II Rank



**Appendix-4****THE KERALA STATE HIGHER EDUCATION COUNCIL****Higher Education Scholarship – First Year (2011-12)**

	<b>Name</b>	<b>College</b>	<b>Cheque</b>	<b>Date</b>	<b>Amount</b>
1.	Vineeth S.	St. Thomas College, Pala, Kottayam	117675	18-10-12	12,000
2.	Romy M. Raju	St. Thomas College, Pala, Kottayam	117755	19-10-12	12,000
3.	Abhilash T A	St. Thomas College, Pala, Kottayam	117796	19-10-12	12,000
4.	Arun Remesh	St. Thomas College, Pala, Kottayam	118136	20-10-12	12,000
5.	Arjun Babu	St. Thomas College, Pala, Kottayam	118146	20-10-12	12,000
6.	Renjith Mohan	St. Thomas College, Pala, Kottayam	118152	20-10-12	10,000
7.	Suresh. T. S	St. Thomas College, Pala, Kottayam	118248	22-10-12	12,000

## Appendix-5 DCE Scholarship for Blind

Awarded and Registered Students (2010-11Fresh and Renewal)list published      Help Desk Numbers: 9446096580; 0471-3;

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**Registered Students' Status**

Scholarship Status:

Year:

Scholarship Type:

State:

District:

Institution Type:

Name of the College/institution:

Sl.No.	Name	Registered Time	Verified	Approved	Application Status
1	MAHESH KUMAR. G	15/12/2011 01:03:37 PM	Yes	Yes	Approved

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Appendix-6

DCE Suvama Jubilee Merit Scholarship

Awarded and Registered Students (2010-11(Fresh and Renewal))list published Help Desk Numbers: 9446096580; 0471-3270202; 0471-2326580

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**Registered Students' Status**

Scholarship Status:

Year:

Scholarship Type:

State:

District:

Institution Type:

Name of the College/Institution:

  

Sl.No.	Name	Registered Time	Verified	Approved	Application Status	Scholarship Status
1	ABHILITH CHANDRAN	28/11/2011 01:39:15 PM	Yes	Yes	Approved	Not Selected
2	AJAS V.M	27/11/2011 10:22:59 AM	Yes	Yes	Approved	Selected
3	ARJUN RAJ	03/12/2011 06:19:56 PM	Yes	Yes	Approved	Selected
4	ASWANWOL P S	15/11/2011 05:34:16 PM	Yes	Yes	Approved	Selected
5	BIBIN ABRAHAM	25/11/2011 12:44:41 PM	Yes	Yes	Approved	Not Selected
6	MAHESH KUMAR. G	01/12/2011 01:28:25 PM	Yes	No	Cancelled	Cancelled
7	MANOJ BABU G	01/12/2011 04:08:39 PM	Yes	Yes	Approved	Not Selected
8	NITHYANGL E D	25/11/2011 10:41:49 AM	Yes	Yes	Approved	Not Selected
9	OMANAKUTTAN C G	01/12/2011 01:28:23 PM	Yes	Yes	Approved	Selected
10	RAMESH P.R	01/12/2011 10:27:19 AM	Yes	Yes	Approved	Not Selected
11	RENJITH P.R	01/12/2011 10:33:33 AM	Yes	Yes	Approved	Not Selected
12	SARATH T S	23/11/2011 12:50:13 PM	Yes	Yes	Approved	Selected
13	SIBIN P B	02/12/2011 03:05:25 PM	Yes	Yes	Approved	Not Selected
14	SURESH P S	28/11/2011 03:29:37 PM	Yes	Yes	Approved	Selected
15	UNNEKANNAN KV	03/12/2011 09:34:02 AM	Yes	Yes	Approved	Not Selected

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### Appendix-7

### DCE State Merit Scholarship

Awarded and Registered Students (2010-11 Fresh and Renewal) list published Help Desk Numbers: 9446096580; 0471-3270302; 0471-2326580

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**Registered Students' Status**

Scholarship Status:

Year:

Scholarship Type:

State:

District:

Institution Type:

Name of the College/Institution:

  

Sl.No.	Name	Registered Time	Verified	Approved	Application Status	Scholarship Status
1	AJAS V M	10/12/2011 07:37:43 PM	No	No	Not verified	Not Selected
2	AKHIL SATHYAN	06/12/2011 03:38:59 PM	No	No	Not verified	Not Selected
3	ANURUDHAN S K	14/12/2011 09:40:28 AM	Yes	Yes	Approved	Not Selected
4	ASWATHI KRISHNAN	10/12/2011 11:35:15 AM	Yes	Yes	Approved	Selected
5	BAJU JOSE	13/12/2011 11:37:10 AM	Yes	Yes	Approved	Not Selected
6	GEORGE MATHEW	07/12/2011 09:05:57 AM	No	No	Not verified	Not Selected
7	MAHESH KUMAR. G	15/12/2011 01:05:30 PM	Yes	No	Cancelled	Cancelled
8	RESHMI P S	12/12/2011 06:53:15 PM	Yes	Yes	Approved	Selected
9	RIJO JOSEPH	09/12/2011 12:34:24 PM	Yes	Yes	Approved	Not Selected
10	ROBIN THOMAS	09/12/2011 12:29:52 PM	No	No	Not verified	Not Selected
11	SARATH T S	13/12/2011 11:55:08 AM	Yes	Yes	Approved	Not Selected
12	SEBIN DOMINIC	14/12/2011 11:03:13 AM	No	No	Not verified	Not Selected
13	SHYMA MATHEW	10/12/2011 11:18:04 AM	Yes	Yes	Approved	Not Selected
14	SREEJA P S	14/12/2011 09:26:23 PM	No	No	Not verified	Not Selected

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## Appendix-8 DCE Central Sector Scholarship

Awarded and Registered Students (2010-11/Fresh and Renewal)list published Help Desk Numbers: 9446096580; 0471-3270202; 0471-2326580

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### Registered Students' Status

Scholarship Status:

Year:

Scholarship Type:

State:

District:

Institution Type:

Name of the College/Institution:

Sl.No.	Name	Registered Time	Verified	Approved	Application Status	Scholarship Status
1	AJEESH FRANCIS	24/11/2011 09:32:01 PM	Yes	Yes	Approved	Not Selected
2	ARAVIND K MURALEEDHARAN	27/10/2011 06:01:25 PM	Yes	Yes	Approved	Not Selected
3	ARAVIND P BABU	24/11/2011 01:01:52 PM	Yes	Yes	Approved	Not Selected
4	ARJUN BABU	24/11/2011 01:51:07 PM	Yes	No	Cancelled	Cancelled
5	DEEPAK JOSHY	02/11/2011 06:25:41 PM	Yes	Yes	Approved	Selected
6	JINS JOSEPH	01/11/2011 11:21:23 AM	Yes	Yes	Approved	Selected
7	JITHUKRISHNAN P R	18/11/2011 04:11:48 PM	Yes	Yes	Approved	Not Selected
8	JOBY SEBASTIAN	21/11/2011 04:44:27 PM	Yes	Yes	Approved	Not Selected
9	JOJO TOM	19/11/2011 01:29:31 PM	No	No	Not verified	Not Selected
10	JOSTINE P. JOBY	18/11/2011 04:15:56 PM	Yes	Yes	Approved	Not Selected
11	ROBIN THOMAS	07/11/2011 12:11:03 PM	Yes	Yes	Approved	Not Selected

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### Appendix-9

### DCE Scholarship Post Matric Scholarship

Awarded and Registered Students (2010-11Fresh and Renewal)list published Help Desk Numbers: 9446096580; 0471-3270202; 0471-3326580

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**Registered Students' Status**

Scholarship Status	Fresh
Year	2011-12
Scholarship Type	Post Matric Scholarship
State	Kerala
District	Kottayam
Institution Type	GOVT/AIDED COLLEGES
Name of the College/Institution	ST.THOMAS COLLEGE, PALA, KOTTAYAM

  

Sl.No.	Name	Registered Time	Verified	Approved	Application Status	Scholarship Status
1	ABHILASH TA	10/08/2011 01:56:36 PM	Yes	No	Cancelled	Cancelled
2	ABIN BABY	19/08/2011 12:19:09 PM	Yes	Yes	Approved	Selected
3	ABY ABRAHAM	16/08/2011 01:05:14 PM	Yes	Yes	Approved	Selected
4	ABY RAJ	16/08/2011 07:20:16 PM	Yes	Yes	Approved	Selected
5	ABY V JOSEPH	18/08/2011 05:33:11 PM	Yes	Yes	Approved	Selected
6	ABY V JOSEPH	18/08/2011 11:23:27 AM	Yes	Yes	Approved	Selected
7	AJAS V M	27/08/2011 06:46:23 PM	Yes	No	Cancelled	Cancelled
8	AJEES H RAJU	26/08/2011 12:57:03 AM	No	No	Not verified	Not Selected
9	ALBIN AUGUSTINE	18/08/2011 06:45:10 PM	Yes	Yes	Approved	Selected
10	ALBIN MATHEW	09/08/2011 03:48:53 PM	Yes	Yes	Approved	Selected
11	ALBY GEORGE	29/07/2011 03:04:44 ---	Yes	Yes	Approved	Selected

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## Appendix-10 DCE Muslim Girls Scholarship

Awarded and Registered Students (2010-11) Fresh and Renewal/1st published      Help Desk Numbers: 9446096580; 0471-3270202; 0471-2326580

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### Registered Students' Status

Scholarship Status	Fresh ▾
Year	2011-12 ▾
Scholarship Type	Muslim Girls Scholarship (Palol Committee Scholarship) ▾
State	Kerala ▾
District	Kottayam ▾
Institution Type	GOVT/AIDED COLLEGES ▾
Name of the College/Institution	ST. THOMAS COLLEGE, PALA, KOTTAYAM ▾

Sl.No.	Name	Registered Time	Verified	Approved	Application Status	Scholarship Status
1	AWEENA BASHEER	15/12/2011 03:57:26 PM	Yes	Yes	Approved	Selected

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