

**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: 2010-2011

Part A

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

Statistics

1. Duty allocation/work allotment among faculty members.
2. Model viva for IV Semester M.Sc. students (July)
3. Preparation of internal academic audit report and other files. (July)
4. Alumni Interactive Program (August)
5. Statistics Merit Day (September)
6. Admissions – July & August
7. Organizing seminars, workshops and invited talks by eminent academicians
8. Centralized mid-term test paper by the department in July and November.
9. International Conference - December/January
10. Professor K. Ramakrishna Pillai Memorial Quiz - October
 - Training Program in SAS - February
 - Statistical Workshop - March
11. Research Extension and Consultancy Cell
12. Workshop on Applications of Statistics in Industry and Ecology
13. Parents' meet - Twice in an academic year (class teacher- in charge)
 - I M.Sc. - October
 - II. M.Sc. - November
14. Result analysis (January)
15. Academic audit – March
16. Induction Programme - Training in SAS (February)
17. Synopsis presentation of IV semester M.Sc. students (March)
18. Remedial classes, support to weak students and motivation to outstanding ones
identifying weak students, promoting enterprising ones etc
19. Study tour for II M. Sc.

Outcome Achieved by the End of the Year

The academic year 2010-2011 was a fruitful period for the Dept. of Statistics. Our student Ms. Shamna Safar secured II Prize in the on-the spot essay competition conducted by the Ministry of Statistics, New Delhi. Mr. Abin John secured II Rank in M.G University M.Sc Statistics Final year Examination May 2010. Ms. Anju C.George, Mr. Libesh KP and Ms. Renjitha Bhaskaran secured I, II and IIIrd University Ranks in the Final Year M.Sc Biostatistics Examination held in May 2010.

We conducted an International Seminar in which many internationally reputed scientists participated. Members of the faculty gave invited talks and presentations in various national seminars in different colleges/universities. Our faculty members and research students published 27 research articles in internationally reputed journals. The following is the list of publications from the department during the academic year 2010-11.

1. **K.K. Jose** and Lishamol Tomy (2010). A Unified Frame Work for Gaussian and Non Gaussian AR(1) Modelling, *Journal of Probability and Statistical Sciences* .8(1),109-117.
2. **K.K. Jose**, Shanoja R.Naik, M.I.Ristic (2010). Marshall Olkin q-Weibull distribution and max-min Processes, *Statistical Papers* 51(4), 837–851.
3. **K.K. Jose**, Uma P., V. Seethalekshmy, H.J. Haubold (2010). Generalized Mittag-Leffler Distributions and Processes for Applications in Astrophysics and Time Series Modelling, DOI 10.1007/978-3-642-03325-4-9, Springer Verlag, 79-92.
4. 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.
5. Bindu Punathumparambath (2011). A new family of skewed slash distributions generated by the normal kernel, *STATISTICA*, anno LXXI, n. 3 , 2011 (to appear)
6. **K.K. Jose**, Ancy Joseph, Miroslav Ristic (2011). Bivariate Marshall-Olkin Weibull Minification Processes, *Statistical Papers*,52,789-798.
7. **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.

8. **K.K.Jose**, Manu Mariam Thomas(2011)Generalized Laplacian Distributions and Autoregressive Processes, *Communications in Statistics-Theory and Methods*,40,23,4263-4277.
9. **K.K.Jose and E.Krishna** (2011)Applications of Marshall-Olkin Frechet Distributions, *Communications in Statistics- Computation and Simulation* (accepted)
10. **K.K.Jose** and E. Krishna (2011)Marshall-Olkin Assymmetric Laplace Distribution and Processes, *STATISTICA, anno LXXI,n.4,453-467*.
11. **K.K.Jose** and Bindu Abraham (2011) Count Models with Mittag-Leffler Waiting Times, *Statistica, anno LXXI,n.4,501-514*.
12. K.K. Jose and Lishamol Tomy (2011). Geometric Normal Laplace distributions and processes, *Journal of Applied Statistical Sciences*,18,3,
13. **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
14. 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.
15. **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.
16. **K.K.Jose** and E.Krishna (2011) Marshall-Olkin Frechet Distributions, *Communications in Statistics-Theory and Methods* (accepted).
17. 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.
18. Dais George and **Sebastian George** (2011). Marshall-Olkin Esscher Transformed Laplace Distributions and Its Applications, *Brazilian Journal of Probability and Statistics* (accepted).
19. 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.

20. Dais George and **Sebastian George** (2011). Esscher Transformed Laplace Distribution and Its Applications. *Journal of Probability and Statistical Science* (accepted).
21. Bindu P., **Sebastian George**. and Sangita Kulathinal (2011). Asymmetric type II compound Laplace Distribution and its Application to Microarray Gene Expression, *Computational Statistics and Data Analysis* (accepted).
22. Bindu Punathumparambath (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).
23. **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.
24. **K.K.Jose** and E.Krishna (2011) Marshall-Olkin Extended Uniform Distribution, *Probstat Forum e-Journal*,4,78-88.
25. **K.K.Jose** (2011) Science, Mathematics and Interdisciplinary Research, *Science and Society Journal*,10,12-22.
26. **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.
27. Shaijin Stephen, Renu David (2011). Pareubal Atopy and Exposure to Pets on Asthma: A Hospital Based Case- Control study, *International Journal of Preventive Medicine* **12**(3), 151-157.

Mathematics

1. Class room teaching for UG students should be in such a way 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 with a secure foundation in the relevant subjects to complement the core for their future courses.
3. By the end of the fourth semester, the students should have been introduced to powerful tools for tackling a wide range of topics in calculus, theory of equations and numerical

methods. They should have been familiar with additional relevant mathematical techniques and other relevant subjects to complement the core.

4. By the end of sixth semester, the students should have covered a range of topics in almost all areas of mathematics including graph theory, programming in C, and had experience of independent work such as project, seminar etc.
5. 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 by students.

A. Year Plan

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

B. General Activities

1. Special orientations for UGC-CSIR- N.E.T. and other competitive examinations
2. Recognition/awards to alumni who make achievements in their field of work.
3. Scholarships to deserving students on merit-cum-means basis.
4. New infrastructure in M.Sc. classes.
5. Organizing Mathematics Day and Merit Evening.
6. More seminars and invited talks to be arranged.
7. Involvement of students in social activities.
8. Organization of leadership training programmes/camps.
9. Conduct of problem solving contests for bright students and remedial classes for weak students.
10. Counseling, Career Guidance and Placement Cell to be strengthened.
11. Publication of a journal of international standard.
12. Poor students' aid fund will be made operational.

13. Alumni activities will be strengthened further.

14. Strengthening of the activities of Mathematics Study Group

Outcome Achieved by the End of the Year

1. Remedial classes of 36 hours were conducted in 2010-2011. The classes were arranged on Saturdays and from 9 am. to 10 am. on working days. Our faculty members Prof. J. Chandramohanam, Dr. V.K. Jose, Prof. Thankachan Augustine, Prof. Tommy Thomas and Ms. Elizabeth Augustine engaged the classes.
2. Problem solving contests and quiz competitions were held for P.G and U.G students.
3. Seminars and invited talks were arranged.
4. Two of our students qualified U G C – C S I R- N.E.T.

DETAILS OF CLASSES FOR U.G.C- C.S.I.R- N.E.T COACHING CLASSES (2010-2011)

Date	10.00 am-11.30 am	11.30-1.00 pm	2.00 pm-4.00 pm
07-08-10	Tommy Thomas	Tommy Thomas	Tommy Thomas
14-08-10	Tommy Thomas	Tommy Thomas	Raj Mathew
21-08-10	Krishnakumar	Krishnakumar	Krishnakumar
01-09-10	Tommy Thomas	Tommy Thomas	Tommy Thomas
10-09-10	Mathew Thomas	Mathew Thomas	Mathew Thomas
11-09-10	Joy Jacob	Joy Jacob	Joy Jacob
18-09-10	Prakashkumar B	Prakashkumar B	Prakashkumar B
25-09-10	Tommy Thomas	Tommy Thomas	Tommy Thomas
04-12-10	Antony Simon	Tommy Thomas	Bince P Mani
08-12-10	Raj Mathew	Raj Mathew	Bince P Mani
11-12-10	Libin Kuriakose	Libin Kuriakose	Bince P Mani
16-12-10	Raj Mathew	Antony Simon	Bince P Mani

DETAILS OF RESOURCE PERSONS (CSIR-NET COACHING)

Name	Address	No. of Hrs.
Dr. Krishnakumar	Dept. of Geology, Govt. College, Nattakam.	5
Dr. Prakashkumar	Dept. of Biochemistry, M. G University, Kottayam.	5

Dr. Raj Mathew	Dept. of Mathematics, St. Thomas College Palai.	6.5
Mr. Tommy Thomas	Dept. of Mathematics, St. Thomas College Palai.	19.5
Dr. Joy Jacob	Dept. of Statistics, St. Thomas College Palai.	5
Dr. Mathew Thomas	Dept. of Zoology, St. Thomas College Palai.	5
Mr. Libin Kuriakose	Dept. of Physics, St. Thomas College Palai.	3
Mr. Antony Simon	Dept. of Physics, St. Thomas College Palai.	3
Mr. Bince P. Mani	Dept. of Botany, St. Thomas College Palai.	8

5. Mr. Mathews M. George, B.V.M. College, Thuruthikad, Kottayam carried out his research under the guidance of Dr. M. S. Samuel and Ph. D. was awarded by Mahatma Gandhi University, Kottayam.

6. Workshop on Career guidance

A one day workshop was conducted on 15 January 2011 to introduce new trends in employment and placement. Dr. P.A. Jose, Dept. of Politics, Newman College, Thodupuzha was the chief resource person. Students of final year B. Sc. and M.Sc. classes attended the workshop.

7. Extracurricular activities

- a. Onam Celebration: The mathematics students celebrated the Onam festival on 20 – 08 -2010. 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.

8. Invited Talks

- a. Prof. Thomas Zaslavsky, Dept. of Mathematical Sciences, State University of New York conducted a talk on 18, August 2010.
- b. Dr. P.K. Banarji, Professor, Jai Narain Vyas University, Jodhpur conducted a talk on 3-12-2010

Physics

1. Decided to strengthen career guidance cell of the department and Dr. Vincent Mathew is appointed as the coordinator.
2. Decided to actively take part in B.Sc. syllabus revision initiatives of M.G University. Dr. Ison V Vanchipurackal is asked to 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 departmental association activities.
5. Decided to continue “Sharpen Your Physics” program and a new program named “Problem Solving Drive” is planned to implement for the B.Sc. students in the department, to expand the knowledge horizon and problem solving ability of the students.

Outcome Achieved by the End of the Year

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.** Many of our B Sc students are getting admissions for M.Sc/M.Tech/Ph.D. in IITs, central and state universities, etc. through entrance examinations. Most of our recent M Sc alumni are either employed or doing research in reputed institutions and universities. It is very difficult now-a-days to find an M.Sc. graduate from our department without any occupation.
2. The department received financial help for seven projects from UGC (six minor, and one major) and for two major projects from DST.
3. **The following research papers were published by our faculty and research scholars**
 1. Santhosh Kumar R., S. Chandralingam, Sijosh George, Sreekanth G., Michael Augustine, and Ginson P. Joseph, The influence of Cd²⁺ and Mg²⁺ on the electrical and thermal properties of manganese mercury thiocyanate crystals and its Lewis base adducts-future materials for photonics device fabrication P hys. Status Solidi C 8, No. 9, 2735–2738 (2011)
 2. Santhoshkumar R , Ignatius Korah, S. Chandralingam, Binay kumar, Sijosh George , Ginson P. Joseph - Piezoelectric and mechanical properties of Non-linear Optical Manganese Mercury thiocyanate (MMTC) AIP Conf. Proc. 1349, 1289-1290 (2011)
 3. Sreekanth G , Michael Augustine, Santhosh kumar, S. Chandralingam, Binay kumar, Ginson P. Joseph - Studies on the electrical properties of non-linear optical

- allyl thiourea cadmium chloride (ATCB) AIP Conf. Proc. 1349, 1055-1056 (2011)
4. 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
 5. Santhosh Kumar R , S. Chandralingam, Anju K. Augustine, Sreekanth G, Ginson P. Joseph, Synthesis, optical and dielectric properties of highly efficient organobimetallic thiocyanate complex crystals (Accepted in IOP Journal)
 6. Sreekanth G , Prince Thomas, S. Chandralingam, michael Augustine, Sijosh George, Ginson P. Joseph - Investigations on the physico-chemical properties of allylthiourea complex NLO crystals ((Accepted in IOP Journal)
 7. George James T, Saji Joseph, and Vincent Mathew (2010) - Effect of counter-doping thickness on double-gate MOSFET characteristics Journal of Semiconductor Technology and Science, Vol.10, No.2
 8. Jolly Andrews A., Vincent Mathew (2011) - Numerical study of vortex effects in superconducting microstrip lines, Physica C 471: 338–343
 9. Anju Babu, C Bhagyaraj, Gishamol Mathew and Vincent Mathew (2011) - Dispersion of plasmon polaritons guided by a metal film of finite width deposited on a uniaxial substrate; J. Phys. D: Appl. Phys. 44 335301
 10. Ison VV “Hole transfer from CdTe quantum dots” in the National Seminar on “Recent trends in nanoscience and technology” held from 30-9-2011 to 1-10-2011 at St. Joseph’s College for Woman, Alappuzha.
 11. Ison VV “On confinement in quantum dots” in the National Seminar on “Nanotechnology and its applications” held from 1-2-2011 to 3-2-2011.
 12. Ison VV “Role of microstructure in the energy relaxation processes of swift heavy ions in thin film semiconductors” in the International Conference on “Swift Heavy Ions In Materials Engineering and Characterization (SHIMEC 2010)” at Inter University Accelerator Centre (IUAC) New Delhi held from 6-10-2010 to 9-10-2010.
 13. Kuldeep Kumar · P. Arun · Chhaya Ravi Kant · N.C. Mehra · Vincent Mathew (2010) - The effect of cesium metal clusters on the optical properties of cesium iodide thin films; Appl Phys A 99: 305–310

14. George James T, Saji Joseph and Vincent Mathew - (2010), The influence of metal gate work function on short channel effects in atomic-layer doped DG MOSFETs, *Journal of Electron Devices*, Vol. 8, pp. 310-319
15. George James, Saji Joseph and Vincent Mathew, "Scaling effects on subthreshold leakage current in fully depleted DG-mosfets", Accepted in *Journal of Active and Passive Electronic Devices*, (2010).
16. George James, Saji Joseph and Vincent Mathew, "Simulation of high-k dielectrics in counter doped double gate metal oxide semiconductor field effect transistors", *Journal of Nanoelectronics and Optoelectronics*, Vol. 5, 1-7, (2010).
17. George James, Saji Joseph and Vincent Mathew, "Effect of counter doping thickness on double gate MOSFET characteristics", Accepted in *Journal of Semiconductor Technology and Science*, (2010).
18. K. Kumar, P. Arun, C.R.Kant, N.C. Mehra and Vincent Mathew, "The effect of cesium metal clusters on the optical properties of cesium iodide thin films", *Applied Physics A*, 99, p305 (2010).
19. George James, Saji Joseph and Vincent Mathew, "Simulation of short channel effects in double gate mosfets for nanoscale design", (ICON'2010, Coimbatore, India).
20. Gishamol Mathew, Anju Babu, Jesly Jacob and Vincent Mathew, "Simulation of subwavelength confinement of optical energy by surface plasmon polaritons in metal nanostrip waveguides", (ICON'2010, Coimbatore, India).
21. Seena Mathew, Bhagyaraj C and Vincent Mathew, "Propagation characteristics of superconductor/ferroelectric multilayer waveguide", (National Conference NCSCV'10, Coimbatore, India).
22. Jolly Andrews and Vincent Mathew, "Numerical study of vortex effects in superconducting microstrip lines", (National Conference NCSCV'10, Coimbatore, India).

Chemistry

1. Decided to give special care to improve the curricular activities of the undergraduate students
2. Special care and individual attention to weak students.
3. Strengthening consultancy activities like water quality monitoring, soil testing etc.

4. Decided to strengthen alumni activities
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. Decided to encourage students to participate in intercollegiate, intervarsity and other competitions.
9. More seminars and invited talks to be arranged.
10. More association activities and co-curricular activities.
11. More curricular and co curricular activities for undergraduate and postgraduate students will be initiated.

Outcome Achieved by the End of the Year

The academic year 2010-2011 was fruitful with a lot of academic achievements. In the M.Sc.-Chemistry examination of the University the second rank was secured by Sr. Princy Philip F.C.C. Three of our M.Sc. students qualified the UGC-CSIR test. 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 in the UG and PG levels. Teachers are taking leading role in all the processes related to curriculum update at the University as well as at college level. Dr. Sunny Kuriakose was nominated by the Vice Chancellor of Mahatma Gandhi University as the member of the PG Board of Studies in Chemistry.

Biotechnology

1. Decided to strengthen the activities of the Project Monitoring Committee.
2. Project presentation seminars for PG students
3. Annual assessment of teacher performance
4. To strengthen the animal cell culture laboratory
5. Provide more facilities in the plant molecular biology laboratory
6. Offer a certificate course in Molecular Biology and Plant Tissue Culture
7. Train students in bioinformatics
8. Collaborate with the department of Statistics and Biostatistics

Botany

1. Collect detailed data about the profile of students in the department
2. Conduct annual result analysis
3. Provide special orientation on UGC-CSIR tests to students
4. Encourage tutorial system in the department
5. Prepare a schedule of teachers available in the dept for counseling and guidance and publish the same in the notice board
6. Every batch of students will have a tutor.
7. Conduct PTA meeting once in every semester
8. Conduct study tours for students. Tutors will accompany them.
9. Provide the service of a counselor at the dept level
10. Service of an academic counselor will be made available for open course.
11. Conduct seminars and invited talks
12. Observe world traditional people day
13. Promote the activities of Botany Association
14. Promote publications by faculty
15. Prepare academic CDs for use in the dept.
16. Undertake collaborative researches

Outcome Achieved by the End of the Year

Results 2010-11

	Total Admitted	Total Registered	Total Appeared	I Class	II Class	III Class	Total Passed	%
MSc	12	12	12	12			12	100
BSc	15	15	13	6	4		10	85.3

UGC-CSIR Tests 2010-11

Two students qualified UGC-CSIR NET

- a. Biju George
- b. Sijo Mathew

Zoology

1. Conduct an exhibition in connection with 'World Biodiversity Year Celebrations'
2. Conduct a study tour to Salim Ali Bird Sanctuary

3. Strengthen the tutorial system
4. Provide remedial coaching to students
5. Up-keeping of the laboratory
6. Work allotment to teachers
7. Proper conduct of internal examinations and award of internal grades
8. Conduct an orientation programme for IDC students on CBCSS.
9. Conduct study tours

Outcome Achieved by the End of the Year

The Dept. of Zoology and the Zoology Association of St. Thomas College, Palai have organised an exhibition 'ZOION 2010' in connection with the 'World Biodiversity Year Celebrations' on 28th and 29th of September 2010. The exhibition included display of rare specimens, bones of different animals, shells, embryological specimens, charts, physiology experiments etc. Almost all the students of the college and +2 students from nearby schools visited the exhibition on these days.

English

1. Individual attention to weak students through better parent-teacher interaction and personal counseling to the needy.
2. Giving special care to improve the curricular, co-curricular and extra-curricular activities of the undergraduate students with a view to improving their overall performance.
3. Focusing more on UGC/NET- oriented classroom interactions, discussions and seminar presentations at the PG level.
4. Improving social relations of the teachers and students.
5. Improving the infrastructural facilities in the classrooms and in the dept. staff room.
6. Conducting end-semester model viva, peer viva and model viva with external examiners for PG students.
7. 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.
8. Conducting more programmes with better quality under the English Association.
9. Organizing a Book Lovers' Club for improving general reading among the students and the teachers of the college.
10. Monitoring of attendance and identifying regular absentees.

11. Conducting Bridge Course for PG aspirants with invited resource persons.
12. Career oriented training and personality development programmes for PG and UG students.
13. Encouraging students to participate in intercollegiate, intervarsity and other competitions.
14. Promoting research orientation.
15. Buying more books to the library after careful study of the usefulness of the books purchased.
16. Sending teachers as resource persons to various seminars and workshops in English and related areas.
17. Invited talks by renowned scholars for teachers and students and organizing seminars.
18. Strengthening the alumni association.
19. Career training and preparation for campus recruitment.

Outcome Achieved by the End of the Year

The department has achieved all goals set at the beginning of the year. But we still find enough room for improvement in all the aspects of the teaching-learning process. A commendable achievement of the year was that teacher –student interaction improved considerably through personal consultations, tour programmes, academic discussions and cultural programmes. Prof. Cherian Vadakkekunnel, Head of the Department has succeeded in bringing the students, parents and teachers closer and in creating a sense of belonging in the students and parents. Students have given emotional and financial support to their fellow students who were found in trouble. The whole department met the Principal in his office to greet him on Teachers’ Day. The students came to the department, greeted teachers, distributed sweets and gave greeting cards to them.

Dr. Siby James presented four papers in national and international seminars this year. Prof. Cherian Vadakkekunnel acted as resource person in several personality development programmes in various colleges and social organizations. He is one of the organizers and resource persons of the Bank Test Coaching Programme in the college. Two of our P.G. students, Sreevidya S. and Sija Viswanath, were selected to The South Indian Bank through Campus Recruitment Programme.

There were six invited talks this year and six presentations by our former and present students as well. The English Literary Association was so active this year with a number of

novel programmes like the Film Fest. Among the innovative practices was the forming of a group of event managers from among the students. The group was named Eventos. The peer viva programme for the P.G. students was another innovative practice.

Malayalam

1. Arrange meetings of eminent personalities in the field of Malayalam literature.
2. Conduct inter-collegiate workshops/seminars on relevant topics in art & literature
3. Augment the initiatives of the department in promoting literary awareness among the new generation especially among higher secondary students.
4. Design an action plan that can facilitate students to interact with successful alumni.

Outcome Achieved by the End of the Year

The year 2010-11 was vibrant with a lot of programmes, seminars etc. Members of the faculty gave invited talks and presentations in various national seminars in different colleges/universities.

Hindi

1. Conduct research scholars' thesis presentation seminars.
2. Conduct curriculum-based quiz programmes.
3. Conduct invited talks by experts.
4. Organize semester-wise PTA meeting.
5. Offer remedial classes to SC/ST and minority students.
6. Conduct mock viva for PG students and unit tests for both UG and PG students.
7. Actively participate in curriculum reforms at university level.
8. Purchase more books for library.
9. Promote the activities of the alumni of the dept.
10. Conduct staff meetings regularly.

Outcome Achieved by the End of the Year

The academic year 2010-11 was a fruitful year for the Dept. of Hindi. Many co-curricular and extra curricular activities were organized by the Hindi Students Association. Three invited talks were organized. Two minor research projects are nearing completion. The members of the faculty published two articles in research journals. Three research scholars in the dept. were awarded Ph.D. this year. In the M.A. Hindi examination the first and second ranks were bagged by our students, Karthika S. Nair (I Rank) and Athira Gopal (II Rank).

German

1. Motivate the students to do the certificate course in German language of the Indira Gandhi National Open University
2. Organize competitions on translation from and into German.
3. Inculcate a culture of German speaking among the students.

Syriac

1. Conduct internal examinations regularly and assign grades
2. Purchase more books for the library
3. Promote reading habits among students
4. Encourage students to speak Syriac language

Commerce

1. Duty allocation among faculty members.
2. Model viva for IV semester M.Com students (June)
3. Alumni Interactive Programme (June)
4. Establish an alumni association ensuring participation of maximum batches of both B.Com. and M.Com. and get it registered.
5. Preparation of Internal Academic Audit reports and allied files. (July)
6. Inaugural function of the Golden Jubilee Celebrations of the Department and alumni meet (July)
7. Peer teaching by II PG(III SEM) students for II B.Com (Aug)
8. Admissions – July & August
9. Organizing seminars, workshops and invited talks by eminent academicians, and practicing chartered accountants.
10. Centralized mid-term test paper by the department in July and November.
11. Commerce Forum Inauguration - August
Seminar/Workshop/ Invited Talks - (June, December, March)
12. Onam Celebration - August
13. Com Arena- '10 (Inter Collegiate Commerce Fest) - October
Christmas Celebration - December
Valedictory - March
14. Research Extension and Consultancy Cell

15. Organization and inauguration of the cell, inter collegiate seminar on research reporting, extension programs and consultancy services
16. Meeting of research scholars, presentation of their work progress (Dec) etc. PG students are also expected to benefit out of it.
17. 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	
18. Result analysis (January)
19. Academic audit – March
20. Induction programme (Com Nox) (January)
21. Synopsis presentation of II. M.Com students (March)
22. Remedial classes, support to weak students and motivation to outstanding ones, identifying weak students, promoting enterprising ones etc
23. Study tour for III DC (November) and II M Com (January)
24. Staff tour (February)

Outcome Achieved by the End of the Year

The academic year 2010-2011 was fruitful with a lot of academic as well as extracurricular activities for the Dept. of Commerce. Both UG and PG results were excellent. All II PG students passed with First Class and III B.Com result was one of the best in the locality (93%). Seven seminars/invited talks were organized. Members of the faculty gave invited talks and presentations in various national seminars in different colleges/universities.

Economics

Programs

Tentative Dates

- | | |
|---|---|
| 1. A two-day induction programme for
I M. A. students | 14 th and 15 th September, 2010 |
| 2. Inauguration of Economics Association | October 2010 |
| 3. A Seminar on Capital Market in India: Prospects and Challenges | December 2010 |
| 4. A two-day Youth Leadership Programme | 9 th and 10 th February 2011 |

5. Union Budget analysis and budget analysis

Presentation competition

3rd March 2011**Outcome Achieved by the End of the Year**

The academic year 2010-'11 was an excellent year for the Dept. of Economics. Both UG and PG results were impressive. Ms. Diya Philip secured II rank in M A final exam conducted by M G University. 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

1. More seminars and invited talks to be arranged
2. More association activities and co-curricular activities.
3. Research activities to be enhanced.
4. Infrastructure and beautification of the department.
5. Training programmes in archeology for students.
6. Poor students' aid fund will be made operational.
7. A History exhibition to be conducted.

Political Science

1. To encourage the teachers to apply for research projects
2. To generate a growing interest among the students and teachers to use the Internet, e-journals, and other facilities.
3. Career Guidance and Placement Cell to be strengthened.
4. More association activities and co-curricular activities.
5. Publication of a journal of national/international standard.
6. The activities of the alumni to be strengthened.
7. Seminars and invited talks to be arranged.
8. Strengthening the infrastructure of the department.

Outcome Achieved by the End of the Year

During 2010-2011 the Department has conducted an invited talk under the auspices of the 'Forum for Great Thoughts'. The faculty members attended several national seminars and workshops. In the MA Political Science examination of the university the first, second and third ranks were secured by this department. The activities of the Placement Cell and the

Alumni Association were further strengthened during this academic year. In collaboration with the Higher Education Council, Kerala, the department organized a workshop on 'Methodology and Perspectives in Social Sciences'.

Physical Education

1. Strengthening of the infrastructure of the department.
2. Coaching camps for various games to be initiated.
3. Participation in more inter-collegiate events.
4. Conduct of various state and inter-collegiate level events.
5. Conduct of more extension activities for public.

Outcome Achieved by the End of the Year

This year, keeping the rich tradition of sports upheld the college, we took one step ahead by elevating the All Kerala Bishop Vayalil Volleyball Tournament to South India Level. The 33rd Bishop Vayalil South India Inter-collegiate Volleyball was conducted in the month of December. Teams from Chennai and Coimbatore faced each other in the summit clash. The Satyamabhama University volleyball team from Chennai eventually won the championship in the men section and Alphonsa College won in the women section.

The senior state Inter Club Athletic Championship was also won by our athletics team which was highly acclaimed by the print and electronic media.

The Jose Kokkad Memorial Endowment, instituted by the sports alumni was awarded to outstanding sports alumni. The students represented the college in ten different events in Inter -collegiate competitions with flying colours. Various state, district and intercollegiate level events were organized by the department during the year.

IGNOU

1. To conduct an induction programme for students at the beginning of the year
2. To develop an add-on programme on career orientation
3. To organize a Cake Carnival in connection with Christmas celebrations
4. To conduct a value education programmes for students
5. To organize entertainment programme for students
6. To conduct a seminar on stock market
7. To organize a quiz competition for the feeder course on an all-Kerala basis
8. To actively participate in the annual internal academic audit

9. To prepare a question bank
10. To conduct internal examination with university model questions
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
14. To make assignment evaluation system more efficient
15. To properly maintain the computer lab

Outcome Achieved by the End of the Year

1. Conducted three internal exams, assignments evaluated and grades submitted to the university
2. A question bank is prepared and filed in the office.
3. Participated in the internal academic audit.
4. Organized Kasturba Gandhi Keraleeyam Quiz competition and a challenge trophy installed.
5. Organized a workshop on Indian Capital Market.
6. Developed a certificate programme on career orientation.
7. Conducted value education programmes.
8. DCA programme successfully conducted.

NCC (Army)

1. Conduct 20 parades in this academic year.
2. Organize training programmes for map reading, rifle, and disaster management.
3. Celebration of Independence Day, Republic Day and NCC Day.
4. Encourage cadets to appear for certificate examinations.
5. Participate in seminars and camps.

Outcome Achieved by the End of the Year

1. The Army Wing has 160 cadets
2. Conducted 20 parades, training programmes for map reading, rifle, and disaster management
3. Ten cadets participated in the Pre-RD camp and 4 cadets selected for RD preparatory camp
4. Many cadets secured awards and prizes in national level competitions

NCC (Navy)

1. Conduct 20 parades in this academic year.
2. Celebration of NCC Day.
3. Celebration of Independence Day with march-past and other functions.
4. Encourage students to participate in various camps and competitions.

Outcome Achieved by the End of the Year

1. Conducted 20 parades in this academic year.
2. Celebrated NCC Day.
3. Celebrated Independence Day with march-past and other functions.
4. Encouraged students to participate in various camps and competitions. Fifty-two cadets participated in various state/national level camps and parades and won prizes.

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.

Outcome Achieved by the End of the Year

1. The NSS unit of the college was selected as the second best unit among colleges affiliated to MG University and the coordinator Prof. Thankachan Augustine was selected as the best NSS programme officer.
2. The NSS unit has an enrolled strength of 402 volunteers.
3. 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.
4. A twenty-one member advisory committee was constituted for the year 2010-2011.
5. Displayed posters and booklets in the campus on 26.6.2010 to impart awareness on the impact of narcotics.
6. A one-day camp was organized on 26.6.2010 to clean the campus.
7. Planted saplings in and around the campus during 1-7 July 2010.

8. A seminar on literacy was conducted on 14.7.2010 to observe International Literacy Week.
9. World Population Day was observed on 11.7.2010.
10. An orientation programme for new volunteers was organized. The programme was inaugurated by Sri. J. A. Chacko Ex. MLA.
11. A seminar on the impact of alcohol, pan masala, tobacco, and drugs was organized on 20.8.2010.
12. Celebrated NSS Day. Prof Sabukuttan, former coordinator of NSS, MG University, was the chief guest.
13. A seminar on disaster management was organized on 04.12.2010. Sri. K.M. Mani MLA inaugurated the programme.
14. A seminar on road safety was organized on 06.01.2011.
15. A legal awareness programme was organized on 12.01.2011.
16. Red Ribbon Club and Voluntary Blood Donation Forum were inaugurated on 03.10.2010. 143 members donated blood during the year.
17. As part of the Home for Homeless Poor Project of NSS, a sum of Rs. 24200/-was collected and handed over to Sri Akhil Babu S. on 25.01.2011.
18. A manuscript magazine 'Aksharam' was released on 17.3.2011.
19. Uniform cloths were distributed to the students of Govt. LP School, Pala and a seminar on literacy was organized in the school.
20. A seminar on Dental Care and distribution of toothbrushes and toothpaste was organized in Govt. LP School, Kadanadu. A similar programme was conducted in Girls Town Orphanage, Kozhuvanal on 15.02.2011.
21. A survey on waste management was conducted at Banglamkunnu Colony, Kadanadu on 18.12.2010.
22. Seedlings and flower plants were planted in the vicinages of Pala-Ettumanoor road on 25.7.2010 Sri. Mons Joseph MLA inaugurated the programme.
23. Observed World AIDS Day, Mentally Disabled Week, etc.
24. 'Nadee Vandanam' was organized at the Meenachil River banks near the college on 02.02.2011. Sri. P.C. George MLA inaugurated the programme.

25. A seven-day special camp was organized at Our Lady of Lourdes High School Hall, Uzhavoor, during 20-26 August 2010. Sri. E.J. Lukose Ex. MLA inaugurated the programme.

Part B

1. Activities Reflecting the Goals and Objectives of the Institution:

Statistics

The department is devoted to giving quality education and research facilities in statistics. In addition to regular classes, remedial classes, extra classes, 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. Members of the faculty and students are collaborating with internationally reputed researchers like Professor Hans J. Haubold (United Nations), Professor Sangitha Kulathinal (Finland) , Professor Pit Pitchappan (Saudi Arabia) and Professor Miroslav Ristic (Russia)

Mathematics

Professor Mathew T Matheikal Intercollegiate Mathematics Quiz Competition

The department organized the “Professor Mathew T. Matheikal Intercollegiate Mathematics Quiz Competition” on 18 January 2011. Nine teams representing colleges from all over Kerala participated in the competition. The ever-rolling trophy and first prize were won by the team representing Assumption College Changanacherry. Prizes were distributed by Dr. K. K. Jose, Principal. The programme was co-ordinated by Dr. V. K Jose and Dr. Sunil C. Mathew served as the quiz master.

Physics

1. The curriculum activities were properly planned in a student-oriented manner and obtained 100% success in graduate and postgraduate examinations.
2. In the beginning of first year B.Sc and first year M.Sc classes, Dr.Vincent Mathew elaborated to the students the scope and possibilities of physics learning and physics research. Guidance is given to many students to qualify for KVPY scholarships, JAM, NET, JUST etc.
3. Faculty of the department actively participated in the syllabus revision discussions of M.G University held at various stages and forums.

4. Organized a five-day national workshop on Maintenance of Electronic Laboratory Equipment on collaboration with WRIC Mumbai.
5. Organized a one-day acquaintance program and one day workshop on Computer Interfaced Science Experiments on collaboration with IUAC, New Delhi.
6. Organized a fourteen-day refresher course on Condensed Matter Physics and Statistical Physics in collaboration with Indian Academy of Sciences, Bangalore.
7. Two invited talks during the academic year.
8. Dr. Alok Sharan, Assistant Professor, Pondicherry Central University , Pondicherry.
9. Dr.V Madhu, Department of Atmospheric Science, CUSAT, Kochi.
10. Other activities
11. Students of the department actively participated in “Miss-a-Meal Program” of the college to help poor people, “clean campus” program and in the activities of the Anti Narcotic Club. Many of our students are active members of NSS and NCC.

Chemistry

With a view to impart quality education in Chemistry and related areas of international standards, the following programmes were 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.

Resource Generation Camp

The department conducted resource generation camps in association with Indian Academy of Science, INSA and National Science Academy.

Conferences and Invited Talks

The faculty members of the Department of Chemistry gave invited talks to students and teachers of colleges, schools and research organizations. Experts are invited to the department to deliver lectures and invited talks to our students and faculty. Students and teachers have participated in seminars and conferences.

Biotechnology

1. The activities of the Project Monitoring Committee have been strengthened. Project presentation seminars were conducted for PG students. Members of the faculty closely monitored the project work of the students.
2. Annual performance of teachers systematically assessed and evaluated
3. Strengthened the animal cell culture laboratory
4. Provided more facilities in plant molecular biology laboratory
5. Offered a certificate course in Molecular Biology and Plant Tissue Culture
6. Trained students in bioinformatics in collaboration with department of Statistics and Biostatistics

Botany

1. A detailed students' profile report was prepared and the performance of students was evaluated on that basis.
2. Conducted annual result analysis. Hundred per cent result was achieved at the PG level and at UG level the result is 85% pass.
3. Provided special orientation on UGC-CSIR tests to students. Two students; Mr. Biju George and Mr. Sijo Mathew qualified the test during the report year.
4. An effective system of tutorial support was implemented in the department. Prepared a schedule of teachers available in the dept for counseling and guidance and the same was published in the dept notice board. Every batch of students was allotted a tutor. Tutorial work record is prepared and well maintained.
5. Conducted PTA for every semester
6. Conducted study tours for students. Tutors accompanied the students.
7. Provided counseling support at the dept level
8. Service of an academic counselor was made available for open course.
9. Conducted four invited talks during the year. Conducted a seminar on natural rubber and another seminar on Maintenance of Pristine Vegetation in Ecologically Fragile Areas – A Check for Climate Change
10. Observed World Traditional People Day
11. Under the auspices of Botany Association the following programmes have been organized:-
 - a. Celebrated the Onam festival
 - b. Invited talks by Rev. Dr. M. M. Mathew and Dr. Maju T.T. were conducted

- c. Celebrated Christmas
 - d. Dissertation presentation competition conducted
12. The following books have been published by members of the faculty:-
- a. Essentials of Botanical Micro Technique
 - b. Proceedings of the National Conference on Recent Trends in Plant Science Research
13. Four CDs have been prepared for use in the dept:-
- a. Floral Wealth of Kerala
 - b. Kerala Garden of Eden II
 - c. Mangroves Nature India
14. Two research projects in collaboration with the Forest Dept of Kerala State have been initiated this year:-
- a. Biodiversity monitoring in protected areas of Kerala
 - b. Biodiversity documentation of the protected areas of Kerala

Zoology

1. Conducted an exhibition in connection with the 'World Biodiversity Year Celebrations' on 28-29 September 2010. The programme was named as ZOION 2010. The exhibition included display of rare specimens, bones of different animals, shells, embryological specimens, charts, physiology experiments etc. Almost all the students of St. Thomas College and +2 students of the nearby schools visited the exhibition on these days.
2. Conducted a study tour to Salim Ali Bird Sanctuary. Students visited the sanctuary at Thattekkad to document the biodiversity. They could watch many rare species of birds. Students got an opportunity to interact with eminent ornithologist Dr. R. Sugathan. The team visited Iringol Kavu also. It is Kerala's largest sacred grove.
3. Strengthened the tutorial system.
4. Provided remedial coaching to SC/ST and minority community students.
5. More facilities have been added to the laboratory.
6. Work allotted to teachers at the beginning of the year.
7. Internal examinations were conducted and grades awarded.
8. Conducted an orientation programme for I DC students on CBCSS under the auspices of the IQAC of the college. Prof. Baby Augustine, HOD, was one of the resource persons.
9. Conducted study tour for students.

English

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. Additional staff meetings are held on short notice on special occasions and in urgent situations.

3. Paper Presentation by Teachers

- a. On 25.6.2010, Dr. Siby James presented a paper in the International Seminar organized by the Malayalam Dept. of our college. The topic of the paper was, 'Feminist Resistance in Malayalam Short Story.'
- b. On 14.7.2010, Dr. Siby James gave a talk on Literacy Mission in a seminar conducted by the N.S.S. unit of our college in connection with the conclusion of the World Literacy Week.
- c. On 15.7.2010, Prof. Tommy Cherian delivered the inaugural address in the inaugural function of the English Association of Beselius College, Kottayam.
- d. On 30.7.2010, Dr. Siby James presented a research paper on "Theory of Aesthetics" in the U.G.C.-Sponsored National Seminar at Devamatha College, Kuravilangadu , on *Aesthetics-Eastern and Western*.
- e. On 29.10. 2010, Dr. Siby James gave a lecture on 'Subaltern Studies in the Indian Context' at St. Stephen's College, Uzhavoor.

4. Invited Talks

- a. On 21.7.2010, Prof. Susan Varghese, H.O.D. , C.M.S. College, Kottayam and Prof. Elizabeth J. Thomas of Mar Thoma college, Thiruvalla interacted with the II P.G. students on ' How to Prepare and appear for Viva'.

- b. Prof. T.R. S. Iyer gave a talk on 'Romantic Novels', to the II P.G. students on 14.9.2010.
- c. On 16.11.2010, Mr. Duncan Armitage from the U.K. interacted with the I P.G. students and the teachers of the dept. He is a leading actor in English theatre.
- d. On 17.8.2010 Dr. Cynthia Merita Jose, Raritan Valley Community College, Rutgers Uty, Somerville, New Jersey, gave a talk on "World History through the World of Letters' to the P.G. and U.G. students for two hours followed by an interactive session.
- e. On 21.9.2010. A one-day Awakening Programme was held for P.G. I sem. students in the auditorium. Sri. George Karunakkal of *Prospects*, a Cochin-based international training organization, took classes.

5. Presentations by the Present and the Former Students and the Research Scholars.

- a. On 7.7.2010, Mr. Rahul V. Rajan presented his disseratation topic before the present III semester P.G. students. The topic was Co-realisation of the self of the Hero: A Deep Ecological Study of Gita Mehta's *A River Sutra*
- b. On 22.9.2010., the inaugural programme of the Book Lovers' Club and the first presentation of the book, *2 States* by Chetan Bhagat by Geethu Jose of II P.G. English. The Chief Guest was Dr. Michael Puthenthara
- c. On 12.7.2010, Ms Anu Francis of 2008-09 P.G. batch presented her dissertation as a paper for the current III Semester P.G. students.
- d. Ms. Princy Jacob, a former P.G. student and present research scholar, presented her Ph.D topic before the II P.G. students in one hour. The topic was 'Encountering Ecophallogocentrism: Kate Soper and the Reconstruction of Ontology'

Publications

Dr. T.J. Abraham published the following articles in the current year:

1. 'Postmodernism,Deep Echology and Co-realization', Viswa Bharati Quarterly. 2010
2. 'Unhomy India : *Life of Pi*', STARS 2009

6. English Literary Association.

- a. On 20.7.2010, The English Association was inaugurated by the cini artist Sri. Babu Antony. This was followed by various cultural programmes by the students of the department.

- b. On 21.7.2010, a class debate programme was organized under the auspices of the English Dept. on Campus Politics.
- c. On 23.7.2010 a quiz programme was conducted by the II D.C. students on general knowledge under the auspices of the English Association.
- d. On 27.7.2010, a literary quiz was conducted by the English Association. Quiz master – Prof. P.J. Johnson.
- e. The ‘*Joy Meeting*’ of the English batches was held on 16.7.2010 during the last hour.
- f. 6.7.2010., Eight students from our dept. attended the ALTIUS meet organized by World Malayalee Council at Darsana, Kottayam.
- g. 15.8.2010., A team of our III and II D.C. students presented the theme ‘India, I am Proud of You’ at the Minds, *India of My Dreams* contest held at Chavara Public School, Pala. In the all Kerala competition our team won the III Prize.
- h. 20.8.2010., Ms. Anu Francis of former II M.A. class won first prize in the dissertation presentation at Devamatha College, Kuravilangadu.
- i. 20.8.2010., Onam celebration under the auspices of the English Literary Association. Dr. C.T. Francis, H.O.D. of the Sanskrit Dept. of our college delivered the Onam message.
- j. 15.1.2011., Ms. Geethu Jose and Ms. Shilpa Mathew of II P.G. won I Prize in ‘El-Lit quest-2010’. It was an inter-collegiate quiz on English language and literature, organized by the English Club of St. Thomas College of Teacher Education, Pala.
- k. 1.2.2010., Inauguration of SPECTRA, the film club by cine artist Anagha followed by a film festival for seven days, ‘Film Fiesta 2010’.
- l. 7.12.2010., Valedictory function of the film fest. Award winning film director, Joshy Mathew was the chief guest.
- m. 28.12.2010., NOSTALGIA, a mega programme in connection with the 60th anniversary of B.A. English. All former students of the department were invited with family. More than one thousand and five hundred people attended the programme. Honours and mementoes were given to illustrious students of the past and present. This was followed by cultural programmes.

7. 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. 15 of the II P.G. students appeared for the exam. The following students cleared the test:

1. Shilpa Mathew
2. Geethu Jose

The following students of previous batches also passed the NET in 2010

1. Sini Jacob
2. Bindu Cherian
3. Ashish Martin Tom
4. Princy Jacob

8. Innovative Practices

- a. 16.8.2010. Peer Viva for II P.G. students was conducted in the last hour.
- b. Model Viva for II P.G. Students on the first ten papers (Papers of the first and second semesters). All teachers co-operated.
- c. Class PTA was organized for the degree students in which the parents and teachers sat together and discussed the issues.

Malayalam

The department is doing everything for the growth of the students in the college. Invited talks, 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. during 2010-11

1. National Seminar

During 24th 26th June, 2010 the Department of Malayalam in association with Mahatma Gandhi University and State Institute of Educational Technology Trivandrum conducted a National Seminar sponsored by University Grant Commission on the topic *Female Resistance against Male Domination in Malayalam Short Stories*. Around 60 teachers and postgraduate students of Malayalam, Hindi and English attended. Famous short story writers like Chandramati, A G Olena, Sreedevi and critics Mini Sukumaran, Sumi Joy Oliyappuram, and Indulekha presented papers. It helped both the teachers and students to equip themselves with the new trends in feminism and the new waves in short story.

2. Merit Day Celebrations

Students who secured ranks and high marks in university examinations were felicitated by organizing Merit Day. Dr. P.S. Radhakrishnan, School of Letters, M. G. University was the chief guest. He presented a paper on Cinema in 21st Century. Dr. Radhakrishnan also released a short film directed and produced by Pramod P. of III BA Malayalam. The name of the film is 'Be Alert'. The student prepared the film with financial assistance from the dept.

3. Quiz Programme

An all Kerala quiz competition was conducted by the IGNOU Study Centre in the college in collaboration with the Dept of Malayalam. Dr. Davis Xavier and Dr. Thomas Scaria were the quiz masters. The programme was named as Kasturba Gandhi Keraleeyam Quiz Competition. The programme aims at promoting patriotism and respect for women.

4. Workshop

With a view to familiarizing the aesthetic sense of poetry the department arranged a seminar on 'How to Recite a Poem'. Dr. Dominic J. Kattoor, Associate Professor of University College Trivandrum led the class and it helped the students to go deeply into modern poems. In connection with the programme we conducted a film festival arranged by Binukumar Elamad. The programme was held on 18th of February 2011.

5. Book Releasing

The department was lucky enough to release three books on 7th of March this year which give new trends in Malayalam language and literature. The books are *Folk Songs of Meenachil*, *Purushayithangal* and *'Ambathonnaksharali'*. The books were authored by members of the faculty. Eminent short story writer Subhash Chandran released the books and presented a paper on his own novel and short stories.

6. Paper Presentation

- a. A paper on 'Translation' presented by Dr. Sabu De Mathew at Catholicate College Pathanamthitta in a national seminar.
- b. A paper on 'Poetry' presented by Dr. Sabu De Mathew at Maharajas College Ernakulam in a national seminar.
- c. A paper on 'Theatre and Cinema' presented by Sojan Pullattu at Devamatha College Kuravilangadu in a national seminar.

Hindi

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

1. Thesis Presentation

Research scholars of the department, prior to their open defense and viva voce in the university; present their findings before the teachers, research scholars and students. This is a mock open defense session for the scholars and the students. The presentation was followed by lively discussion, feedback etc in which the research scholars, teachers and students actively participate.

2. Quiz Programme

Occasional quiz programmes are conducted by the teachers on prescribed text books and general knowledge.

3. Invited Talks

Sri. Rama Kimal, noted specialist on Premchand, delivered a talk on the work of Premchand on 20th August 2011. This is the 75th year of the publication of Premchand's masterpiece "Godaan". Dr. P.M. Thomas gave a talk on "Hindi Literature-A Survey" and enlightened the students. Dr. Sakuntala Reddy of Central Institute of Hindi, Hyderabad spoke to the postgraduate students on Telugu and Hindi literature.

German

Students were encouraged to do the certificate course in German language of Indira Gandhi Open University.

Syriac

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

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.

Economics

The department is providing best possible instruction and guidance to students. In addition to 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.

Political science

The following programmes were successfully implemented in 2010-2011.

1. Workshop

A K.S.H.E.C sponsored workshop on “Methodology and Perspectives in Social Sciences” was organized by the Research and Postgraduate Department of Political Science St. Thomas College, Pala on 20th November 2008.

2. Political Science Association

Merit Day Celebrations (2010-11) of the department were held under the auspices of the Political Science Association

Physical Education

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

1. Summer Coaching Camp

Coaching camps for volleyball, athletics, football, tennis and cricket were conducted for the college students. The camps were held under the guidance of Sri. Ashish Joseph, Sri Chacko K A (athletics coach, KSSC), Sri. Binoj P Johny (volleyball coach, KSSC) and Sri Jean (KCA).

2. Participation in Inter-collegiate Tournaments

Our students represented the college in 10 events in the Mahatma Gandhi University Inter collegiate Championship this year. Other activities included the conduct of Karate classes, Annual Sport Meet, tug-of-war competition, and Staff versus student cricket match.

IGNOU

1. Conducted an induction programme for students at the beginning of the year. The Manager, Rev. Fr. Eanas Ottathengunkal, and Principal, Dr. K. K. Jose participated in the programme.
2. Organised an add-on programme on career orientation. The programme was inaugurated by Prof. Tommy Cherian, HOD, Dept of English on 5.11.2010

3. Organized a cake carnival in connection with Christmas celebrations
4. Conducted a value education programme for students on 14.11.2010. Rev. Fr. Joseph Alencherry was the resource person.
5. Organized an entertainment magic programme for students on 14.10.2010. Rev. Fr. Micheal Ouseparambil and Rev. Fr. Joseph Arackal were the magicians.
6. Conducted a seminar on Indian stock market on 10.03.2011. Mr. Johny John, Territory Head, and Mr. Denny Alex, Branch Manager, JRG Securities Ltd. were the chief resource persons.
7. Organized Kasturba Gandhi Keraleeyam Quiz competition for the feeder course on an all Kerala basis. The challenge trophy and the quiz competition were inaugurated by H. E. Mar Joseph Kallarangattu, Patron of the college, on 04.02.2011. The programme aims at promoting patriotism and care for women.
8. Participated in the annual internal academic audit. Prepared a detailed audit report and submitted to IQAC.
9. A question bank is kept in the office.
10. Conducted internal examination with university model questions
11. Conducted a business quiz for students. Winners were given certificates and cash awards.
12. Promoted the activities IGNOU Students' Forum. Various programmes have been organized under the auspices of the forum.
13. The DCA programme is offered to all students
14. Assignments were evaluated and grades transmitted to university at the stipulated time.
15. The computer lab is well maintained. One member of faculty is assigned the duty of maintenance.

NCC (Army)

1. The NCC Army wing has an enrolled strength of 160 cadets.
2. Conducted 20 parades in this academic year.
3. Organized training programmes for map reading, rifle, and disaster management for cadets.
4. Celebrated Independence Day, Republic Day and NCC Day. Dr. K. K. Jose, Principal hoisted the National Flag and addressed the gathering.
5. Six cadets participated in various state/national level competitions and secured prizes.

6. Ten cadets participated in the Pre-RD camp held at Deva Matha College Kuravilangadu and four of them were selected for RD preparatory camp.
7. The college hosted an ATC and Pre-IGC camp from 21-30 September 2010. Four hundred cadets from various colleges participated.

NCC (Navy)

1. Conducted 20 parades this academic year.
2. Celebrated NCC Day.
3. Celebrated Independence Day with march-past and other functions.
4. Encouraged students to participate in various camps and competitions. Fifty two cadets participated in various state/national level camps and parades and won prizes.

NSS

1. Activities in the Campus

- a. Organized two Mini Work Camps in the campus
- b. Observed 'Vana Mahotsav' Week
- c. Observed N.S.S. Enrolment Week
- d. Observed International Literacy Week
- e. Observed World Population Day
- f. Organized orientation programmes
- g. Observed 'Sadbhavana Day'
- h. Organized training on soft skills
- i. Organized seminar on Impact of Alcohol, Pan-masala, Tobacco and Drugs
- j. Organized N.S.S. Day celebrations
- k. Organized seminar on First – Aid and Disaster Management
- l. Organized K.S.T.P Road Users Survey in association with RUSS
- m. Organized Road Safety Week
- n. Organized Legal Awareness Programme
- o. Inauguration of Creative Forum under N.S.S.
- p. Observed 'Neerthada Divas'
- q. Launched Student Saving Scheme in association with South Indian Bank
- r. Observed Book Collection week

- s. Inauguration of Red Ribbon Club/ V.B.D Forum
- t. 'Shapadickoru Veedu' as part of 'Home for the Homeless'
- u. Released N.S.S calendar
- v. Released a manuscript magazine

2. Activities at Pala Municipality

- a. Work Camp – Cleaning Mini Civil Station
- b. Tree Plantation – My Tree Programme
- c. Organized rally as part of Observance of World AIDS Day
- d. Organized Arjathy Special Camp 2010 for disabled children
- e. Participated in World Mental Health Week Celebrations at Mariasadan, Pala
- f. Voluntary assistance for National Pulse Polio Immunization 2011
- g. Organized Nadhee Vandanam
- h. Orientation to N.S.S. volunteers at Govt. Poly Technice College, Pala
- i. Orientation to N.S.S. volunteers at Amal Jyothi Engineering College, Kanjirapally
- j. Special Camp Orientation at Govt. Poly Technice College, Pala

3. Activities in the Partner Institutions

- a. Observed World Environment Day at Govt. L.P. School, Kadanad
- b. Distributed uniform cloths at Govt. L.P.School, Pala South
- c. Distributed uniform cloths at Govt. L.P.School, Kadanad
- d. Observance of International Literacy Day at Govt. L.P.School, Pala South
- e. Installed Mangalam 'Aksharajyothy' at Govt. L.P.School, Pala South
- f. Organized Seminar on Dental Care at St. Mathew's U.P. School, Kadanad
- g. Organized Dental Treatment and Health Training Camp at Govt. L.P.School, Kadanad
Organized Seminar on Dental Care at Kadanad
- h. Expansion of library at Girls Town Orphanage
- i. Balamela at Govt. L.P.School, Pala South

4. Activities in the Partner Village

- a. Organized Socio –economic – Health Survey at Uzhavoor
- b. Haritham – Tree plantation at the premises of O.L.High School, Uzhavoor
- c. Construction of water bund at Padinjattinkara
- d. Paddy farming at Padinjattinkara.

- e. Hosted Mahatma Gandhi University N.S.S Volunteer Secretaries' Training Camp
- f. Hosted Intercollegiate Camp on 'Better Self – Better Society'
- g. Organized Seven-Day Special Camping Programme at O.L.L. H. S, Uzhavoor
- h. Participation in a national/ state/ university level camps

2. New Academic Programme Initiated (UG and PG)

Physics

1. SYP- Sharpen Your Physics program. This program is intended to enhance the scientific knowledge of students. Students are given a book related to physics every week and asked to submit a report within the stipulated time.
2. PSD- Problem Solving Drive. This program is intended to enhance the problem solving capacity of a student.

LTP- Learning through projects: Learning Principles in Physics by executing mini projects is an unforgettable experience to the students. All B Sc students have to do at least two simple projects in each semester which are to be reported and presented. The department will organize exhibition or seminars in the college or in schools and our students will be presenting their projects and explaining the principles involved. Through this scheme, we would like to impart research aptitude to our students.

Political Science

- a. The department conducts regular NET/SET coaching classes for the postgraduate students.
- b. Talented and intelligent students are spotted out and opportunities are given to nurture their talents

3. Innovations in curricular design and transaction:

Mathematics

Prof. Tommy Thomas, participated in the workshop conducted by the Board of Studies in Mathematics, MG University to review the newly introduced CBCSS program for undergraduate courses.

Physics

Members of the faculty actively participated in the curriculum design and syllabus modernization programs of M.G.University. Drafts were prepared and submitted. Remedial teaching is conducted for students falling back.

Chemistry

To cater to the diverse needs of the society and the higher education sector of Kerala, we offer various UG, PG and doctoral programmes for students who pursue higher degrees. In the UG programme under the CBCSS stream, we offer various skill-oriented and job-oriented open courses and choice-based courses. Bright students are trained to attend campus interviews. Career counseling is offered to both UG and PG students. Based on these, many students have got placements in national institutes of research and teaching, research centres, chemical laboratories, industries, R&D laboratories, colleges, schools, banks etc. Resource materials, question papers and study aids for UGC/CSIR JRF/NET and GATE examinations and other competitive examinations are provided. Remedial coaching is given to weak students. Study materials and financial assistance are provided to financially weak students in the form of scholarships, personal contribution of teachers etc.

English

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

Commerce

Members of the faculty participated in the evaluation workshop of choice based course credit and semester system and grading for B.Com. in the M. G. University.

Political Science

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

4. Inter Disciplinary Programmes Started:

Physics

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.

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 requirements 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

Biotechnology

A certificate programme in bioinformatics is already available to the students of applied microbiology and biotechnology. A certificate course in molecular biology and applied microbiology has been started in the department

IGNOU

Designed curriculum for a career oriented certificate course. The course is offered to all students at the centre. Experts from outside conduct the course.

5. Examination reforms implemented:**Statistics**

Mock viva for PG students, UGC-NET coaching and special training in statistical packages SPSS, SAS and R were conducted for second year M.Sc. students.

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. 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, Calicut University B.Sc Physics question paper setter
6	Dr. Ginson P Joseph	UG Board of examinations, External examiner of Ph.D - University of Madras
7	Prof. Libin Kuriakose	UG Board of Examinations
8	Prof. Antony Simon	UG Board of Examinations

Chemistry

Test papers were conducted paper-wise every month. Exam oriented remedial coaching was given to promote backward students. After every termly/internal examination, we arrange 'Meet the Parents Programme' for all classes. Special attention is given for UGC-CSIR test / GATE coaching and model tests.

Biotechnology

The departmental internal assessment programme has been modified to include objective type test papers in line with the UGC CSIR entrance examination and DBT, ICMR competitive examination. Work presentation seminars are compulsory for final year students who do their project work. Previous knowledge of concerned lessons was tested in each class by oral questioning method.

Zoology

Monthly test papers are given to III DC students regularly. Evaluated answer scripts are given to students; mistakes are pointed out to each student individually. For I and II DC students, in addition to general mid terminal examinations, unit tests/class tests are given.

English

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

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

Mock viva-voce for PG students, Model test papers etc.

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

Statistics

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

Mathematics

Two postgraduate students of our department qualified the UGC-CSIR National Eligibility Test for Lectureship held during June and December 2010.

1. Ms. Elizabeth Augustine
2. Ms. Tessymol Sebastian

Physics

Every year there is an average of six students clearing NET/GATE/JEST examinations.

Chemistry

The following students passed the NET

1. Lizbeth Thomas
2. Subin Joseph
3. Anu James
4. Jiji Abraham
5. Lakshmipriya S.
6. Anju Augustine
7. Shobha Sara Varghese

Botany

Two students qualified the UGC-CSIR Test 2010-11

1. Biju George
2. Sijo Mathew

English

The following students cleared the test.

1. Shilpa Mathew
2. Geethu Jose

The following students of previous batches also passed the NET in 2010

1. Sini Jacob
2. Bindu Cherian
3. Ashish Martin Tom
4. Princy Jacob

Commerce

1. Liza Alex M.Com 2011 (NET)
2. Divya Joseph M.Com 2011(NET)

Economics

1. Josia John (NET)
2. Metilda George (NET)
3. Xavier Kurian P (NET)
4. Arunkumar T.A (NET)

7. Initiative towards Faculty Development Programme

The students evaluate the yearly performance of teachers and teachers are given the report for perusal and improvement. Teachers are encouraged to register for Ph.D programme and are also given opportunity to attend seminars. One faculty member has registered for Ph.D programme

8. Total Number of Seminars/Invited Talks Conducted:

Statistics

During 2010-11 seven seminars/workshops were organized by the department. The details are given below.

1. One-day seminar on ``Randomized Clinical Trials’’ – December 4, 2010. Dr. Anil C. Mathew, PSG Institute of Medical Sciences, Coimbatore was the resource person.
2. International Conference on Mathematical Sciences - January 3-5 2011. The conference was inaugurated by Dr. P.K Sen, U.S.A and presided over by Dr. Hans J Haubold from the United Nations Space Division, Vienna. Dr. Bovas Abraham, former Alumnus of the college spoke on the occasion. Professor Constantino Tsallis from Brazil was the chief guest at the valedictory session. About 140 persons participated in the conference of which 20 were foreign delegates.
3. Invited Talk on 7th January 2011. The resource person was Dr. Ionut Bebu, Assistant Professor of Biostatistics, Georgetown University Medical Center, U.S.A. He elaborated on the opportunities for statistics and biostatistics postgraduates in foreign countries, especially the United States.
4. Invited Talk on 24th January 2011. The resource person was Benny Sebastian, Executive, National Stock Exchange, Mumbai. He spoke on the topic “National Stock Exchange- Opportunities for Statisticians”.
5. Training Program in SAS software for M.Sc students. An intensive 4- day training in the statistical software SAS was conducted for the benefit of postgraduate students on 26th, 27th February, and on 5th and 6th March 2011. About 18 final year M.Sc. students participated. The resource persons were Melbin John, Biostatistician ICMR Bangalore and Jose Abraham, Bio-statistical Analyst, Kerala Co., Techno Park, Trivandrum.
6. Three- Day Workshop on Applications of Statistics in Industry, Business and Ecology- 26-28 March 2011. The workshop was sponsored by the Indian Academy of Sciences, Bangalore. Dr. Vijay Nair, Vice-President of the International Statistical Institute, Dr. Anil Gore, Statistical Consultant, Pune, Gijo E.V From ISI Bangalore, Dr. T.V. Ramanathan from Pune University were the chief resource persons. About 100 persons participated in the workshop.
7. Invited Talk on 18th 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”.

Mathematics

One workshop and two invited talks conducted during the year.

Physics

1. "Ozone Day celebration" on 23-9-2010, sponsored by KSCSTE, Govt. of Kerala.
2. Prof. Alok Sharan, University of Pondicherry, delivered lecture on "Non-linear Optics" on 6-8-2010.
3. Dr. V Madhu, Department of Atmospheric Science, CUSAT, delivered lecture on "Ozone Depletion" on 6-8-2010.
4. Organized a five-day national workshop on Maintenance of Electronic Laboratory Equipment in collaboration with WRIC, Mumbai.
5. Organized a one-day acquaintance program and one-day workshop on Computer Interfaced Science Experiments in collaboration with IUAC, New Delhi.
6. Organized a fourteen-day refresher course on Condensed Matter Physics and Statistical Physics in collaboration with Indian Academy of Sciences, Bangalore.

Chemistry

Three invited talks conducted during the year.

Botany

1. Seminar on Natural Rubber
2. Seminar on the Maintenance of Pristine Vegetation in Ecologically Fragile Areas-A check for Climate Change
3. Invited talk by Rev. Dr. Mathew M.M.
4. Invited talk by Dr. Maju T.T.

English

The following invited talks conducted:-

1. On 21.7.2010, Prof. Susan Varghese, H.O.D. , C.M.S. College, Kottayam and Prof. Elizabeth J. Thomas of Mar Thoma college, Thiruvalla interacted with the II P.G. students on ' How to Prepare and Appear for Viva'.
2. Prof. T.R. S. Iyer gave a talk on 'Romantic Novels', to the II P.G. students on 14.9.2010.
3. On 16.11.2010, Mr. Duncan Armitage from the U.K. interacted with the I P.G. students and the teachers of the dept. He is a leading actor in English theatre. He spoke on theatricals.

4. On 17.8.2010 Dr. Cynthia Merita Jose, Raritan Valley Community College, Rutgers Uty, Somerville, New Jersey, gave a talk on “World History through the World of Letters’ to the P.G. and U.G. students for two hours followed by an interactive session.
5. On 21.9.2010 a one-day Awakening Programme was held for P.G. I Semester students in the auditorium. Sri. George Karunakkal of *Prospects*, a Cochin-based international training organization, took classes.

Hindi

Sri. Rama Kaimal noted specialist on Premchand, delivered a talk on the works of Premchand on 20th August 2011. This is the 75th year of the publication of Premchand’s masterpiece “*Godaan*” Dr. P.M. Thomas gave a talk on “Hindi Literature-A Survey” and enlightened the students. Dr. Sakuntala Reddy of Central Institute of Hindi, Hyderabad, spoke to the postgraduate students on Telugu and Hindi literature.

Commerce

During 2010-11 five seminars/workshops were organized by the department. The details are given below:

1. A seminar on Control-Based Audit was conducted by CA. Georgekutty Kolady on 17.6.2010 at 2.30 pm in the Tisserant Hall.
2. A seminar on ‘Global Banking: Issues and Challenges’ was conducted in the Tisserant Hall by Mr. P.A. Sebastian on 18.6.2010 at 2.30 pm.
3. Organised a two-day workshop on Methodology of Business Studies sponsored by KSHEC on 17th and 18th December 2010.
4. A seminar on “Intellectual Property Rights” was conducted on 11th March 2011 which was led by Adv. Benoy K. Kadavan, IPR consultant, and discussions were held on copyright, patent, trademark and other rights.
5. A seminar on “Emerging Trends in International Business” was conducted on 16th March 2011. Prof. Tojo Jose, Govt. College, Manimalakkunnu, was the key speaker.
6. On 17th March 2011, a seminar on “The role of trade unions in banks and global financial crisis” was presented by Mr. P.V Mathew, Manager (Administration), Corporate Planning Department, The Federal Bank Ltd.
7. Arranged an invited talk on Quantitative Techniques on 28th March 2011 by Prof. Jose, SB College, Changanasserry.

Economics

Workshops/seminars/lectures organised during the year:

1. A one-day seminar on ‘Capital Market in India: Prospects and Challenges’ was conducted on 2 December 2010. Dr V K Vijayakumar, Investment Strategist, Geojit PNB Paribas Financial Services was the chief guest.
2. A two-day Induction Programme for I M A students on 14th and 15th September 2010. Prof. P S Mathew and Prof. Rosalind George were the chief resource persons.
3. Inauguration of Economics Association, 4th October 2010. Chief guest Dr. E M Thomas, Associate Prof., Christ College, Irinjalakuda.
4. A two-day Youth Leadership Programme in association with Nehru Yuvak Kendra on 9th and 10th February 2011.
5. Union Budget Analysis and budget analysis presentation competition 3rd March 2011.

Political Science

KSHEC-sponsored workshop on ‘Methodology and Perspectives of Social Sciences’ conducted on 20.11.2010

9. Research Projects:

Statistics

Ongoing : One

UGC Major Research Project on “A sensitivity study of various process capability indices” – Principal Investigator – Dr. K. M. Kurian

Physics

a) Newly implemented:

Dr. Vincent Mathew	Analysis and simulation of plasmonic waveguide structures for sub wavelength applications.	DST	2009-2012	19,02,000
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 films	UGC	2009-2011	45,000
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
Dr.Ison Vanchipurackal	Swift heavy ion induced intermixing of CdTe/CdS bilayers for solar photovoltaic applications.	UGC	2009-2011	35,000
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

Chemistry

New generation anti-microbial coating based on silver nanoparticle dispersed hyperbranched polyglycerols containing multichromophoric groups (No.MRP(S)-473/09-10 KLMG027/UGC-SWR,dtd.30.11.09)	Dr. Sunny Kuriakose	UGC	85,000	2 Yrs Ongoing
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
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
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

The following are the few areas of research work being carried out in the department this year also:

1. Use of soil actinomycetes for production of hydrolytic enzymes
2. Isolation and characterization of inhibitors of lipoxygenase and cyclooxygenase from plants.
3. Studies on the antibacterial properties of chitosan

4. Plant tissue culture for production of secondary metabolites

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

Botany

No. of research guides in the department	: 5
No. of Ph.D. students	: 17
Major projects sanctioned	: one
Minor projects sanctioned	: one
Research publications	: 15

Zoology

‘Antibacterial principles from medicinal plants’

Principle Investigator	: Sr. Dr. Elsa Tom, Dept. of Chemistry, Alphonsa College, Pala
Co-investigator	: Dr. Benny P.J.
Funding Agency	: STED, Govt. of Kerala

English

Ongoing : 2

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

Hindi

- a) Newly Implemented : Nil
- b) Ongoing : 2
1. P.I. - Dr. V.V. Georgekutty
 2. P.I. - Dr. C.K. James

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

10. Patents Generated If Any:

Physics

Applied for one patent

11. New Collaborative Research Programmes:

Statistics

Our faculty and students are collaborating with internationally reputed researchers like Professor A.M.Mathai, Professor Hans J.Haubold (United Nations), Professor Sangitha Kulathinal (Finland), Professor Pit Pitchappan (Saudi Arabia) , Professor Miroslav Ristic (Russia) and Professor V.Kannan (Calicut University). A list of joint research publications with these scientists are given in the publication list from the department. Our faculty members are resource persons in various national and international workshops/seminars as given below:

1. Dr.K.K.Jose gave an invited talk in the workshop on ‘Statistical Distributions and Their Applications in Stochastic Processes, Time Series Modeling and Reliability Analysis’ in the Indian Science Congress held at Thiruvananthapuram on 3-7 January 2010.
2. Dr.K.K.Jose gave an invited talk on ‘Marshall-Olkin Bivariate Weibull Distributions and Their Applications in Reliability and Time Series Modelling’ in the International Conference on Statistical Applications in Informatics at the Dept. of Statistics, Layola College , Chennai on 12-14 January 2010.
3. Dr.K.K.Jose gave an invited talk on ‘Integer valued Autoregressive Processes and Their Applications’ in the International Conference on Statistical Theory and Applications at the Dept. of Statistics, Kuwait University on 22-25 January 2010.
4. Dr.K.K.Jose gave an invited talk on ‘q-Weibull Counting Processes and Their Applications’ in the UGC-sponsored seminar on Applied Statistics at the Dept. of Statistics, Nirmala College, Muvattupuzha on 25-27 February 2010.
5. Dr Sebastian George was the chief resource person for the Seminar on Introduction to Markov Chain Monte Carlo Methods held at University of Calicut 4-5 March 2010.
6. Dr Sebastian George was the chief resource person for the Seminar on New Trends in Applied Statistical Methodology held at Nirmala College, Muvattupuzha 2-27 February 2010.
7. Dr Sebastian George gave invited lectures on Applications of Probability in Biostatistics at the Biostatistics Department of CMC, Vellore from May 6-9 2010.
8. Dr Joy Jacob gave invited lectures on Time Series Modeling at the Biostatistics Department of CMC, Vellore from May 4-6 2011.

9. Dr Seemon Thomas gave invited lectures on Stochastic Process at the Biostatistics Department of CMC, Vellore, from January 11-12 2011.
10. Dr Sebastian George gave invited lectures on MCMC Methods at the Biostatistics Department of CMC, Vellore, from March 6-9 2011.
11. Dr Joy Jacob was the chief resource person in the UGC-sponsored workshop on “Research Methodology and Data Analysis Using SPSS” conducted by the department of Economics, K.E College, Mannanam on 8th and 9th December 2011.

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 Punjab University, Indira Gandhi Centre for Atomic Research, Kalpakkam (IGCAR) and National Physical Laboratory, New Delhi, and 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, and University of Malaya

Chemistry

Dr. Sunny Kuriakose

1. Institut für Organische und Makromolekulare Chemie, Johannes-Gutenberg University, Mainz, Germany

2. Research consultant of Riotech Industries, Kottayam, Kerala, a leading industry in the production of auto paste, putty and other adhesives.

12. Research Grants Received From Various Agencies:

Statistics

1. UGC Innovative Programme : Rs. 3.10 lakhs (releasing)
2. DST-FIST Project : 3 lakhs (released)
3. UGC-Minor Research Projects : Rs.1.25 lakhs (released)

Mathematics

1. Newly implemented : Nil
2. Ongoing : Dr. Sunil C Mathew
Title : The properties of invertible fuzzy topological spaces
Sponsoring Agency : D S T (Rs.198000); Period : 2007-2010-

Major project proposals are submitted to DST and MOSPI.

Physics

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

Chemistry

- DST-FIST Project : Rs. 40 lakhs
UGC Minor Project : Rs. 390000.

Biotechnology

The department being a self-financing department does not qualify for PG grants funding from UGC and the like agencies involved in the field of higher education. However, the department undertakes two projects with financial assistance from UGC and Kerala Science Technology Environment Council. Dr. Prakash Kumar B completed one minor project with a financial assistance of Rs 80,000/-

Botany

Two research projects in collaboration with the Forest Dept of Kerala State have been initiated this year:-

- a. Biodiversity monitoring in protected areas of Kerala
- b. Biodiversity documentation of the protected areas of Kerala

Commerce

In the academic year the department has duly 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.

13. Details of Research Scholars:

Statistics

Sl. No.	Name	Full time/ Part time	Supervisor
1	Ancy Joseph	F.T.	Dr. K. K. Jose
2	E.Krishna	F.T.	- do -
3	Bindu Abraham	F.T.	- do -
4	Manu Mariam Thomas	F.T.	- do -
5	Jane A.Luke	F.T.	- do -
6	Mariamamma K.D.	F.T	-do-
7	Rani Sebastian	P.T.	- do -
8	Remya Sivadas	P.T.	- do -
9	Sreejith V.	P.T.	Dr. Alex Thannippara
10	Dais George	F.T	Dr. Sebastian George
11	Bindu P.P.	F.T.	- do -

Mathematics

Sl. No	Name of the Research Scholar	P.T/F.T	Name of the Guide
1	Rajalekshmi V G	P.T	Dr. M. S Samuel
2	Pradeesh George	F.T	Dr. M. S Samuel
3	Mathew M George	P.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	J.P. Thavamani	P.T	Dr. D S T Ramesh
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

Physics

Sl.No	Name	Full time/Part time	Area of Research	Supervisor
1	Gishamol Mathew	Full time	Quantum Electronics	Dr.Vincent Mathew
2	Anju Babu	Full time	Quantum Electronics	Dr.Vincent Mathew
3	George James	Full time	Quantum Electronics	Dr.Vincent Mathew
4	Saji Joseph	Full time	Quantum Electronics	Dr.Vincent Mathew
5	Jesly Jacob	Full time	Quantum Electronics	Dr.Vincent Mathew
6	Jolly Andrews	Full time	Quantum Electronics	Dr.Vincent Mathew
7	Bhagyaraj c	Full time	Quantum Electronics	Dr.Vincent Mathew
8	Ajith R	Full time	Quantum Electronics	Dr.Vincent Mathew
9	Prince Thomas	Full time	Material Science	Dr. Ginson P Joseph
10	Santhosh Kumar R	Full time	Material Science	Dr. Ginson P Joseph
11	Sreekanth G	Full time	Material Science	Dr. Ginson P Joseph
12	Sunil C Vattapalam	Full time	Material Science	Dr. Sunny Mathew

Chemistry

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

Biotechnology

One research scholar is presently doing Ph.D. work in the department:

Mrs. Jenny Jose: Dual inhibition of LOX & COX: Screening, Isolation and Purification of lead compounds from plants

Botany

Seventeen scholars are currently doing doctoral studies in the department

English

Sl. No.	Name	Full time/ Part time	Supervisor
1	S. Abhilash Mathew	F.T.	Dr. Mathew Joseph
2	Anju K.N.	P.T.	- do -
3	V.R.N. Kokila	F.T.	Dr. Mathew Joseph
4	Rekha Mathews	P.T.	- do -
5	Sophia James	F.T.	- do -
6	Lalitha Joseph	F.T.	Dr. Augustine Joseph
7	Sonia James	F.T.	- do -
8	Babu K.T.	P.T.	- do -
9	Vincent Aerathu	P.T.	Dr. P.J. George
10	Litty Joseph	F.T.	- do -
11	Aswathy Balachandran	P.T.	- do -
12	Asha John	F.T.	Dr. T.T. Thomas
13	Robin Xavier	P.T.	Dr. T.J. Abraham
14	Jaison Davis	F.T.	- do -
15	Benoy Kurian Mylamparampil	P.T.	- do -

16	V.M. Jose	P.T.	Dr. H. Sadasivan Pillai
17	Joseph M.J.	P.T.	- do -
18	Indu K.S.	P.T.	- do -
19	Saroj V. Haridas	P.T.	- do -
20	Sonia Sebastian	P.T.	Dr. Siby James
21	Sherly George	F.T.	Dr. Jessy Maria
22	Suja Rani Mathew	P.T.	Dr. Mathew Joseph
23	Dominic K.V.	P.T.	Dr. George Justine V.
24	Franci Mathew	P.T.	Dr. Siby James
25	Litty Lilly Francis	F.T.	Dr. T.J. Abraham
26	Jose Joseph	P.T.	Dr. Mathew Joseph
27	Sheeba V. Issac	F.T.	- do -

Hindi

Sl. No	Name of Scholars	Full Time/	Name of Guide
1.	Rajani V.A.	”	K.M. Mathew
2.	Preethi R.	”	K.M. Mathew
3.	Dhanya Sadanandan	”	K.M. Mathew
4.	Shija Grace	”	V.V. Georgekutty
5.	Rani Antony	”	Mathew Thomas
6.	Kochurani Joseph	”	Mathew Thomas
7.	Shemi John	”	V.V. Georgekutty
8.	Rajani S.	”	Mathew Thomas
9.	Sandhya B.	”	Mathew Thomas
10.	Swapna Mohan M.R.	P.T.	P.M. Thomas

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	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	P.T.	- do -
15	Prof. Johnson Andrews	P.T.	-do-
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	T.J. Simon	“Electoral Politics and Catholic Presence in Kerala”	Dr. Cyriac Thomas
2	Roy Varghese	“Secularism and the Politics of religious Minorities in Kerala with special reference to Christian community”	-do-

3	S.D.Satheesan Nair	“Planning process in Kerala: the changing Dimensions of decentralization A Socio Political in Kerala”	-do-
4	Binds Kurian	“Pressure Politics and Higher Education Politics in Kerala”	Dr. V.V. Varghese
5	Tomy Joseph	“The Political Empowerment of the Dalits In Kerala: A study on the role of dalit movement in Kottayam District”	Dr. M.M. Mathew
6	Babu Antony	“State Response Towards Human Rights Violations Among Adivasis in Wayanad District”	Dr. M.M. Mathew
7	Joykutty T	“Politics and Development : A study of the LDF Government”	Dr. M.M. Mathew
8	Shaji John	“Kerala’s developmental challenges: the case of reshaping the civil service”	Dr. M.M. Mathew
9	M.M. Mathai	“Grass Root Democracy in Kerala: A case study of Grama Sabhas in Wayanad District”	Dr.M.M. Mathew
10	Rony K. Baby	“Land Politics and Tribal Questions in Kerala: A Study of Idukki District”	Dr. M.M. Mathew
11	Shiji George	“Towards Protecting the Dignity of Women: The Role of Kerala Vanitha Commission”	Dr. P.M. Thomas
12	Bijukumar V. A	“Fisher Women: A study of Kudambashree Project in Alappuzha District”	Dr. P.M. Thomas
13	Muhammed Russey	Empowerment and Devolepment :A study of Women Panchayat Representatives in Kottayam District	Dr. M.M Mathew

14. Citation Index of Faculty Members and Impact Factor:

Statistics

Average : 0.8

Physics

Average : 2, 1.2

Chemistry

Average : 2.5

15. Honours and Awards to the Faculty:

Statistics

Our faculty member Dr. Alex Thannippara was nominated to the Syndicate of M.G.University. A department-level reception was organized in honor of the new syndicate member. The chief guest was Rev. Fr O.C Joseph, Principal, K.E College Mannanam

Botany

1. Dr. Jomy Augustine secured best paper presentation award in an international seminar held at Kalyani University
2. Dr. Jomy Augustine has been felicitated by presenting 'Ponnada' by KCBC Youth Commission at Kochi for his contribution towards conservation of nature.

English

1. Dr. T.J. Abraham nominated as subject expert for the appointment of lecturers in aided colleges under Mahatma Gandhi University, Kottayam.
2. Dr. T.J. Abraham is selected to the editorial board of STARS., the International journal published by St. Thomas College, Pala. Prof. P.J. Johnson was selected as the staff editor of the English section of the college Magazine.
3. Dr. Siby James was nominated to the souvenir committee of St. Mary's Higher Secondary School, Pala.

Physical Education

1. Sri. Ashish Joseph served as the member of the M.G. University selection committee for selection of athletes to represent the university in events like swimming & water

polo and he also acted as the team manager of the Mahatma Gandhi University athletic team that took part in the championship held at Kakatiya University, Warangal.

16. Internal resources generated:

Physics

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

Chemistry

Consulting Services: Rs. 30,000

Commerce

Com arena receipts Rs. 1, 61,480

Commerce Forum receipts Rs. 18,000

17. Details of Departments Getting SAP, COSIST / DST. FIST, etc.

Assistance/Recognition:

Statistics

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

Chemistry

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

Botany

DST sanctioned an amount of Rs.40.5 lakhs for the overall development of the department for the next five years.

18. Community Services:

Statistics

Dr. K.K. Jose is the Joint Treasurer of St. Vincent De Paul Society, Palai CC and PTA President of Alphonsa College, Palai. Dr. Benny Kurian serves as Secretary/Treasurer of various clubs like Y's Men's International, Rotary International, YMCA etc. and is involved in various community services. Dr. Alex Thannippara is general secretary of Fr. T.C. Joseph Thannippara Trust for Education.

Mathematics

Our teacher Prof. Thankachan Augustine is the programme officer of the National Service Scheme. Prof. J Chandramohan is the controller of internal examinations in the college. Dr. V. K Jose is the coordinator of admissions 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 Teacher Association of the Sanjos Public School and Junior College Choondacherry. He is the unit secretary of the Teachers' 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

Prof. C. J. John actively participated in the anti narcotic drive and the collection of funds for feeding and treating poor people. Prof. Jogy Alex is the PTA president of Chavara International Public School, Palai.

Biotechnology

The department is involved in providing assistance to the municipal authorities in collecting details regarding the levels of microbial contamination of Meenachil river water.

Botany

Dr. Jomy Augustine conducted many interactive sessions for students in and outside the college on 'value education'. Necessity for planting trees and environment protection were the themes of the sessions.

English

1. Prof. Cherian Vadakkekunnel is active in training programmes for personality development. He is the Director of Career and Placement Cell of our college which provides career consultancy to outsiders as well.

19. Teachers and Officers Newly Recruited:

Physics

Two new teachers : Mr. Libin Kuriakose and Mr. Antony Simon

Botany

One new teacher : Mr. Bince Mani

Commerce

One : Mr. Tejil Thomas

Economics

Two new teachers : Mr. Allen Zacharias and Mr. Joben Antony

Political Science

One new teacher : Mr. George Joseph

IGNOU

Two new teachers : Ms. Smitha Thomas M.Com. (Guest Faculty)
: Ms. Sonia M. Thomas M.Com. (Guest Faculty)

20. Teaching – Non-teaching Staff Ratio:

Statistics : 10:01

Physics : 09:04

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

More books added to the college library. Library time extended from 8 am to 6 pm.

Physics

Using UG, PG and CPE funds new physics books worth over one lakh rupees were inducted into the library during last year. For P G students, the library is extended to their class rooms themselves. 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

Library time extended (from 8 am to 6 pm)

Botany

Library time extended (from 8 am to 6 pm)

English

Library time extended (from 8 am to 6 pm)

Hindi

Library time extended (from 8 am to 6 pm)

Economics

Library time extended (from 8 am to 6 pm)

History

Library time extended (from 8 am to 6 pm)

Political Science

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

22. New Books/ Journals Subscribed and their Value

Statistics

It is interesting to note that, in this academic year the department has purchased 122 new books, costing Rs. 80086/-

Mathematics

Books worth Rs. 1, 03,053/- were purchased.

Physics

New books/journals subscribed and their value: Rs. 1, 00,000/-

Chemistry

The following is the list of chemistry textbooks recommended by the Chemistry faculty and accessed by the College Library during the year 2010-'11 worth.

Sl. No.	Author	Title	Publisher
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	Universities Press
22.	Sangengurg &	The History of Science from 1895 to 1945	Orient

	Moser		Blackswan
23.	Sangengurg & Moser	The History of Science from The Ancient Greeks to	Orient Blackswan
24.	Sangengurg & Moser	The History of Science in the 19 th Century	Orient Blackswan
25.	Sangengurg & Moser	The History of Science in the 18 th Century	Orient Blackswan
26.	Sangengurg & Moser	The History of Science from 1946 to 1990s	Orient Longman
27.	Ahluwalia	Comprehensive Practical Organic Chemistry: Preparations	Universities 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	Blackwell
34.	Ahluwalia	Green Chemistry	Ane Books
35.	O'Neill	Heterocyclic Chemistry at a Glance	Blackwell
36.	Harwood	Organic Chemistry at a Glance	Blackwell
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	Blackwell
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

			Academic
52.	Gray	Instrumental Methods of Analysis	CBS Publishers
53.	Veszpreni	Quantum Chemistry: Fundamentals to Applications	Springer
54.	Dewan	Organic Spectroscopy	CBS Publishers
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	Checkmark
73.	Tierney	Microwave Assisted Organic Synthesis	Wiley
74.	Duffey	Modern Physical Chemistry: A Molecular Approach	Springer
75.	Wulfsberg	Inorganic Chemistry	Viva Books

English

More books purchased for use in the general library of the college.

Hindi

A total of 198 books purchased. Total value is Rs. 1 lakh.

Commerce

In the academic year the department has procured 185 new books costing Rs. 63086/-

Economics

A total of 186 new books purchased and three new journals subscribed costing Rs. 125460/-

History

Books worth Rs. 25000/- purchased

Political Science

During the 11th Plan (2010-11) of the UGC the department has purchased books worth Rs.100806. The total value of purchased books comes up to an amount of Rs. 2.5 lakhs during the year 2007-2012.

23. Courses in Which Student Assessment of Teachers are Introduced and the Action Taken on the Student Feedback:

Statistics

1. In M.Sc. programmes student assessment was introduced and teachers take individual and collective effort to implement student suggestions through class tests, special classes, remedial teaching etc.
2. The department is providing remedial classes for those students who are academically weak. Dr. Joy Jacob, Dr. K.M. Kurian and Dr. Seemon Thomas engaged remedial classes under the UGC-sponsored 'Remedial Class Program for SC/ST Students'.
3. 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.

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. After each examination, the students are asked to give in writing the suggestion about the question pattern, topic-wise distribution of questions etc.

Biotechnology

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

Botany

M.Sc. and B.Sc. Botany: A detailed Performa was designed in this regard and distributed among the students. Discussions on students' feedback were held in the departmental meetings and necessary steps on their comments were implemented.

English

Student assessment has been introduced in all classes. Both PG and UG students have recorded appreciation of the performance of teachers. Constructive suggestions made by students have been implemented in the pedagogy. Students who need special attention are identified and taken care of.

Hindi

In P.G. and U.G. programmes student assessment was introduced. Teachers take special interest to implement students' suggestions through class tests, special classes, remedial teaching etc.

Commerce

1. 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.
2. 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'.

3. 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 based on the suggestions from the students.

History

In all courses student assessment is introduced. Teachers give special care for slow learners.

Political Science

Students' feedback is collected and appropriate action is taken.

Physical Education

Students' feedback is collected and appropriate action is taken.

IGNOU

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

24. Unit cost of Education

Statistics

Rs.32000/- per student

Mathematics

Rs.32000/- per student

Chemistry

Rs.32000/- per student

Biotechnology

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

English

Rs. 32000/- per student

Hindi

Rs. 46,000 per student.

Economics

Unit cost of education: Rs. 32000/- per student

25. Computerization of Administration and Process of Admissions and Examination Results, Issue of Certificates:

The process of admission is as stipulated by the university. Conduct of examinations and declaration of results of each semester is also done by the university. The college does 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 partially computerized.

26. Increase in Infrastructure Facilities:

Statistics

Depending on the need infrastructure was improved.

Physics

Neat, clean and furnished classrooms and 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 up gradation of the infrastructure. The sources of funds are the management, state and central government agencies and the projects acquired by the faculty and, in addition to this, funds are 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. The well equipped library of CMS, sponsored by DST, is also accessible to the students and staff in the campus. Free internet facility is there in the campus both for students and staff.

Chemistry

The recent financial assistance to the Department of Chemistry under the 'FIST Program 2008' from the Department of Science & Technology (DST), Government of India to strengthen postgraduate teaching and research facilities, has a component of Rs. 5 lakhs for renovation of laboratories. By utilising this assistance as well as the Rs. 2 lakhs obtained from the UGC in 2010, the two postgraduate laboratories in the department have been completely renovated by laying vitrified tiles on the floor and completely replacing the water, waste water, electric and gas connection fittings.

Recently (21-25 June 2010), the Department of Physics of the College organised a 'Workshop on Maintenance of Electronic Laboratory Instruments' in association with the Western Regional Instrumentation Centre, Mumbai (A National Facility Centre of the UGC). By making use of this opportunity, the department got a number of electronic instruments used for physical chemistry experiments repaired free of cost.

During 2010-'11, the Department of Science and Technology, Government of India has sanctioned a sum of Rs. 50,000/- towards the maintenance of equipments sanctioned under the DST-FIST Programme (Ref. DST Sanction Order No. SR/FST/CSI-183/2008 dated 10/12/2010).

Biotechnology

Internal evaluation and grading are computerized. Internal evaluation forms are available in the website of the college.

Botany

Internal evaluation and grading are computerized. Internal evaluation forms are available in the website of the college.

27. Technology Upgradation

Statistics

Six computers are installed. LCD projector introduced. Students and teachers have access to computers and internet in the department, library and at the computer centre.

Mathematics

PC's were repaired and upgraded.

Physics

All instruments were repaired and upgraded

Chemistry

The Department of Chemistry attaches utmost importance to the proper maintenance of infrastructure including classrooms and laboratories. Proper maintenance of the infrastructure is carried out by the non-teaching staff under the supervision of the management, principal and the faculty. The maintenance grant received from the state government and funds from the management are utilised for this purpose.

Biotechnology

The introduction of a Certificate Course in Bioinformatics made it necessary to improve the technology. The need is met by a collaborative arrangement with the Department of Biostatistics.

English

More computers and LCD projector purchased

Hindi

More computers and LCD projector purchased

Commerce

Six computers are installed. LCD projector introduced. Students and teachers have access to computers and the Internet in the department, the library and at the computer centre.

Economics

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

Political Science

Broadband facility is made available in the department and P.G. classes.

28. Computer and Internet Access and Training to Teachers and Students

Statistics

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 opportunities for ICT-aided seminars.

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

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

Botany

The department has a computer room with three computers. Access to these computers is given free for students. Internet facility is newly provided to the department.

English

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

Commerce

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

Political Science

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

Physical Education

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

IGNOU

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

29. Financial Aid to Students:

Statistics

1. KPCR scholarship – 12 (full fee concession)
2. UGC merit scholarship for rank holders – 2 (40000 X 2 = Rs.80000)

Mathematics

1. KPCR scholarship - 22 (full fee concession)
2. Dr. P J Thomas scholarship -1

Physics

Financial help arranged to the needy students on request. Financial assistance to students for carrying out their projects is arranged from governmental agencies like KSCSTE. This year four of our students were given financial assistance by KSCSTE.

Chemistry

1. KPCR scholarship
2. Indira Gandhi Scholarship for Single Girl Child
3. Endowments

Biotechnology

Apart from university scholarships available to meritorious students, the department encourages the students to apply for the UGC-sponsored Indira Gandhi Fellowship for Single Girl Child and other such fellowships available. The P.T.A-sponsored merit scholarship is made available to the students. The college also helps students obtain bank loans for their studies.

Botany

Even though there is no common arrangement at the department level the poor students are helped by the teachers as and when financial help is needed. They provide assistance from the poor student aid fund also.

English

1. PTA merit scholarship for rank holders -1
2. PTA scholarship-5
3. Indira Gandhi Scholarship for Single Girl Child- 1

Hindi

1. KPCR scholarship – (Full fee concession)
2. PTA merit scholarship for rank holders – 1
3. PTA scholarship – 2
4. Indira Gandhi Scholarship for Single Girl Child – Nil
5. Endowments – 2

Commerce

K P C R Scholarship		
Class	No. of Students	Amount
III B. Com.	11	7260
II .B. Com.	17	11220
I B. Com.	13	8580
II M. Com.	2	1320
I M.Com.	1	660
Total (Rs. 660 per student)	44	29040
Special Scholarship for OBC/ST/SC Students		
III B. Com.	8	38000
II .B. Com.	12	57000
I B. Com.	13	61750
II M. Com.	3	14250
I M.Com.	4	19000
Total (Rs.475 per student per month for10 months)	40	190000

Economics

K P C R and other Scholarships		
Class	No. of Students	Amount(Rs)
III B.A. Economics	24	15840
II .B. A. Economics	30	19800
I B.A. Economics	31	20460
II M. A. Economics	19	20900

I M. A. Economics	16	17600
Total	120	94600

History

1. KPCR scholarships : 15 (full fee concession)
2. Merit scholarship : 1

Political Science

KPCR Scholarship : 10

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.

The Department organizes three endowment lectures:

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

Physical Education

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

30. Activities and Support from the Alumni Association:

Statistics

Active alumni association. They sponsor a quiz competition in the name of late Prof. K. Ramakrishna Pillai.

Mathematics

Alumni association is active. They sponsored a quiz competition in the name of Prof. K. Mathew T. Mathaikal.

Chemistry

Active alumni association. Dr. Jose K. Xavier is the secretary of the association

English

The alumni have close contact with the department. They supported the mega alumni meet, NOSTALGIA financially with enthusiastic participation and cooperation in the programme. Three of our PG alumni presented papers before the present PG students.

Hindi

The alumni render active support to academic and co-curricular activities of the department.

Commerce

Established St. Thomas College Commerce Alumni Association (STCCAA) and got it registered as a society under the Charitable Societies Act with the reg. number K.31/11 dated 09.02.2011. A mega meeting of the alumni was conducted in connection with the inauguration of the association. More than 400 alumni participated in the programme. Mr. K.J. Mathew IAS, former Chief Secretary of Kerala, inaugurated the alumni association. Mr. Jose Mamparampil, Prominent industrialist was elected as the first president of the association and C.A. Jomon K. George was elected as the secretary. An executive committee was also constituted.

Alumni-Academia Interactive Programme

It is an innovate 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. Under this scheme two seminars have been organized this year.

1. **Seminar on ‘Control-Based Audit’:** A seminar on ‘Control-Based Audit’ was conducted by C.A. Georgekutty Kolady on 17.6.2010 at 2.30 pm in the Tisserant Hall.
2. **Seminar on ‘Global Banking: Issues and Challenges’:** A seminar on ‘Global Banking: Issues and Challenges’ was conducted in the Tisserant Hall by Mr. P.A. Sebastian on 18.6.2010 at 2.30 pm.

Induction Programme

An evening programme (**ComNox**) was conducted on 28/1/2011 to give STCCAA membership to all senior students in B.Com. and M.Com. Classes. Fifty-two 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 in a year

Physical Education

The alumni association has a separate alumni forum for sports and they have instituted Prof Jose Kokkad Memorial Endowment for the outstanding sportsperson of the year.

31. Activities and Support from the Parent-Teacher Association

Statistics

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

Physics

PTA meeting is held for all the classes.

Chemistry

After every term/internal examination, we arrange 'Meet the Parents Programme' for all classes

English

PTA gives scholarship to the best student in every batch.

Hindi

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

Commerce

The department arranged parents' meet on 25th September 2010 for II B.Com. Students. Parents' meets of I and III B. Com. Students were held on 17th February and 24th January 2011 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.

Political Science

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

Physical Education

The Parent Teachers Association provides wholehearted support for the development of sports and games in the college. Apart from the bearing boarding charges of the students, merit awards are given by the PTA to the Best Sportsperson and Best Athlete annually.

IGNOU

Conducts PTA meeting twice in a year

32. Health Services

Statistics

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

Mathematics

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

Physics

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

Chemistry

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

English

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

Hindi

Health orientation classes and timely nursing care were provided to students.

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 members, Prof. K.V John. It gives opportunity to students and teachers to give the most valuable health/social service.

Economics

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

History

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

Political Science

A health centre and doctors-on-call service is provided. The college maintains a tie-up with the nearby hospital, Marian Medical Centre. Common medical facilities are available to the students

33. Performance in Sports activities:

English

The College teams (wrestling, basket ball, and athletics) won several matches at University, State and National levels. Students of the department were members of the teams.

Hindi

The college teams consisting of students of the department (wrestling, basket ball, and athletics) won several matches at university, state and national levels.

History

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

Political Science

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

Physical Education

a) Performance at All India Inter-University and National Level Competitions

Sl.No	Name	Event	Date & Venue	Performance
1	Aswin Kumar	Decathlon	December 2010 Kakatiya University, Warangal	Silver
2	Dileep	4x400	December 2010	Gold

	Venugopal		Kakatiya University, Warangal	
3	Jaimon K C	4x400	December 2010 Kakatiya University, Warangal	Gold
4	Vijith Vijayan	400 H	December 2010 Kakatiya University, Warangal	Participation
5	Anoop	Pole Vault	December 2010 Kakatiya University, Warangal	Participation
6	Sumesh	Cross Country	Hmu Gharwal	Participation
7	Nibu T Ninan	Shot Put	December 2010 Kakatiya University, Warangal	Participation
8	Nibu George	110 H	-do-	Bronze

b) Performance of The College at The M.G. University Inter Collegiate Competitions

This year we fielded teams in 10 events in the intercollegiate championships.

Sl.No	Event	Venue	Performance
1.	Cross Country	MA College Kothamangalam	Runner Up
2.	Swimming	Lncpe, TVM	Runner Up
3.	Water Polo	Lncpe, TVM	Runner Up
4.	Athletics	Maharajas Ernakulam	Runner Up
5.	Cricket	CMS Kottayam	Participation
6.	Football	Marthoma Thiruvalla	Participation
7.	Powerlifting	SD College Kanjirapally	Winner
8.	Volleyball	Catholicate College	Participation
9.	Bodybuilding	SD College Kanjirapally	Winner

34. Incentives to outstanding Sportspersons:

Free boarding and accommodation are given to outstanding sportspersons. The Parent Teachers Association provides wholehearted support for the development of sports and games in the college. Apart from the boarding charges of the students, merit awards are 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.

35. Students Achievements and Awards

Statistics

1. Research scholars Uma P. and Ancy Joseph took Ph.D.
2. Shamna Safar secured II Prize in the on-the spot essay competition conducted by the Ministry of Statistics, New Delhi.
3. Abin John secured II Rank in M.G University M.Sc Statistics Final Year Examination May 2010.
4. Anju C.George, Libesh KP and Renjitha Baskaran secured 1st 2nd and 3rd University Ranks in the Final Year M.Sc Biostatistics Examination held in May 2010.

Mathematics

Two postgraduate students of our department qualified the UGC-CSIR National Eligibility Test for Lectureship held during June and December 2010 and one graduate student qualified the entrance test for M. Sc, programme at Central University, Hyderabad. The list is given below.

1. Ms. Elizabeth Augustine (UGC-CSIR National Eligibility Test for Lectureship)
2. Ms. Tessymol Sebastian (UGC-CSIR National Eligibility Test for Lectureship)
3. Mr. Geomon Cherian (M.Sc. programme entrance test)

Physics

1. Edwin Tom Jose B.Sc. First Year – DST Inspire Fellowship.
2. Won four First Prizes out of five inter-collegiate quiz competitions held in Kerala.

Chemistry

- | | |
|-------------------|-----|
| 1. Lizbeth Thomas | NET |
| 2. Subin Joseph | NET |
| 3. Anu James | NET |
| 4. Jiji Abraham | NET |

- | | |
|-------------------------|-----|
| 5. Lakshmipriya S. | NET |
| 6. Anju Augustine | NET |
| 7. Shobha Sara Varghese | NET |

Botany

UGC-CSIR tests: Two students qualified

Hindi

Prameela S. - MA Hindi IInd Rank (2010)

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 in business quiz, product launching, photography, gaming etc.

Political Science

- | | |
|-----------------|--------------------------------|
| 1. Jobin C | -I Rank, MA Political Science |
| 2. Leena Joseph | -II Rank, MA Political Science |

36. Activities of Guidance and Counselling unit:

Statistics

Three faculty members are approved /qualified counsellors and they provide counselling service.

Mathematics

Prof. J. Chandramohanam is the coordinator of guidance and counselling in the department.

Special care for weak students:

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 counselling 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. The respective teacher will find time to equip him/her with the problem solving capability in the particular subject.

If a student is still found weak he/she may be directed to attend special tutorial sessions conducted usually in the after-hours of the day by specific teachers. In this case the teacher is 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 in charge of the N.S.S as program officer organizing various guidance programs for the students. Also he is the RACS (Research Analysis and Consultancy Services) Cell coordinator organizing programs to create scientific awareness among students.
2. Dr. Ison Vanchipurackal is working as the coordinator of cultural activities in the college organizing various cultural programmes to promote the artistic talents of the students. Also, he was the coordinator of Keltron's computer hardware course in the college.

Chemistry

Students are supported with career counselling for placements and higher studies. This will help them to find excellent institutions for higher studies in India and abroad as well as to find better placements in the academic, R&D, and industrial sectors.

Botany

The dept provides regular counselling support to needy students.

English

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

Hindi

One faculty member is an approved and qualified counsellor and provides such service.

Commerce

Dr. V. V. Georgekutty is a certified counsellor. All faculty members provide need-based counselling to students

Economics

Qualified counsellors give their services to the needy students.

Political Science

The tutors provide proper guidance and counselling. Students who need more guidance and counselling are sent to the official counsellor of the college.

37. Placement Services Provided to Students:

Statistics

Placement services are provided to students.

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 two IT companies have come forward with interest in conducting campus interviews especially for the maths department.

Physics

Mr. Chinjal George of III DC physics, and Miss. Nimmy Kurian of II P.G. have been selected as clerks in South Indian Bank. Miss Theresa Alphonsa Jose and Mr. Dainy Sebastian were selected as probationary officers in Federal Bank.

Chemistry

The following activities are undertaken by the teachers in charge of the career guidance and placement cell in the department.

1. Display of articles and advertisements related to higher studies and job opportunities on the department notice board.
2. Organisation of career orientation classes for the students.
3. Conduct of coaching classes for joint CSIR-UGC test for JRF and Lectureship.
4. Organization of intensive coaching programmes for students keen on placement after their graduation/post graduation.
5. Organization of campus interviews for students of the final year degree/post graduate classes.

Biotechnology

1. Binu Jacob: Scientific database curator, Jubilant Biosys, Bangalore
2. Sijo Jose: Lab- in- Charge (Biotechnology division), Peerumadu Development Society, Kanjirapally, Kerala.
3. Unnikrishnan. R: Lab- in- Charge (Microbiology division), Amrutham Bioorganic Research and Development, Wadakancherry, Kerala.
4. Jitha Thomas: Research Associate, Semler Research Institute, Bangalore.

5. Deepa Sebastian: Research Assistant, Kerala Agriculture university, Vellanikara, Trichur, Kerala.
6. Remya Vyasan: Guest Lecturer, Department of Biotechnology, S.N College, Kumarakom, Kerala
7. Remya Mani: Trainee scientist (Molecular Biology and Plant Physiology Division), Rubber Research Institute of India, Kottayam, Kerala
8. Ambily. P.K: Trainee scientist (Molecular Biology and Plant Physiology Division), Rubber Research Institute of India, Kottayam, Kerala
9. Maneesh Kylas: Trainee scientist (Biotechnology Division), Rubber research Institute of India, Kottayam, Kerala
10. Shaimol Manuel: Trainee scientist (Biotechnology Division), Rubber Research Institute of India, Kottayam, Kerala
11. Sanju. C.R: Trainee scientist (Biotechnology Division), Rubber Research Institute of India, Kottayam, Kerala
11. Sheethal Ann Mathews: Trainee scientist (Biotechnology Division), Rubber Research Institute of India, Kottayam, Kerala
12. Lekshmi M Nair: Guest Lecturer, Department of Biotechnology, S.N College, Kumarakom, Kerala
13. Juna Beegum: Project Associate, Central Tuber Crops Research Institute, Sreekariyam, Kerala.
14. Jojo Jose: Lab- in- charge (Biotechnology division), Malanadu Development Society, Kanjirapally, Kerala
15. Abhilash T.S: Clinical Research Associate, IFCR, Ernakulam, Kerala
16. Beena R: Clinical Research Associate, IFCR, Ernakulam, Kerala
17. Meera George: Clinical Research Associate, IFCR, Ernakulam, Kerala
18. Remya S: Clinical Research Associate, IFCR, Ernakulam, Kerala
19. Soja Nazir: Clinical Research Associate, IFCR, Ernakulam, Kerala
20. Swapna P. Stantly: Clinical Research Associate (Trainee), IFCR, Ernakulam, Kerala
21. Gena Annie Cherian: Quality Control Officer, Sancrose Pharmaceuticals, Mavelikara
- 22 Vidhya S. Quality Control Officer, Labmate India, Chennai

- | | |
|-------------------|--|
| 23. Tomsy Thomson | Project associate, Agriculture University, Trichur |
| 24. Elizabeth | Project associate, CUSAT |
| 25. Nishi Susan | Project associate, NCL, Pune |
| 26. Divya Mohan | Guest Lecturer, Department of Biotechnology, S.N College,
Kumarakom. Kerala |
| 27. Chitra J.S. | JRF, JNU, Delhi |
| 28. Rince John: | JRF, Delhi University |
| 29. Chandrababha | Lecturer, Department of Biotechnology & Applied Microbiology |
| 30. Sajini S. | Lecturer, Department of Biotechnology & Applied Microbiology |

Botany

Career counselling provided to all 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.

38. Development Programme for Non-teaching Staff:

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

39. Healthy Practices of the Institution

Statistics

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

Quiz Competitions

1. Professor K. Ramakrishna Pillai Memorial Quiz competition- 16th February 2011

The All Kerala Statistics Quiz Competition for the Prof. K. Ramakrishna Pillai Memorial Trophy was conducted on 16th February 2011. Ten teams participated in the quiz. The team consisting of Rosmi Jose and Dhanya Thomas of Nirmala College, Muvattupuzha, won the first prize. The prizes and trophies were distributed by Rev Fr O.C Joseph, Principal, K.E College, Mannanam.

2. Statistics Storm Quiz on March 28 2011

All Kerala Statistics Quiz Competition was conducted on 28th March 2011. Twenty teams participated in the quiz. The resource persons were Vrinda, Joglikar and Jyothi from Hislop College, Nagpur. The first prize was won by Nirmala College, Muvattupuzha, the second prize was secured by St. Thomas College Pala, and the third prize won by Alphonsa College, Pala. The prizes were distributed by Dr. Vijay Nair, Vice President of International Statistical Institute.

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 is followed by revision sessions. Special classes (zero hour, Saturday hours) are conducted. Maintains proper discipline inside and outside the classrooms. Parents meet and reporting the performance of the students are done.

Physics

Detailed discussions are held before planning the programs and their collective implementation.

Chemistry

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

Biotechnology

Work distribution among faculty members to help speedy implementation has been introduced. Evaluation of learning-teaching process is strictly followed by implementation of internal assessment. Teacher evaluation by students is an important method adopted to generate considerable improvement in teaching process. This has helped in increasing the level of performance of the teachers. As far as practicals are concerned utmost care is taken to see that the students get complete knowledge of modern techniques to make them ready for pursuing a research career or further their academic growth. Work hours in the department are between 9.00 A.M. and 6.30 P.M. Tutorial system is followed.

Research aptitude is inculcated in students by making the students participate in seminars and workshops. Participation of students in extracurricular activities, like blood grouping camps, water testing and cleaning programmes and the conduct of mushroom cultivation training programmes is encouraged.

English

There is close relationship among the teachers and students of the department. The teachers maintain a very good relation with the students and teachers of other departments also.

Hindi

Regular staff meetings are convened and duties assigned to teachers for each and way programme.

Economics

Regular staff meetings were convened.

Political Science

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

40. Linkages with National / International, Academic / Research

Bodies

Statistics

We have some joint work with the faculty at the Dept. of Biostatistics, Christian Medical College, Vellore. Our faculty members help them in many theoretical studies and the faculty members of CMC Vellore help us in advanced statistical computing using SAS and R. We have also established linkage with the faculty members in the Dept. of Biostatistics, University of North Carolina, USA and Tuft University, USA.

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 the University of Delhi (Dr. P.Arun and Dr. A.G.Vedeshwar).
	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,

Dr. Ison V Vanchipurackal	Indira Gandhi Centre for Atomic Research, Kalpakkam (IGCAR) National Physical Laboratory, New Delhi and IISER Trivandrum.
Dr. Ginson P Joseph	Dr.Ginson P. Joseph has collaboration with the Department of Physics, Delhi University, Cochin University of Science & Technology, Raman Research Institute, Loyola College, University of Hyderabad and IGCAR, Kalppakkam and the University of Malaya

Chemistry

Collaborations on the basis of MOU are not operative at present. However, we establish and maintain 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 our 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

Botany

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

1. Tropical Botanical Garden and Research Institute, Thiruvananthapuram.
2. Non Wood Forest Produce Division, Kerala Forest Research Institute, Kerala.
3. Department of Botany, University of Calicut, Kerala.
4. Rubber Research Institute of India, Kottayam, Kerala.
5. Forest Department, Kerala State
6. National Bureau of Plant Genetic Resources, Thrissur, Kerala.
7. National Biodiversity Strategy and Action Plan (NBSAP), New Delhi.
8. Rajeev Gandhi Centre for Biotechnology, Thiruvananthapuram
9. Thampan Mavida Medical Centre, Pala

10. Foundation for the Revitalisation of Local Health Traditions, Bangalore
11. Nagarjuna Herbal Concentrates, Thodupuzha, Kerala
12. Centre for Environmental Management of Degraded Ecosystems, University of Delhi.
13. Periyar Foundation, Thekkady, Kerala

Hindi

Linkage with Central Institute of Hindi, New Delhi under Human Resources Ministry.

Political Science

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

41. Any Other Relevant Information the Institution Wishes to Add

Please refer appendices.

Part C

Statistics

Details of the Plans of the Institution for the Next Year

Duties Assigned

- | | | |
|---|---|----------------------|
| 1. Head of the Department,
General Co-ordination and Supervision | - | Dr. Joy Jacob |
| 2. Statistical Association | - | Dr. K. M. Kurian |
| 3. Placement, Personality Development Cell,
Intercollegiate Competitions | - | Dr. Seemon Thomas |
| 4. Extension Activities | - | Dr. Sebastian George |
| 5. Admissions, Support to Students | - | Dr. Alex Thannippara |
| 6. Department Secretary | - | Dr. Benny Kurian |
| 7. UGC Test Coaching | - | Dr. Seemon Thomas |

Proposed Activities in 2011-12

1. Duty allocation among faculty members (June)
2. Model viva along with model exams for IV semester M.Sc. students (June)

3. Preparation of Internal Academic Audit reports and allied annexure and files. (July)
4. Admissions – July & August
5. Organizing a national seminar, workshops and invited talks by eminent academicians, and practicing chartered accountants.
6. Preparations for NAAC visit
7. Centralized mid-term test paper by the department in July and November.
8. Statistics Association Inauguration - August
Seminar/Workshop/Invited Talks -
Onam Celebration - September
Valedictory - March
9. Parents' meet - Twice in an academic year (Class teacher - in charge)
I M.Sc. - November
II. M.Sc. - October
10. Study tour for II M.Sc. (January)
11. Result analysis (January)
12. Academic audit – March
13. Vision 2020
14. Synopsis presentation of II. M.Sc. students (March)
15. Prof. Ramakrishna Pillai Memorial All Kerala Quiz Competition.
16. Remedial classes, support to weak students and motivation to outstanding ones identifying weak students, promoting enterprising ones etc.

Mathematics

Detailed Plan for the Next Year is stated below:-

1. Conduct problem solving contest for bright students and remedial classes for weak students
2. Coaching classes for UGC-CSIR- N.E.T. Classes will be arranged for general science and mathematics.
3. Counselling, Career Guidance and Placement Cell to be strengthened
4. More seminars and invited talks to be arranged.
5. Publication of a journal of international standard.
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.
9. A workshop on the newly introduced CBCSS system for U G programs is to be arranged
10. Organize a three day Mathematics Awareness Programme for plus two students
11. Scholarships to deserving students on merit-cum-means basis.
12. New infrastructure in B.Sc. classrooms
13. More seminars and invited talks to be arranged.
14. Involve the students in social activities
15. Organize leadership training programmes/camps.

Physics

Detailed Plans of the Dept. for the Next Year:

Departmental IQAC meetings held on 31-03-2011 chalked out the programs to be implemented in the coming academic year.

1. The meeting decided to start two more research divisions in material sciences and decided to find suitable rooms for the same.
2. To enhance reading habit among students and to deepen their knowledge in physics, the meeting decided to implement the program, SYP- Sharpen Your Physics.
3. The meeting decided to host a GMW for young scientists sponsored by the Department of Science and Technology – DST.
4. The meeting also decided to organize more seminars and invited talks for the benefit of both the students and teachers.

The meeting decided to strengthen the activities of Physics Associations and the PTA.

Chemistry

1. Renovation and modernization of UG and research laboratories.
2. Proper maintenance of sophisticated instruments such as IR spectrophotometer, UV-Vis spectrophotometer etc.
3. Decided to organize more seminars and invited talks for the benefit of both the students and teachers
4. Recognition/awards to alumni who make achievements in their field of work.
5. Scholarships to deserving students on merit-cum-means basis.
6. Decided to strengthen the activities of the Chemistry Association and the PTA

Biotechnology

1. Improving infrastructure facilities by procuring modern instruments for improving the levels of practical skill of the students
2. To conduct more interaction between biotechnology industries and the department
3. The existing computer facilities and internet linkage need to be enhanced
4. Purchase of software for bioinformatics

Botany

1. Setting up of a computer lab with network, allowed free to students.
2. Modernization of labs, classrooms, etc.
3. Assess the EFL status of various places in Kerala State.
4. 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
5. Identifying plant species with high carbon dioxide assimilating potential
6. Studies on the phytochemical parameters and analysis for the delimitations of Plant Taxa (Phytotaxonomy) including the finding of new plant-borne chemicals
7. Study of the genetic diversity of selected groups especially medicinal and crop plants
8. *Ex-situ* conservation of rare and threatened endemic plants
9. In vivo conservation of the gene pool of medicinal plants and wild relatives of crop plants
10. Exploration of soil micro flora and bacteria and assessment of soil and water quality
11. Audio-visual documentation of plant diversity including bacteria and soil micro flora are the main categories
12. Involvement of students of PG and UG courses in the field of plant science research.

Zoology

1. Further modernize the B.Sc. lab
2. Acquire at least 5 more computer terminals for conducting the computer practical
3. Acquire an LCD projector and a lap top
4. Equip the department to meet the challenges and potentials of the credit and semester system in the degree course which is going to be introduced soon.

English

Plan of Action for 2011-'12

1. Peer teaching as a healthy practice.
2. Give research orientation to the students.
3. Revitalize and extend the activities of the Literary Association.
4. Organize inter-departmental activities.
5. Improve parent-teacher-student relations.
6. Improve the evaluation process.
7. Monitor the attendance of the students more effectively.
8. Organize a national/international seminar.
9. Have more invited talks.
10. Organize social awareness programmes for students.
11. Focus on the personality development of the students.
12. Focus on paper presentations and publications by teachers.
13. Motivate the students to attend seminars and take part in competitions.

Hindi

Plan of Action for 2011-12

1. Publication of Hindi research journal - "Sodh Kshitij".
2. To conduct invited talks.
3. Celebration of Hindi Week.
4. Study tour for P.G. students.
5. Research orientation for P.G./Research students.
6. Conduct remedial classes for SC/ST weak students.
7. Presentation of Ph.D. abstracts by research scholars.

German

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

Syriac

To make proper arrangements for visiting places of Syriac inscriptions by the students.

Commerce

Duties Assigned

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

Proposed Activities in 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 reports and allied annexure and files. (July)
5. Peer teaching by II PG (III sem.) students in II B.Com. (Aug)
6. Admissions – July & August
7. STCCA annual general meeting (July)
8. Organizing a national seminar, 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
12. Onam celebration - September
13. Com Arena-‘11 (Inter Collegiate Commerce Fest) - December
14. Christmas Celebration - December
Valedictory - March
15. 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	

16. Study tour for III DC (November) and II M Com (January)
17. Result analysis (January)
18. Induction programme (ComNox) (February)
19. Academic audit – March
20. Vision 2020
21. Synopsis presentation of II. M.Com students (March)
22. B.Com. project preparation and model viva voce (April)
23. Prof. Philip John Endowment
24. Remedial classes, support to weak students and motivation to outstanding ones identifying weak students, promoting enterprising ones etc
25. Staff tour (January)

Economics

1. Diamond Jubilee celebrations of the department
2. Intercollegiate debate competition on the topic ‘FDI in Retail Trade-Is it Desirable?’ on 16th February 2012.
3. ‘Eco Fiesta- 12’ – Cultural fest of the students.
4. Union Budget analysis in March 2012.

History

1. Special training for competitive exams.
2. Scholarships to meritorious and deserving students.
3. Remedial coaching to degree students.
4. A series of short term workshops and seminars to be conducted.

Political Science

1. The Quality Study Circle consisting of faculty members and research scholars of the department will conduct open discussion forums. These will be documented and published.

2. The department will encourage as many faculty members as possible to participate in orientation/ faculty improvement programmes , seminars, workshops etc.
3. A one-day seminar is proposed in collaboration with Kerala Institute for Local Development Authority (KILA)- for the women panchayat and municipal members.
4. Prof. M.T. Thariyan Endowment Lecture will be conducted every year
5. Prof. N.C. Mathewkutty Endowment Lecture
6. Forum for Great Thought.
7. Special orientation for UGC test and civil service examination etc.
8. Degree students, as part of their syllabus, will be given an opportunity to watch the functioning of the parliament.

Physical Education

1. Renovation of the swimming pool
2. Construction of an indoor stadium
3. Maintenance of the playfield
4. Starting of a new course in sports journalism
5. Strengthening the college volleyball and athletic team

IGNOU

1. To further increase student enrolment in the regular batch
2. To reserve 20% seats for women
3. To conduct more extra-curricular and co-curricular activities for the students

NCC (Army)

1. Total number of parades to be conducted is 20.
2. Celebration of Independence Day, Republic Day and NCC Day.
3. Organizing a cycle rally as part of its awareness programmes.
4. Visiting charitable institutions as part of NCC Day celebrations.
5. Arranging training and orientation programmes for cadets.

NCC (Naval)

1. Total parades to be conducted: 20
2. Celebration of Independence Day, Republic Day and NCC Day with march-past and other functions.

3. Organize sailing expeditions.
4. Visiting charitable institutions as part of NCC Day celebrations.
5. Arranging training and orientation programmes for cadets.

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Appendix-1

New DST Major Research Projects Sanctioned

The Department of Science and Technology (DST), Government of India, has sanctioned the following Major Research Projects to the teachers of the College under various schemes, during 2010-2011.

Sl.No.	Name of the Principal Investigator	Project Title	Approved Grant and Period
1	Dr. Ginson P. Joseph (Dept. of Physics)	Studies on the electrical, thermal and non-linear optical properties of metal substituted and swift heavy ion irradiated organometallic crystals	Rs. 20,00,000/- (2010-2013)
2	Dr. IsonV. Vanchipurackal (Dept. of Physics)	Functionalization and colloidal processing of morphology and composition controlled PbX (X=S, Se) nanocrystals and investigating their inter-coupling for quantum dot sensitized solar cells	Rs. 20,00,000/- (2011-2014)

Dr. Ginson P. Joseph Awarded DST Major Research Project

Dr. Ginson P. Joseph (Department of Physics) has been awarded a Major Research Grant worth Rs. 20 lakhs for the project titled "Studies on the electrical, thermal and non-linear optical properties of metal substituted and swift heavy ion irradiated organometallic photonic crystals" by the Department of Science and Technology (DST), Government of India, under the Fast Track Scheme.

Materials which can generate highly efficient, second harmonic blue-violet light using laser diodes are of great interest in applications such as telecommunications, optical computing, optical information processing, optical disc data storage, laser remote sensing, and under-water applications. Recent efforts to generate blue-violet laser light with commercially available laser materials like BBO, LBO, KNbO₃, LiIO₃ and urea were not entirely successful. For example, in

KNbO₃, in spite of its relatively high non-linearity ($d_{32} = 18.3$ pm/V), the shortest wavelength of only 421 nm can be realized and, in addition, at temperature above 40°C the crystal tends to depole and thereby becomes unstable. Similarly, in the case of BBO and LBO, though they are transparent in the near UV range, their NLO coefficient is relatively low to make further progress. The hindrance in using organic NLO crystal of urea for this purpose is attributed to its well known hygroscopic nature. Thus, the shortcomings of the existing laser materials are to be overcome by replacing them with other suitable materials. Diode-based blue-violet lasers have been extensively studied owing to their compactness, high efficiency, low noise and long lifetime. Although much progress has been made in semiconductor blue-violet laser diodes, reliable blue-diode lasers are yet to be commercialized. Hence materials with large second-order optical non-linearities, short transparency cut-off wavelengths and stable physicochemical performances are needed to facilitate the photonics device fabrication and laser-related applications. From earlier investigations, the Principal Investigator came to know that NLO organo-bimetallic crystals do meet most of the desired requirements and can overcome the drawbacks of commercially available laser materials since these crystals have the advantages of high environmental stability, mechanical strength, SHG efficiency and thermal stability. Through this project work, the Principal Investigator hopes that the addition of metals such as Cd, Zn, Mn etc and irradiation by swift heavy ions (Ag, O) will produce electronic excitation in organometallic crystals and thereby make changes in their optical, electrical and thermal properties. The main focus of this project is to study and compare the electrical, thermal and non-linear optical properties of metal substituted and SHI irradiated organometallic crystals.

Dr. Ginson P. Joseph secured his Masters Degree in Physics from the University of Madras as a student of the Madras Christian College, Chennai. Then he joined Loyola College, Chennai, for his doctoral studies and obtained Ph.D. in Physics from the University of Madras. Dr. Ginson was a Post Doctoral Fellow at Delaware State University, Dover, Delaware, USA. He was awarded the UGC - Dr. D. S. Kothari Post Doctoral Fellowship and worked in the Department of Instrumentation at Cochin University of Science and Technology. He joined St. Thomas College Pala in November 2008 as Assistant Professor. Dr. Ginson has to his credit 22 research papers published in reputed international scientific journals and 3 in national journals, and has presented 36 papers in national/international conferences. He is a member of the British Association for Crystal Growth (BACG) and an external examiner for Ph.D. in the University of Madras. He is

recognized as a reviewer of two international journals - Journal of Applied Polymer Science and Applied Physics A: Materials Science & Processing. Presently he is working on NLO Materials and Nanocomposites. Currently, 6 students are pursuing research leading to Ph.D. under his guidance. He has visited and established research collaboration with various universities in USA, Germany, Italy, Hungary, Singapore and Malaysia.

Dr. Ison V. Vanchipurackal Awarded DST Major Research Project

Dr. Ison V. Vanchipurackal (Dept. of Physics) has been awarded a Major Research Grant worth Rs. 20 lakhs for the project titled "Functionalization and colloidal processing of morphology and composition controlled PbX(X=S, Se) nanocrystals and investigating their inter-coupling for quantum dot sensitized solar cells" by the Department of Science and Technology (DST), Govt. of India, under the Fast Track Scheme.

Dr. Ison V. Vanchipurackal took his Ph.D. in Materials Science from IIT, New Delhi for his thesis titled "Swift heavy ion irradiation studies on CdX(X=S, Te) polycrystalline thin films" under the guidance of Dr. V.V. Dutta of IIT, Delhi, and Dr. D.K. Awasthi of IUAC, New Delhi. He has done heavy ion beam irradiation work at Inter University Accelerator Centre, New Delhi. During his research period, Dr. Ison published six papers in international journals like Journal of Applied Physics (American Institute of Physics) Solar Energy Materials and Solar Cells (Elsevier), Solid State Sciences (Elsevier), Nuclear Instruments and Methods in Physics; B (Elsevier) etc. He is a subject referee of Thin Solid Films and Journal of Molecular Structure-International Journal (Elsevier).

Dr. Ison V. Vanchipurackal has collaborations with CIE-UNAM 62580 Temixco, Mexico; Bio-Nano Electronics Research Centre, Toyo University, Japan; Indian Institute of Technology Delhi; Inter University Accelerator Centre, New Delhi; Department of Physics, Panjab University; Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam and National Physical Laboratory (NPL), New Delhi.

Appendix-2

New UGC Minor Research Projects Sanctioned

The University Grants Commission has sanctioned the following Minor Research Projects to the teachers of the College under the XI Plan during 2010-2011.

Sl.No.	Name of the Principal Investigator	Project Title	Approved Grant
1	Dr. G. D. Gem Mathew (Dept. of Chemistry)	Development of cellulose-fibre reinforced polypropylene composites	Rs. 1,90,000
2	Dr. Simon Augustine (Dept. of Physics)	Effect of annealing on structural electrical and optical properties of pure and doped ZnO thin films under different oxygen partial pressures	Rs. 1,65,000/-
3	Prof. Thomas V. Mathew (Dept. of Chemistry)	Functionally modified natural polymers such as lignin: Synthesis, characterisation and photo- responsive studies.	Rs. 1,40,000/-
4	Dr. T.J. Abraham (Dept. of English)	Ethical criticism and post-modern nihilism: Emmanuel Levinas and M.K. Gandhi as alternatives	Rs. 1,10,000/-
5	Dr. Joy Jacob (Dept. of English)	Voicing the devoiced: Gendered language in the novels of Ruth Praver Jabhwala.	Rs. 85,000/-
6	Dr. Toji Thomas (Dept. of Botany)	Elucidation of antibacterial principle from <i>Acrostichum aureum</i> L.	Rs. 80,000/-
7	Prof. Ashish Joseph (Dept. of Physical Education)	Relationship between incidence and mechanism of injury and age of female Volleyball players of Kerala	Rs. 60,000/-

Appendix-3

Completed UGC Minor Research Projects

The following UGC Minor Research Projects sanctioned to the teachers of the College under the XI Plan during 2009-2010 have been successfully completed.

Sl.No.	Name of the Principal Investigator	Project Title	Approved Grant
1	Dr. K.M. Kurian (Dept. of Statistics)	A sensitivity study of the confidence interval estimation of process capability indices in the variance component model	Rs. 1,20,000/-
2	Dr. Ginson P. Joseph (Dept. of Physics)	Studies of the physico-chemical properties of organometallic NLO crystals for photonics device fabrication	Rs. 1,15,000/-
3	Dr. Thomas Scaria (Dept. of Malayalam)	The impact of documentaries: Historical, cultural and educational perspective.	Rs. 90,000/-
4	Dr. Sunny Kuriakose (Dept. of Chemistry)	New generation antimicrobial coatings based on silver nanoparticle dispersed hyperbranched polyglycerol containing multichromophoric groups.	Rs. 85,000/-
5	Dr. Jose K.Xavier (Dept. of Chemistry)	Investigations on the fate and control of water pollution due to synthetic detergents	Rs. 75,000/-
6	Prof. Sojan Pullatt (Dept. of Malayalam)	Dramas adapted to feature film in Malayalam : A historical perspective	Rs. 75,000/-
7	Dr. V.V. Georgekutty Vattoth (Dept. of Hindi)	Dalit empowerment depicted in Hindi fiction	Rs. 75,000/-
8	Rev. Fr. N.V. Joseph (Dept. of Syriac)	The Syriac inscriptions: A store house of Semitic culture in Kerala.	Rs. 65,000/-
9	Dr. Sunny Joseph (Dept. of Commerce)	Socio-economic impact of NRI remittances: A case study of Malappuram district of Kerala.	Rs. 65,000/-

10	Prof. Sijo K. Manuel (Dept. of Politics)	H uman rights and the role of NGOs: A study on Amnesty International.	Rs. 50,000/-
11	Dr. Michael Augustine (Dept. of Physics)	S imulation of wave propagation in magnetically tunable nonlinear waveguide Structures containing ferrite films.	Rs. 45,000/-
12	Prof. Raju Mathew T. (Dept. of Physics)	P reparation and electrical characterization of ZnO nanostructure thin films by two step chemical bath deposition technique	Rs. 35,000/-

Appendix-4

Major Research Projects Completed/in Progress

1. Dr. Siby James (Department of English)

Title: 'The rasa of deconstruction and the deconstruction of rasa : Post-theory and trans-epistemic praxes'

Sponsoring Agency: University Grants Commission, New Delhi

Approved Grant: Rs. 4, 88,400/-

Period: 2007-2010

2. Dr. Sunil C. Mathew (Department of Mathematics)

Title: 'The properties of invertible fuzzy topological spaces'

Sponsoring Agency: Department of Science and Technology, Government of India

Approved Grant: Rs.1, 98,000/-

Period: 2007-2010

3. Dr. Sunny Kuriakose (Department of Chemistry)

Title: 'Development of a computer programme for researchers in discrete mathematical chemistry'

Sponsoring Agency: Department of Science and Technology, Government of India

Approved Grant: Rs. 2, 76,000/-

Period : 2008-2011

4. Dr. Jomy Augustine (Department of Botany)

Title: 'Preparation of the flora of Anamudi Chola NP, Idukki District, Kerala' (Digital Documentation)

Sponsoring Agency: Kerala Forest Department

Approved Grant: Rs. 50,000/-

Period: 2010-2011

5. Dr. Vincent Mathew (Department of Physics)

Title: Analysis and simulation of plasmonic waveguide structures for sub wavelength applications'

Sponsoring Agency: Department of Science and Technology, Government of India

Approved Grant: Rs.19, 02,000/-

Period: 2009-2012

6. Ms. Bindu P.P. (Department of Statistics)

Title: 'Statistical applications in micro-array technology and bioinformatics'

Sponsoring Agency: Department of Science and Technology, Government of India (Under Women Scientist Scheme A)

Approved Grant: Rs. 9, 01,666/-

Period: 2009-2012

7. Dr. K.V. Thomas (Department of Commerce)

Title: 'Micro Finance -An alternative approach to financial inclusion, women empowerment and sustainable income generation: A case study of Kudumbasree initiative in Kerala'

Sponsoring Agency: University Grants Commission, New Delhi

Approved Grant: Rs. 4, 92,000/-

Period: 2009-2012

8. Dr. Vincent Mathew (Department of Physics)

Title: 'Study of electromagnetic fields and propagation in ferroelectric and multiferroic waveguide structures'

Sponsoring Agency: University Grants Commission, New Delhi

Approved Grant: Rs. 7, 50,800/-

Period: 2009-2012

9. Dr. Dennis Thomas (Department of Botany)

Title: 'In vitro conservation and reproductive biology of Pittosporum tetraspermum, an endangered medicinal plant from Western Ghats'

Sponsoring Agency: University Grants Commission, New Delhi

Approved Grant: Rs. 3, 83,000/-

Period: 2010-2013

Appendix-5

Research Papers Published

DEPARTMENT OF CHEMISTRY

1. Cincy George, Sunny Kuriakose, Shibumon George and Tessymol Mathew; "Antifungal activity of silver nanoparticle encapsulated β -cyclodextrin against human opportunistic pathogens" *Supramolecular Chemistry*, i First Article, 1-6, (2011).
2. George Shibu, Benny P.J., Kuriakose Sunny, George Cincy, Gopalakrishnan Sarala; "Antiprotozoal activity of 2,3-dihydroxybenzoic acid isolated from the fruit extracts of *Flacourtia inermis* Roxb", *Medicinal Plants - International Journal of Phytomedicines and Related Industries*, 3(3), 237 (2011).
3. Cincy George, Sunny Kuriakose, Sheena Varghese and Tessymol Mathew; "Synthesis and characterization of polyethyleneglycol encapped silver nanoparticles and their antifungal activity". *Sci. Soc.*, 9(2), 197 (2011).
4. Shibumon George, Benny P.J., Sunny Kuriakose, 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*, 4(1), 126 (2011).
5. Cincy George, Sunny Kuriakose, B. Prakashkumar and Tessymol Mathew; "Synthesis, characterization and antibacterial applications of water-soluble, silver nanoparticle-encapsulated β -cyclodextrin", *Supramolecular Chemistry*, 22(9), 511 (2010).
6. Shibumon George, Benny P.J., Sunny Kuriakose, Cincy George; "2,3-Dihydroxybenzoic acid: An effective antifungal agent isolated from *Flacourtia inermis* fruit", *International Journal of Pharmaceutical and Clinical Research*, 2(3), 101-105 (2010).
7. Sunny Kuriakose, Shaiju Augustine, Cincy George, Tessymol Mathew and Mary Joseph; "Cis-trans isomerisation in functionally modified poly [di(ethylene glycol)/glycerol-alt-adipic acid] polyol containing azo groups: A novel photoswitchable system", *Ind. J. Multi. Res.* 6(1), 75-82 (2010).
8. Sherey Annie Paul, G.D. Gem Mathew et al.; "Preparation of polypropylene fiber/banana fiber composites by novel commingling method", *Polymer Composites*, 3 (5), 816-824 (2010).

9. Sherely Annie Paul, G.D. Gem Mathew et al.; "The role of interface modification on thermal degradation and crystallization behavior of composites from commingled polypropylene fiber and banana fiber", *Polymer Composites*, 31(6),1113-1123 (2010).
10. Sherely Annie Paul, G.D. Gem Mathew et al.; "Influence of polarity parameters on the mechanical properties of composites from polypropylene fiber and short banana fiber", *Composites - Part A*, 41, 1380-1387 (2010).

DEPARTMENT OF BOTANY

1. Cheruvathur M.K., Abraham J., Mani B., Thomas T.D., "Adventitious shoot formation from cultured intermodal explants of *Malaxis acuminatae* D. Don, a valuable terrestrial medicinal orchid", *Plant Cell Tissue and Organ Culture*, 101, 163-170 (2010).
2. Thomas T.D., Hoshino Y.; "In vitro propagation for the conservation of a rare medicinal plant *Justicia Gendarussa* Burm. F. by nodal explants and shoot regeneration from callus," *Acta Physiologiae Plantarum* 32, 943-950 (2010)
3. Cheruvathur M.K., Britto J., Thomas T.D; "Callus induction and shoot regeneration from epicotyls explants of ethnomedicinally important *Caesalpinia bonduc* (L.) Roxb. " *Iranian Journal of Biotechnology* (in press) (2010).
4. Jomy Augustine, K.V. Uthaman & K.P. Rajesh; "Preliminary study on the flora and vegetation of Aralam Wildlife Sanctuary, Western Ghats, India", *JETB*, 34 (3); 530-540 (2010).

DEPARTMENT OF PHYSICS

1. George James, Shaji Joseph and Vincent Mathew; "Effect of counterdoping thickness on double gate MOFSET characteristics", *Journal of Semiconductor Technology and Science*, 10(2), 130-133 (2010).

DEPARTMENT OF STATISTICS

1. Bindu P.P.; "Estimation of $P(X>Y)$ for the double lomax distribution", *Probstat Forum*, 4, 1-11 (2010).
2. K.K. Jose, Lishamol Tomy, V. Jilesh, K. Jayakumar; "An AR(1) time series model with skew-Laplace III marginals", *Journal of Statistical Theory and Applications*, 9(3), 417-427 (2010)
3. K.K. Jose, Shanoja R. Naik, M. Ristic; " Marshall-Olkin q-Weibull distribution and max-min processes", *Statistical Papers*, 51(4), 837-851 (2010).

4. K.K. Jose, Lishamol Tomy; "Geometric normal-Laplace distributions and autoregressive processes", Journal of Applied Statistical Science, 18(1), 153-160(2010).
5. Sebastian George and Dais George, "Application of Escher transformed Laplace distribution in web server data", Journal of Digital Information Management, 9(1), 19-26(2011).

DEPARTMENT OF HINDI

1. V.V. Georgekutty Vattoth; " Mahabhoj mem abhivyakt Dalit chetana", Abhinav Prasangvash (Aligarh), 15(2), 6872(2010).
2. V.V. Georgekutty Vattoth, "Vanishing Hindi and fading nationalism", Baselius Researcher, II (1), 72-82 (2010).

DEPARTMENT OF HISTORY

1. John, James, "Religious legislations: A Portuguese means of social change, 1567-1599", South Indian History Congress-Twenty Ninth Annual Session Proceedings, 215-217, Tirunelvely (2009).
2. John, James, "Akbar: A contemporary Portuguese pen-picture", Journal of the Institute for Research in Social Sciences and Humanities, 5 (1), 107-119 (2010).

Appendix-6

Papers Presented in Seminars/Workshops

DEPARTMENT OF CHEMISTRY

Dr. Sunny Kuriakose;

1. "Antibacterial screening of silver nanoparticle encapsulated hyperbranched polyglycerol against E. coli", National Conference on Advances in Nanoscience and Technology (NANOSAT-10), Amal Jyothy College of Engineering, Kanjirapally, April 2010.
2. "Synthesis, characterisation and studies on lignin functionalised with 1-(5,4-dimethylamino-benzylidene)-4-oxo-2-thioxo-thiazolidin-3-yl)-acetic acid", National Seminar on Green Chemistry, Alphonsa College, Pala, 15-16 July 2010.
3. "Antimicrobial activity of porphyrin-bound hyperbranched polyglycerols", National Seminar on Green Chemistry, Alphonsa College Pala, 15-16 July 2010.
4. "Antimicrobial activity of silver nanoparticle encapsulated hyperbranched polyglycerols against E.coli". National Seminar on Green Chemistry, Alphonsa College, Pala, 15-16 July 2010.

DEPARTMENT OF BOTANY

Dr. Jomy Augustine;

1. "Diversity and evolution of Strobilanthes Bl. in the evergreen shola forests of Southern Western Ghats, India", at XI International Conference of International Organization of Plant Biosystematics, Aurangabad, Maharashtra, 2-4 September 2010.
2. "Flora of Malabar WLS", at XXI International Conference of IAAT, Coimbatore, 24-26 November 2010.

Dr. Toji Thomas has presented a paper in the International Conference on Folk and Herbal Medicine at Udaipur, Rajasthan, India, 26-28 November, 2010.

Dr. T. Dennis Thomas has presented a paper in the International Conference on Folk and Herbal Medicine at Udaipur, Rajasthan, India, 26-28 November, 2010.

DEPARTMENT OF ENGLISH

Dr. Siby James presented a paper on 'Theory of Aesthetics' in the UGC-sponsored National Seminar at Deva Matha College, Kuravilangad on 30 July 2010.

DEPARTMENT OF MALAYALAM

Dr. Sabu De Mathew presented a paper on 'Translation method adopted in Kavyanarthaki by Changampuzha' at the UGC- sponsored National Seminar 'VERSOS and RECTOS' held at Catholicate College, Pathanamthitta on 15 and 16 July 2010.

DEPARTMENT OF PHYSICS**Dr. Ison V. Vanchipurackal;**

1. "On confinement in quantum dots", National Seminar on " Nanotechnology and its Applications," Maharaja's College, Ernakulam, 1-3 February 2011.
2. "Role of microstructure in the energy relaxation processes of swift heavy ions in thin film semiconductors", International Conference on "Swift Heavy Ions In Materials Engineering and Characterization (SHIMEC 2010)" at Inter University Accelerator Centre (IUAC), New Delhi, 6-9 October 2010.

Dr. Vincent Mathew;

1. "Excitation of magnetoplasmons in nanoscale plasmonic waveguide structures," International Conference on Nanomaterials and Nanotechnology (NANO-10), Erode, India (2010).
2. "Optical field coupling and propagation in Ag nano cylinder arrays in anisotropic dielectric environments", International Conference on Nanomaterials and Nanotechnology (NANO-10), Erode, India (2010).
3. "Plasmons in metal nano-strip waveguides with highly anisotropic substrates", International Conference on Nanomaterials and Nanotechnology (NANO-10), Erode, India (2010).
4. "Plasmon modes guided by metal nano-strips on anisotropic and gyroelectric substrates", International Conference on Contemporary Trends in Optics and Optoelectronics (XXV OSI Symposium), Trivandrum (2011).

Appendix-7

Seminars and Conferences Attended

DEPARTMENT OF STATISTICS

Dr. K.K. Jose (Principal) has attended the 20th Triennial Conference of the Xavier Board of Higher Education on 'Untrodden Paths to Excellence in Higher Education' held at Rajagiri College of Social Sciences, Kochi, during 6-9 May 2010.

DEPARTMENT OF CHEMISTRY

Prof. Jogy Alex and Dr.G.D. Gem Mathew have attended the Workshop for College Chemistry Students and Teachers organized by Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore; Foundation for Capacity Building in Science (FCBS), Trivandrum and Department of Science and Technology (DST), Government of India, at Thiruvananthapuram, during 9-10 November 2011.

DEPARTMENT OF MATHEMATICS

Dr. Sunil C. Mathew has participated in the Three Day National Seminar on Complex Analysis and its Applications held at BJM Govt. College, Chavara, Kollam during 15-17 February 2012.

DEPARTMENT OF BOTANY

Prof. Bince Mani has participated in the National Seminar on Miracles and Mystery of Thallophytes at Deva Matha College, Kuravilangad on 28 & 29 October 2010.

DEPARTMENT OF PHYSICS

Dr. Ison V. Vanchipurackal has attended the National Seminar on "Nanotechnology and its Applications" held at Maharaja's College, Ernakulam during 1 to 3 February 2011.

DEPARTMENT OF PHYSICAL EDUCATION

Prof. Ashish Joseph

1. One-day user awareness programme on N-LIST, organized by Mahatma Gandhi University and INFLIBNET on 20 January 2012.
2. Short term course on 'Disaster Management', organized by Academic Staff College, Kannur University, during 27-30 September 2011.
3. International Tennis Federation Level I (AITA Level III) coaching course held at MSLTA, Mumbai during 8-14 April 2011.

Appendix-8

Invited Lectures Delivered

DEPARTMENT OF STATISTICS

Dr. K.K. Jose (Principal)

1. "Statistical Modelling: Scope and Challenges", at the UGC-sponsored National Seminar on Mathematical and Statistical Modelling held at Deva Matha College, Kuravilangad, on 23 November 2010.
2. "Stochastic Models for Agricultural Crop Prices", at the National Seminar on Interdisciplinary Applications in Statistics sponsored by the Government of Kerala under Cluster Colleges Scheme and held at Maharaja's College, Ernakulam, on 25 November 2010.
3. "Marshall-Olkin Family of Distributions and their Applications" at the UGC-sponsored National Conference on Recent Advances in Statistics and Computer Applications held at Bharathiar University, Coimbatore, 23 December 2010.
4. "Normal-Laplace Model: Generalizations and Applications", at the International Conference on Actuarial Statistics, Biostatistics and Stochastic Modelling held at the Department of Statistical Sciences, Kannur University, Kannur on 14 January 2011.
5. "Ethical Incompleteness and Statistical Modelling of Gene Expressions" at the International Symposium on Emerging Trends in Bioethics: Indian Context and Perspectives held at the Institute of Science and Religion, Aluva, on 8 January 2011.
6. "Generalizations and Applications of Marshall-Olkin Family of Distributions", at the UGC-sponsored National Conference on Statistics for 21st Century held at the Department of Statistics, University of Kerala, Thiruvananthapuram, during 17-19 March 2011.

DEPARTMENT OF CHEMISTRY

Dr. Sunny Kuriakose

1. "How to Write Major and Minor Research Projects", at State Level Seminar organized by St. Stephen's College, Uzhavoor, Kerala, on 17 March 2010.
2. "New Trends in Chemical Sciences Research", at Three-Day Science Awareness Camp for High School Students, Corporate Educational Agency, Pala, on 2 May 2010.
3. "Applications of Nanochemistry in Medicine", at Deva Matha College, Kuravilangad, on 16

September 2010.

DEPARTMENT OF BOTANY

Dr. Jomy Augustine (HOD)

1. "Vegetation of Andaman", at Port Blair, Andaman, on 22 May 2010.
2. "Man, God and Nature", at International Seminar on Youth and Environment organized by MIJARCH, Japan, at Cochin on 20 August 2010.
3. "Aspect and Prospect of Ethnobotany", at National Seminar on Tribal Culture, Calicut University, on 21 January 2011.

DEPARTMENT OF PHYSICS

Dr. Ison V. Vanchipurackal

1. "Distribution Functions in Statistical Mechanics", at B.C.M. College for Women, Kottayam on 1 July 2010.
2. "How the Study can be Made Interesting", at St. Thomas College, Kozhencherry, on 17 August 2010.
3. "Integrated Optics", at Baselius College, Kottayam on 29 October 2010.
4. "Non-linear Optics", at Baselius College, Kottayam on 6 November 2010.
5. "On Confinement in Quantum Dots", at Maharaja's College, Ernakulam, on 3 February 2011.
6. "Thin Films and Properties" at Newman College, Thodupuzha, on 1 May 2011.

DEPARTMENT OF MATHEMATICS

Dr. Sunil C. Mathew

1. "Labeling of Discrete Structures" at UGC-sponsored National Seminar on Discrete Mathematics and its Applications held at MES College, Nedumkandam, during 6-8 February 2012.
2. "Fuzzy Set Theory and its Applications" at Government Victoria College, Palakkad, in connection with the Mathematics Seminar on 7 March 2012.

DEPARTMENT OF ENGLISH

Dr. Siby James

- 11 'Subaltern Studies in the Indian Context' at St. Stephen's College, Uzhavoor, on 29 October 2010.

Appendix-9

Resource persons in Seminars/Workshops

DEPARTMENT OF CHEMISTRY

Dr. Sunny Kuriakose

1. "Applications of Spectroscopy in Structural Studies", Resource Person for Ph.D coursework, M.G. University, Kottayam, April-May 2011.
2. "Applications of Spectroscopy in Structural Studies", Resource Person for M.S. and M.Phil Courses, Nanocentre, M.G. University, Kottayam, 30 May 2011.

Appendix-10

Teachers in Board of Studies

Teachers on the Board of Studies of Other Universities

1. **Dr. K.K. Jose (Principal)** : Member, P.G. Board (Statistics), Kannur University

Teachers on U.G. Board of Studies of M.G. University

- a. Rev. Fr. N.V. Joseph : Member, U.G. Board (Syriac)
 b. Dr. C.T. Francis : Member, U.G. Board (Sanskrit)
 c. Prof. Baby Augustine : Member, U.G. Board (Zoology)
 d. Dr. Seemon Thomas : Member, U.G. Board (Bioinformatics)

Newly Nominated to the P.G. Board of Studies of M.G. University

- a. Dr. K.K. Jose : Chairman, PGBOS (Biostatistics)
 b. Dr. K.K. John : Member, PGBOS (Economics)
 c. Dr. Siby James : Member, PGBOS (English)
 d. Prof. J. Chandramohanam : Member, PGBOS (Mathematics)
 e. Prof. Paul V. Karanthanam : Member, PGBOS (Botany)
 f. Dr. Joy Jacob : Member, PGBOS (Statistics)
 g. Dr. Benny Kurian : Member, PGBOS (Statistics)
 h. Prof. Mathew Sebastian : Member, PGBOS (Politics)
 i. Dr. Stany Thomas : Member, PGBOS (Politics)
 j. Dr. Sunny Kuriakose : Member, PGBOS (Chemistry)
 k. Dr. C.K. James : Member, PGBOS (Hindi)
 l. Dr. C.T. Francis : Member, PGBOS (Sanskrit)
 m. Rev. Fr. N.V. Joseph : Member, PGBOS (Syriac)
 n. Dr. Seemon Thomas : Member, PGBOS (Bioinformatics)

Appendix-11

Roll of Honour and Ph.D. Awardees

1. University Ranks Galore

Thanks to the cordial and peaceful academic atmosphere in the campus, our students have brought laurels to the College by winning as many as 15 University Ranks in the final year examinations held in March/April 2010. The following table shows the spectacular achievements of our students in the university examinations during this academic year.

Name	Rank	Course
Ms. Karthika C.	I	B.A. Communicative English
Ms. Diya Philip	II	M.A. Economics
Ms. Anu Francis	I	M.A. English
Ms. Prameela S.	III	M.A. Hindi
Mr. Jobin C.	I	M.A. Politics
Ms. Teena Joseph	III	M.A. Politics
Ms. Monisha K.N.	II	M.A. Malayalam
Sr. Sindhu Sebastian	III	M.A. Malayalam
Mr. Abin John	II	M.Sc. Statistics
Ms. Anju C. George	I	M.Sc. Biostatistics
Mr. Libeesh K.P.	II	M.Sc. Biostatistics
Ms. Renjitha Bhaskaran	III	M.Sc. Biostatistics
Ms. Dhanya T.P.	I	M.Sc. Applied Microbiology
Ms. Manjula M.G.	II	M.Sc. Applied Microbiology
Ms. Alfa S.S.	III	M.Sc. Applied Microbiology

2. Ph.D. Awardees from Our Research Departments

The following research scholars of the College were awarded Ph.D. degree by Mahatma Gandhi University, Kottayam.

Ph.D. Awardees	Subject	Title of Thesis	Guide
Dr. Uma P.	Statistics	Ramifications of Alpha Laplace Distribution and Applications	Dr. K.K. Jose
Dr. Ancy Joseph	Statistics	A Study on Marshall- Olkin	Dr. K.K. Jose

		Distribution and Minification Processes	
Dr. Shibumon George	Biochemistry	Medicinal Properties of Common Fruits	Dr. P.J. Benny
Dr. Soosy Joseph	Hindi	Dalit Sahithya: Ek Sarvekshan-Hindi Katha Sahithya keVishesh Sandarbham	Dr. V.V. Georgekutty Vattoth
Dr. Rajeemol C.R.	Hindi	Viveki Rai ke Upanyasom mem Anchalikatha	Dr. K.M. Mathew
Dr. Sujarani Mathew	English	Imaging African Womanhood: A Womanist Reading of Selected Works of Buchi Emecheta	Dr. Mathew Joseph
Rev. Dr. Tomy Joseph	Politics	The Political Empowerment of the Dalits in Kerala: A Study on the Role of Dalit Movements in Kottayam District	Dr. M.M. Mathew

Appendix-12

University Youth Festival Prize Winners

M.G. University Youth Festival Prize Winners

The College team won Championship in literary items in the M.G. University Youth Festival 2010-2011 held at Ernakulam during 28-31 January 2011 with the following prizes.

The G.K. Quiz Team of the College comprising Mr. Rakesh R. (I M.Sc. Chemistry), Mr. Georgekutty Jose (I M.A. Economics), Mr. Anoop P.V. (II M.A. Politics) and Mr. Harold George (II B. A. English) have won the following intercollegiate quiz competitions:

1. Prof. A.K. Abdul Kareem Memorial Quiz Competition held at U.C. College, Aluva (I Prize).
2. Msgr. Dr. Thomas Periyapuram Trophy Quiz Competition held at St. Joseph's College, Moolamattam (I Prize).
3. Bishop Mar Sebastian Vayalil Memorial Quiz Competition held at Alphonsa College, Pala (I Prize).
4. Prof. Kadambaran Nampoothiripad Memorial Quiz Competition held at N.S. S. Hindu College, Changanacherry (III Prize).
5. Gandhian Quiz held at Newman College, Thodupuzha (II Prize).
6. All Kerala Intercollegiate Quiz Competition held at St. Mary's College, Manarcad (I Prize).

Name of the student	Event	Result
Mr. Anoop P.V. (II M.A. Politics) Mr. Rakesh R. (I. MSc. Chemistry) Mr. Georgekutty Jose (I M.A. Economics)	Quiz	I Prize with A Grade
Mr. Prince T. Jose (II B.A Malayalam)	Film Review	III Prize with A Grade
Ms. Lakshmi Priya T. Babu (II B.A. Communicative English)	Folk Dance Kathaprasangam	A Grade A Grade
Mr. Joby John (II. B.A. English)	Poster Designing	A Grade

The Literary Quiz Team of Ms. Geethu Jose and Ms. Shilpa Mathew of II M.A .English won I Prize in the 'El-Lit Quiz 2010', intercollegiate quiz competition on English language and literature, organized by the English Club of St. Thomas College of Teacher Education, Pala.

The Biotechnology Quiz Team of Ms. Juby Jacob and Ms. Cynthia Mathew won first prize in the Biotechnology Quiz Competition organized by the Department of Biosciences of Mar Thoma College, Thiruvalla in December 2011.