

NIRMALA COLLEGE MUVATTUPUZHA
ANNUAL QUALITY ASSURANCE REPORT 2009-10

PART A

Academic Plan for the Year 2009-10

The academic year commenced with a staff meeting in which the Principal presented the action plan formulated at the end of the last academic year. The action plan was circulated to all departments for detailed discussion. The final draft was prepared by the IQAC incorporating department level modifications. The Action Plan for the academic year 2009-10 in respect of the seven criteria was as under.

CURRICULAR ASPECT

Value Addition Programme

- ✓ Certificate courses already started may be sustained
- ✓ In order to strengthen knowledge in the discipline, certificate courses may be given by all departments
- ✓ Certificate courses require a minimum of 15 hours duration.
- ✓ Provide an orientation programme to the students to introduce the programmes of the college.
- ✓ Provide orientation programme to the staff and students to introduce the details of CBCSS of UG programme.
- ✓ Conduct training programmes in Personality Development and Soft Skills.
- ✓ The documentation of activities already introduced must be continued. The responsibility of documentation may be allocated to the IQAC member of the department.
- ✓ IQAC shall evolve mechanisms and procedures to improve the academic and administrative performance of the institution by:
 - Developing quality benchmarks for the various academic and administrative activities.
 - Disseminating information on various quality parameters of higher education.
 - Documenting various programmes.
 - Preparing Annual Quality Assurance Report.
 - Introducing innovative methods of teaching, learning and evaluation

- ✓ Enhance the quality of the existing programmes provided by the college such as
 - 1) Diploma course/certificate courses in computer awareness.
 - 2) Statistical Packages such as Minitab
 - 3) Yoga classes
 - 4) Remedial classes
 - 5) NET coaching
 - 6) Coaching Classes for Entry in Services.
 - 7) Computerized accounting package using Tally
 - 8) Personality Development and Communication Skills
 - 9) Beauty Culture
 - 10) Foundation Course in ICWAI examination in collaboration with the Institute of Cost and Works Accountants of India
- ✓ **Interdisciplinary programmes**
 - Interdisciplinary programmes to be organised by way of invited talks, seminars etc. under the auspices of subject associations and various clubs functioning in the college

TEACHING LEARNING AND EVALUATION

D. Prepare a teaching plan.

Record it in the register kept in the department and Teacher's Diary. 40 per cent of the portions in the first and 50 percent in the second term and the rest in the third term. Under the semester system design the syllabus so as to finish it in 4 months.

D. Teacher's diary will be continued, which contain

- The topic and the class engaged
- Tutorial hours with the names of the students
- Administrative, curricular and co-curricular activities
- Teaching methods

D. Evaluation of teachers by students will be conducted at different times and will be intimated personally.

D. Internal academic audit will be conducted.

D. Documentation of various activities and maintenance of the existing files upto date. They may be submitted for internal audit.

D. Learner centred methods of teaching

To make students' involved in the teaching learning process, teaching techniques supplementing the traditional lecture method must be evolved. The faculty members will

employ learner centred techniques such as web related assignments, peer teaching, discussion method, experiential learning, use of audio-visual aids, case study, projects, surveys, Quiz etc in the delivery of academic programmes.

D. Human Resource Development Training for students (HRD Training)

With the cooperation of different associations and clubs, a course spread over a year at flexible time schedule will be organised to build up competence and skill for students. A committee consisting of the co-ordinator of the concerned co-curricular programme will monitor the programmes. The course consists of Life Guidance programme, Career awareness, Personality development and Leadership Training, Sex education and Communication skill.

D. Mentoring

Mentorship is assigned to each member of the department. Each member of the teaching faculty is entrusted with the task of mentoring 10 to 15 students. They are responsible for academic and personal mentoring. This is to strengthen the bonds of appreciation and affection that exists between teachers and students. Interaction with students and counselling them help in their personal development. Tutors may keep the progress of the students in the Teacher's diary.

D. Training for ICT enabled teaching and learning

- ✓ Teacher Training programmes will be organised periodically to train the staff in ICT based teaching.
- ✓ The students may be encouraged to prepare slides, transparency sheets and power point presentations as part of their assignments and project presentations. This makes the teaching –learning process a two way process, involving both the teachers and learners.
- ✓ Improve the annual exhibition by incorporating hobby collections and projects of students.
- ✓ To conduct workshop for teachers on “Semesterisation, Grading, Choice Based Credit System and Continuous Internal Evaluation” in collaboration with Kerala State Higher Education Council.

RESEARCH, CONSULTANCY AND EXTENSION

The Research and Development Cell has the goal of inculcating a research culture among the faculty and students. The Cell will give encouragement to pursue research programmes and undertake minor and major research projects. The committee will provide guidance in preparing proposal for research projects, seminars, conferences etc. Periodic meetings of the research

scholars will be arranged for the presentation of their completed works. The committee will prepare the proposal for basic developmental assistance during the XI Plan period.

- To apply for minor and major research projects by all faculty.
- To fulfill the eligibility for PG grant
- Paid Consultancy for mobilising funds for the department (DRC testing, Income tax consultancy, Data analysis etc.)

INFRASTRUCTURE AND LEARNING RESORUCES

- ✓ To purchase a new generator to compensate electricity failure in the campus.
- ✓ Involvement of students and staff and other stakeholders will be ensured in keeping the campus clean and ecofriendly.
- ✓ Periodic cleaning by students under the direction of teachers to keep the campus litter free and plastic free.
- ✓ Updating the laboratories and class rooms with the cooperation of PTA in different phases by 2012.
- ✓ Make available library reference section to members from 8am to 8pm.
- ✓ Extending library membership to the Alumni.
- ✓ Expansion of Internet lab and appointing full time internet administrator.
- ✓ To purchase more Computers and UPS to various subunits of the College.
- ✓ To purchase modern lab equipments with the UGC grant.
- ✓ To provide Broad Band Internet Connectivity in all departments.

STUDENT SUPPORT AND PROGRESSION

- ✓ Involving the final Degree and PG students in the Alumni Day celebrations and conduct induction ceremony for outgoing students.
- ✓ Continue the practice of Talent Day including awarding of Gold medals to Rank Holders.
- ✓ To inform the students about various scholarships and awards instituted by the college and other well-wishers through college Handbook and Calendar and also through College Website.
- ✓ To continue the best user award for library books with the help of Alumni Association.
- ✓ Encourage all P.G. students to undergo NET training. Class teachers may collect the names and hand it over to the coordinator.
- ✓ Progression and Placement data to be updated every year.
- ✓ To conduct a state level NSS camp in collaboration with Mahatma Gandhi University.

GOVERNANCE AND LEADERSHIP

- ✓ Budget Proposal
- ✓ Periodical staff meetings
- ✓ Different committees may be constituted for effective functioning of the departments.
- ✓ Enhance the functioning of the grievance redressal committee.
- ✓ Keep the files up to date and provide necessary information to the IQAC.
- ✓ Departmental meetings be arranged periodically to review the progress of the academic plan for the current year.
- ✓ Non teaching staff will be given training in file management, clerical and secretarial works.

INNOVATIVE PRACTICES

- ✓ Continue the existing best practices.
- ✓ Introduce innovative and unique practices by each department for the welfare and academic excellence of the students
- ✓ Keep the campus clean as part of the association activity
- ✓ Maintenance of garden and courts allotted to different departments.

Botany - Botanical garden

Chemistry - Rock Garden

Commerce - Handball court

Economics - Premises of Canteen

English - Volley ball court

Hindi - Rose Garden

Malayalam - Open Air stadium

Mathematics - Football stadium

Physics - Herbal Garden

Zoology - Salim Ali Park

- ✓ Through the media centre all programmes and information will be put on website.
- ✓ All programmes of the departments and associations should be launched online.
- ✓ Publish manuscript magazines by all departments and publish selected works from manuscript magazines in the college magazine.

PART B

1. The activities reflecting the goals and objectives of the Institution

a) Curricular activities

The college maintains consistent result of more than 90 percent in most of the courses. This year the college secured six ranks in the university.

Results of university examination March April -2009

Subject	No. appeared	Passed	I Class	II Class	III Class	% of pass	R ank
M.Sc. Statistics	13	12	12	-	-	92.3	
M.Sc. Chemistry	12	9	9	-	-	75	
M.Sc. Zoology	14	12	12	-	-	85.7	II
M.A. Economics	17	15	13	2	-	88.2	
M.Com.	18	14	13	1	-	77.8	
M.A. Hindi	17	15	15	-	-	88.2	
M.A. Malayalam	17	13	13			76.5	II
MCA	53	47	47		-	88.6	
BCA	47	17	17	-	-	36	
B.Sc. Mathematics	52	52	46	4	2	100	I, I I
B.Sc. Physics	33	30	19	8	3	90.9	
B.Sc. Physics Voc.	21	6	6	-	-	28.6	
B.Sc. Chemistry	32	30	23	5	2	93.8	
B.Sc. Botany	28	26	10	7	9	92.8	
B.Sc. Zoology	23	20	11	9		87	
B.A. Economics	66	66	32	2 1	3	100	
B.Com.	69	57	46	1 0	1	82.6	III
B.Com (Voc)	35	20	15	5	-	57.1	
B.A. Hindi	32	29	10	1 0	9	90.63	
B.A. Malayalam	33	33	21	6	6	100	I
B.A Comm. English	36	36	14	1 8	4	100	

Value addition programmes

1. Dept. of Commerce
 - a. Add on Courses E-business, Insurance, Risk Management
 - b. Conducts certificate courses in basic computer awareness

- c. Computerized accounting packages using Tally
- d. Personality Development and Communication Skill
- e. ICWA coaching classes
- 2. Dept. of English
 - a. Brings out a newspaper
- 3. Dept. of Malayalam
 - a. Sahrudaya Kootam on every Wednesdays
- 4. Dept. of Mathematics
 - a. Offers a Bridge Course of 30 hours duration for the Ist year students.
- 5. Dept. of Economics
 - a. Arranges Budget Evaluation as an interdisciplinary program soon after the budgets.
- 6. Physics Department
 - a. Add on Course in IT with UGC support.
- 7. Botany
 - a. Training Programme in Mushroom Cultivation

b) Continuous Evaluation

Two internal assessment examinations per semester were conducted after having announced the dates sufficiently early with a common time table for all classes and with all teachers invigilating the examination. The first internal assessment examination was conducted from 18th August 2009 and the second was conducted from 18th January 2010. General body of PTA was held on 25th September 2009 to assess the progress of students immediately after the first internal assessment examination. Tutorial system is practised by all the departments.

c). Details of seminars/Workshops/Conferences organized by the Departments

Seminars/workshops conducted

English

1. One Day Seminar on 'Film Studies' Res. Person: Prof.(Rtd) Joseph Mathew, St. Thomas College, Pala. Date: 27 July 2009.
2. Seminar on 'Crime Reporting' Res. Person: Mr. Sabu Mathews, Dy. Sp. Muvattupuzha. Date: 6 Aug. 2009.
3. Seminar on 'Body Language and facial expressions' Res. Person: Kalamandalam Kalidasan. Date: 26 Oct. 2009.
4. Seminar on 'Editing' Res. Person: Mr. B. Ajithkumar. Date: 26 October 2009.
5. Seminar on 'Communicative Skills' Res. Person: Mr. Dipu Karunakaran, film director. Date: 5 Nov. 2009.
6. Seminar on 'Journalism' Res. Persons: Ms. Leela Menon, veteran journalist, Mr. C.A. Chandran, Sub Editor, Mathrubhumi. Date: 12 January 2010.

Hindi

1. National Level seminar on 'Contemporary Poetry'. Res. Person: Prof. Virendra Mohan, Dr. Harisingh Gour University, Sagar, Madhya Pradesh. Date: 9 Sept. 2009.

Malayalam

1. State Level Seminar on 'Theatre and Cinema'. Res. Persons: John Paul, T.M. Abraham, Cheri Jacob, Sebastian Joseph, Dr. Aju Narayanan, Dr. Gopan Chidambaran, Ramesh Varma and Keezhillam Unnikrishnan. Date: 1-3 Oct. 2009.

Mathematics

1. Regional level seminar on 'Coding Theory'. Res. Person: Dr. Sunil C. Mathew, St. Thomas College, Pala on 29 Jan. 2010.

Statistics

1. Invited Talk on 'Normal approximation to gamma distributions and applications. Res. Person: Dr. Thomas Mathew, Maryland University, USA. Date: 15 Jan. 2010.

2. Three day workshop on 'Minitab 15'. Res. Person: Mr. Biju V.D., Black Belt certified Minitab Technical Training Specialist for Asia-Pacific. Date: 11th - 13th Feb. 2010.

3. Three day seminar on 'New trends in Statistical methodology with special emphasis on time series' and Annual conference of the Kerala Statistical Association during 25- 27 Feb. 2010.

Physics

1. State level workshop on 'Choice Based Credit and Semester System' Res. Person: Dr. Geetha, KSHEC, Trivandrum sponsored by KSHEC, Trivandrum. Date: 28 July 2009.

2. Seminar on Learning Physics through Cinema. Res. Person: Dr. S. Sankararaman, Newman College, Thodupuzha. Date: 09 Sept. 2009

3. Seminar on Robotics. Res. Person: Mr. Rajesh, Grey Techno Labs, Ernakulam. Date: 11 December 2009.

4. Seminar on Elegant Universe. Res. Person: Mr. P. S. Shobhan, Maharaja's College, Ernakulam. Date: 17. Jan. 2010.

5. Workshop on Star Watching. Res. Person: Mr. K.K. Bhaskaran, Retd. Principal, GVHS, Thirumaradi. Date: 17 January 2010.

Botany

1. One Day Seminar on Rubber Plantation. Res. Person: Mr. K.K. Ramachandran Pillai, Rubber Board. Date: 29 July 2009

2. Orientation Programme on Choice Based Credit Semester System. Res. Persons: Dr. Mathachan Pathiyil, Ms. Deepthi Thomas, Nirmala College. Date: 21 Aug. 2009.

3. Seminar on 'Bamboo Cultivation'. Res. Person: Dr. K. K. Seethalekshmi, KFRI, Peechi. Date: 22nd Oct. 2009.

Zoology

1. State Level Seminar on Animal Welfare in India, sponsored by Nirmala College, Muvattupuzha. Resource person: Major General (Rtd.) Dr. R. M. Kharb AVSM, Chairman, Animal Welfare Board of India, New Delhi. Date: 29th July 2009.

2. One day State Level workshop on B.Sc. Degree Curriculum (Zoology) and Grading, sponsored by Kerala State Higher Education Council. Resource Person: Dr. Punnen Kurien, St. Mary's College, Manarkadu, Date: 19th September 2009.

3. Chat with a Scientist-An interactive programme: Res. Person: Dr. John P.J., Asst. Professor, Dept. of Zoology, Univ. of Rajasthan. Date: 8th October 2009.

4. Seminar on 'Wetland Conservation' sponsored by Kerala State Biodiversity Board. Res. Person: Dr. Jojo T.D., Programme Officer, ATRFF, Bangalore. Date: 9th October 2009.

5. State Level Lecture presentation on "Deep Ecology and Tribal Culture" sponsored by Australia-India Council. Resource Persons: Mr. John Seed, Rainforest Information Center, Australia and Ms. Megan Wallace, NWS Reconciliation Council, Australia, Date: 5th January 2010.

6. Seminar on 'Forest Fire Management' sponsored by Zoology Association. Res. Person: Mr. M.I. Varghese IFS. Date: 2 February 2010.

COMPUTER SCIENCE

1. Seminar on 'Web Technologies' on 6 July 2009. Res. Person: Mr. Jayaram P.V., Vice-President, Z-Cubes India Pvt. Ltd, Thiruvananthapuram.

2. Seminar on 'Trends in Computing and Communication' on 14th October 2009. Res. Person: Dr. S. Radhakrishnan, Joint Director, DTE, Kothamangalam.

3. Seminar on 'Image Processing' on 13th January 2010. Res. Person: Dr. T.P. Sasikumar, Space Scientist and soft skill trainer.

4. Seminar on 'Virtual Private Network' on 25th February 2010. Res. Person: Mr. Joe Philip, Networking Engineer, iNet Infotech.

5. Seminar on 'Features of Java/J2EE' on 3rd March 2010. Res. Person: Mr. Sarath S., Tech. Director, Kites Software Pvt. Ltd.

6. Seminar on 'Future Technology in Software Development' on 23rd March 2010. Res. Person: Mr. Sreejith K.S., Training Manager, Logic Software Solutions.

7. 'Cameo 2010'- National level IT fest was conducted from 19th to 20th February 2010.

8. Two day residential orientation programme on 'soft skills' for the Ist semester MCA students. Res. Persons from Career.com, Aluva led the programme.

Economics

1. Seminar on Choice Based Credit Semester System sponsored by Kerala State Higher Education Council, Trivandrum on 13th August 2009. Resource Persons: Dr. Mohankumar P.S., Dr. Mathew Emmanuel, Dr. Mathachan Pathiyil and Mr. J. Georgi Neernal.

Commerce

1. Seminar on 'How to prepare for MAT/CAT' for the III K and III KC students on 10th August 2009 conducted by Career Launcher, Ernakulam. Resource Person: Ms.Lakshmi, Director Career Launcher.

2. Workshop on 'Group Discussion and Interview' for III KC students on 14th August 2009. Resource Person: Mr. Venugopal, CEO, Manorama Metro Vartha, Kochi.

3. One Day Seminar on 'Restructuring of UG Courses and Grading System' for the faculty and I Year students on 25th August 2009. Resource person: Dr. Issac P. Abraham, HOD, Commerce, K.G. College, Pampady.

4. Industrial Visit of ICWAI (Inter) students to Apollo Tyres Ltd. Kalamassery on 29th August 2009.

5. Seminar on 'Currency Derivatives' for the PG students on 5th October 2009.

6. Invited talk on 'Moral Values' by Sri Padmanabhan, a Gandhian on 16th November 2009.

7. Awareness Programme for third year students on 'e-Rax' by Logic Centre Thodupuzha on 18th November 2009.

8. Awareness Programme on 'Higher Study Options in Accounting' on 31st December for the third year students by the faculty from Logic Institute of Management, Ernakulam.

9. Awareness talk on 'Internet Security System' on 4th January 2010 for the third year students by the faculty from G-Next Security System, Ernakulam.

10. Inter-collegiate Commerce Fest (Deus Vult 2009) as part of experiential learning programme with competitions on various business related events on 13th January 2010. Chief Guest: Mr. Roy Varghese, Asst. Vice President, Axis Bank, Kerala Region.

11. Seminar on 'Business Communication' for ICWAI (inter) students by the faculty trainer from the Cochin Chapter of ICWAI on 23rd January 2010.

12. Personality Development Course for the second year B.Com. (Voc.) students. Resource Person: Jinto Mathew, Race Solutions Pvt. Ltd., Kakkanad on 9th February 2010.

CHEMISTRY

1. Seminar on Mechanism in Organic Synthesis, 26th August 2009 by Dr. M. George, Reader and Research Guide, S.H. College, Thevara.

2. Rev. Dr. Mathew Thottiyil Memorial Lecture on 'Optical properties of Hybrid Nano materials', 10th November 2009. Res. Person: Dr. K. George Thomas, Senior Scientist, National Institute for Interdisciplinary Science and Technology (NIIST), Trivandrum.

3. Chemistry Association and Chemistry Alumni Association Nirmala (CAAN) jointly organized a Traffic care programme in connection with traffic awareness week on 7th January 2010 at St. Sebastian's H.S.S Anicadu.

4. Workshop on 'Foundations of Capacity Building in HRD and Career guidance', 12th January 2010 organized by Chemistry Alumni Association Nirmala (CAAN) and Chemistry association. Res. Person: Mr. Lalu Joseph, Regional Manager, Johnson & Johnson, India.

COLLEGE

1. **Msgr. Thomas Nedumkallel Memorial Lecturer** – The 19th Msgr. Thomas Nedumkallel Memorial Lecturer was delivered on 9th February 2010 on 'India's Foreign Policy- Challenges and Opportunities' by former ambassador T.P. Sreenivasan.

Inter Departmental Programme

Inter disciplinary Science Fest – "EXORIOR 2010" was organised jointly by departments of Physics, Chemistry, Botany and Zoology on 16th February 2010. Mr. R. Thyagarajan Potti, Sreedhareeyam, the Chief Guest delivered talk on 'Climate Change due to Global Warming'

d). Details of seminars/Workshops/Conferences attended by faculty members in other institutions.

Zoology

1. **Shaju Thomas**, Attended the work shop for curriculum re structuring of Degree Courses (Zoology) organised by M.G. University during May –July 2009 and help design four courses.

2. **Laly Mathew** and **Dilmol Varghese**, Curriculum Workshop at M.G. University, Kottayam 14th to 22nd May 2009.

3. **Mary P.C.**, Curriculum Workshop at M.G. University, Kottayam 23, 24 and 31 July 2009.

Mathematics

1. **Soni Sebastian T.**, University level Curriculum Restructuring Workshop held at SH College, Thevara during 13-14 August 2009 organised by M.G. University, Kottayam.

Physics

1. **Susan Varghese**, Attended refresher course from 3-10-2009 to 23-10-2009 sponsored by UGC organised by ASC, Kerala University Trivandrum.

2. **Aloysius Sabu N.**, State level seminar sponsored by UGC on ‘Nanomaterial and applications’ organized by Department of Physics, M.A. College, Kothamangalam on 17th to 18th September 2009.

3. **Nirmala Mathew**, State level seminar sponsored by UGC on ‘Nanomaterial and applications’ organized by Department of Physics, M.A. College, Kothamangalam on 17th to 18th September 2009

4. **Thomas Varghese** and **Aloysius Sabu N.**, Workshop in Methodology of Physics, sponsored and organised by M.G. University 12 -13 August 2009.

5. **Sunny Joseph**, **Susan Varghese** and **Thomas Varghese**, Open House Programme sponsored by CUSAT organised by Dept. of Physics, CUSAT on 19-2-2010.

6. **Sunny Joseph**, **Susan Varghese** and **K.A. Philip**, Seminar on 4 to 5 February 2010 ‘Nanomaterials and Nano photonics’ sponsored by St. Theresa’s College, Ernakulam organised by Dept. of Physics, St. Theresa’s College, Ernakulam.

7. **Thomas Varghese**, Faculty Development Programme in ‘Entrepreneurship’ sponsored by Entrepreneurship Development Institute, Ahamedabad organised by Technopark TBI, Trivandrum 08-12-2009 to 19-12-2009.

Malayalam

1. **Beenamma Mathew**, *Thunchan Utsavam at Thunchanparambu*, Tirur, Malappuram on 4 & 5 February 2010.
2. **Beenamma Mathew**, Seminar on '*Keraleeya Rangakala: Bhavukathwa vithanangal*' conducted by Dept. of Malayalam at S.B. College, Changanassery on 23 November 2009.
3. **Sr. Biji M.P.**, Seminar on '*Keraleeya Rangakala: Bhavukathwa vithanangal*' conducted by Dept. of Malayalam at S.B. College, Changanassery on 23 November 2009.
4. **Sanish P.B.**, Seminar on '*Keraleeya Rangakala: Bhavukathwa vithanangal*' conducted by Dept. of Malayalam at S.B. College, Changanassery on 23 November 2009.

Commerce

1. **Gireesh Kumar G.S.**, State Level Seminar on Recent Trends in Accounting Organized by the Kerala Chapter of Indian Accounting Association on 14 December 2009.
2. **Bobby Mathew**, Ten Day Faculty Development Programme organized by Entrepreneurship Development Institute, Ahmedabad from 8 to 19 December, 2009 at Techono Park Thiruvanthapuram.

Computer Science

1. **Sherry O. Panicker and Smitha Anu Thomas**, One day Faculty Development workshop on 'Advanced Developer Technologies' conducted by Microsoft in association with Royal College of Engineering, Thrissur on 4th July 2009.
2. **Sherin Mathew G.**, One day workshop on "Data Analysis using SPSS" conducted by CUSAT, Kochi on 25th June 2009.
3. **Raison J. Mathews**, One week training programme on 'Advanced Linux Administration and Networking' at Adi Shankara Institute of Engineering and Technology, Kalady during 6th to 10th July 2009.
4. **Siji P. Joy**, Faculty Development programme on 'Linux' at Marian college, Kuttikkanam during 16th to 17th October 2009.
5. **Sherin Mathew G.**, National Seminar on 'Recent Trends in Computing' organised by School of Computer Science, M.G. University, Kottayam during 11th December 2009.

6. **Jobin Varghese P.**, National level Workshop on ‘Digital Image Processing’ organised by MS University, Tirunelveli held during 16th to 31 January 2010.

Botany

1. **Sr. Tessy Joseph**, 97th Indian Science Congress held at Kerala University, Trivandrum on January 3rd to 7th 2010.

2. **Ansy P.S.** and **Philomina T.V.**, Five day workshop on ‘Curriculum Restructuring’ at M.G. University during 14th -22nd May 2009 and on 17th July 2009.

3. **Philomina T.V.**, UGC sponsored State level seminar on ‘Ethnobotany’ at St. Teresa’s College, Ernakulam held from 6th to 7th October 2009.

Chemistry

1. **Jose Karikunnel**, National Workshop on Choice Based Credit and Semester System (CBCSS) organized by AIACHE at Jeeva’s Centre, Alwaye. Date: 1 to 4 May 2009.

2. **Marthakutty Joseph** and **Jose Karikunnel**, Workshop on Restructuring Curriculum in UG level held at MG University from 14th to 22nd May 2009.

3. **Josekutty J. Ozhukayil** World Environment Day Celebrations organized by IRE Alwaye. Date: 5 June 2009.

4. **Thresiamma George** National seminar on Computational Chemistry from July 9 to 10, 2009 sponsored by UGC and KSCSTE and MA College, Kothamangalam.

5. **Jose Karikunnel**, Regional Meet organized by Xavier Board of Higher Education held at St. Xavier’s College, Aluva. Date: 1 August 2009.

ECONOMICS

1. **Lizamma Abraham K.** and **J. Georgi Neernal** participated in the five day Workshop on Restructuring of Curriculum-Degree courses held at M.G. University, Kottayam held from 14th to 15th and 20th to 22nd May 2009.

ENGLISH

1. **Annamma John** and **Lissi S. Plathottam**, Workshop on ‘Curriculum Restructuring’ held from 14th to 22nd May 2009 sponsored by and organised at M.G. University, Kottayam.

2. **Annamma John** and **Lissi S. Plathottam**, Workshop on ‘Teaching - Communication and Reading Skills’ held from 3 to 4 August 2009 sponsored by Cambridge University Press and M.G. University organised at CMS College, Kottayam.

e) Annual Science, Art and IT exhibition

SCILORE 2010

The Annual Science Exhibition 'Scilore 2010' was held on 5th February which made the college wear a festive look. The Scilore-2010 was the outcome of efforts made by the students, Class leaders, association secretaries, and the staff of the college. The exhibition provided an opportunity to display the projects, hobby collections of paintings, photographs, sculptures and antiques to the public. Further, this exhibition provided an opportunity to the students to develop their communication and organizational skills.

Dr. P.M. Rajan Gurukkal, Hon. Vice Chancellor, M.G University, Kottayam inaugurated the exhibition. After the inaugural function the Vice Chancellor visited the exhibition stalls and appreciated the organisers for organizing such an exhibition with wide range of exhibits in a well disciplined and arranged manner.

Eleven departments and Career Guidance cell with competitive spirit participated in the exhibition. Thousands of items were presented by the students and were classified into hobby collections and individual items. Class leaders were given charge of registering the items and association secretaries are given supervision duty of their respective associations. The Teacher-in-Charge of exhibition was entrusted with the duty of over all supervision of each department. The General Co-ordinator Prof. Thomas Lazar co-ordinated all the associations. Cash Prizes, certificates and gifts were awarded to the best exhibits at the class level, association level and college level.

Dinta Elizabeth Manuel I L, Nevin NG IV E and Arun Kumar II KC won the Ist, IInd and IIIrd prizes respectively in Hobby collections in the college level. Shinto Xavier II E, Bismitha Nazeer I L and Jacob Sunny I K won the I, II and IIIrd prizes respectively in Individual Items. Economics, Zoology and Commerce Associations selected for the Ist, II and III prizes respectively in Best Association Award. Shinto Xavier , Economics selected as the Best Association Secretary and Joshi Thomas III E and Ms. Delphi Antony I E as Best Class Representatives.

The students from neighboring colleges and schools and the public also visited the stalls.

CAMEO'10

Cameo'10, the sixth National level IT fest conducted on 19th & 20th of February 2010, by the Department, was the most luminous jewel added to its crown. *Cameo'10*, the complete event on information technology enables the IT scholars to meet in a common place and showcase their talents in technology. As part of the event, an assortment of competitions like Coding, Web Designing, Word Hunt, IT Quiz, Gaming and Star of *Cameo* arranged for the participants.

f) Teacher Quality

One faculty member namely Ms. Jaseentha O.P. has awarded Ph.D. in Physics from M.G. University. 5 faculty members participated in the refresher courses. 12 faculty members have presentations in National and State Level Seminars/ Conferences.

g) Publications

BOOKS

Statistics

1. Dr. Seetha Lekshmi V., Dept. of Statistics has published a book titled 'Geometric Exponential Distributions: Generalizations and Applications' (ISBN-10: 3-8383-0746-1) by 'Lambert Academic Publishing' (LAP), Germany, in 4 languages.
2. **Johny Scaria, Mathachan Pathiyil and Jacob T.M.** (Ed.), (2009). Proceedings of the U. G. C. Sponsored seminar on *Modern Applied Statistical Methods in Statistical Softwares*. NARP.

Zoology

1. **Shaju Thomas** et al. (2009). *Biology –Perspectives and Methods for Undergraduate Students*. Published by Greenleaf Publications, Kottayam
2. **Shaju Thomas** et.al.(2009). *Biodiversity –Scope and Challenges*. Published by Greenleaf Publications, Kottayam.

Commerce

1. **Gireesh Kumar G.S.** (2009). *Business Communication and Management Information System*, Prakash Publications, Changanassery.

Economics

1. **Lizamma Abraham** (Ed.), (2009). *Fiscal Crisis and Centre-State Relations*, NARP.

Chemistry

1. **Prof. P.R. Ramachandran** (Ed.) 2009 'Nano materials – recent advances in medicine'
NARP

ARTICLES

Statistics

1. **Mathachan Pathiyil** (2009). Estimation of the Residual Entropy Function of the Geometric Distribution when Outliers are present in the Sample, *Proceedings of the Seminar on Modern Applied Statistical Methods in Statistical Software*, pp. 37-48.
2. **Mathachan Pathiyil** (2009). Bayes Estimation of the Residual Entropy Function of the Geometric Distribution Using Record Values, *Proceedings of the National Workshop on Bayesian Statistics and MCMC Methods using BUGS and R*.
3. **Johny Scaria** (2010). Application of SARIMA Model in Demand Forecasting: A Case Study. *Science & Society*, 8 (1), NARP, pp. 13-24.
4. **Johny Scaria** (2010). General properties of concomitants of Morgenstern Bivariate Gamma Distribution and their application in Estimation. *Statistics* 44(2), Germany.
5. **Johny Scaria** (2009). Quality improvement of manufacturing process by Application of six sigma Methodology. *Proceedings of UGC sponsored seminar on Modern Applied Statistical Methods in Statistical Softwares*, published by NARP, Muvattupuzha.
6. **Johny Scaria** (2010). Application of Taguchi Method to optimize the Characteristics of green sand in a foundry. *Int. J. of Business Excellence*.
7. **Seetha Lekshmi V.**, et. al. (2009). Integer Valued skew Laplace Processes and Stress – Strength Models, *Science & Society*, 7(1), pp. 37-48.
8. **Seetha Lekshmi V.**, et. al. (2010). Generalized Mittag-Leffler Distributions and Processes for Applications in Astrophysics and Time Series Modeling . *Proceedings of the Third UN/ESA/NASA Workshop on the International Heliophysical Year 2007*, Springer-Verlag Berlin Heidelberg.
9. **Seetha Lekshmi V.** (2010). Recent Developments in the theory and applications of Geometric Stable and Geometrically Infinitely divisible distributions. *Arya Bhatta Journal Of Mathematics & Informatics* (Accepted).

Hindi

1. **Suja C.** (2009). *Paaristhitikee Avabodh aur Aaspaas ki Kavithaein*, Namaami, Nimbus Books, Kaloor.
2. **James George** (2009). ‘Usha Priyomvada krit sasakth Nareevadi Upanyas Seshayathra’, *Sodh Kshitij Viseshank- Seminar Proceedings*. Dept. of Hindi, St. Thomas College, Pala.

Commerce

1. **Gireesh Kumar G.S.** (2009). Impact of SHG Bank Linkage Programme on Credit Accessibility of rural Poor in Kerala, *Finance & Banking – A Collection of Contemporary Research*, Excel India Publishers, New Delhi.
2. **Gireesh Kumar G.S.** (2009) Impact of SHG Bank Linkage Programme on Loan Accessibility of Rural Poor in Kerala, *Science & Society*, Vol. 7, No.2.
3. **Gireesh Kumar G.S.** (2009). Impact of SHG Bank Linkage Programme on Income Generation of Rural Poor in Kerala, *ICFAI Professional Banker*.
4. **Gireesh Kumar G.S.** (2009). Impact of SHG Bank Linkage Programme on Women Empowerment in Kerala, *Micro finance and Rural Development*, New Age Publishers, Chennai.
5. **Gireesh Kumar G.S.** (2010). Impact of SHG Bank Linkage Programme on Savings of Rural Poor in Kerala, *ICFAI Professional Banker*.

physics

1. **Thomas Varghese** (2010). 'Electron Momentum Distribution and Compton Profiles of Europium' *European Phys. J.D.*, Vol. 57, pp. 9-11.
2. **Thomas Varghese** (2009). 'Nano Technology in Carbon Materials' *Sci. & Soc.*, Vol. 7(2), pp. 113-118.

Zoology

1. **Shaju Thomas** (2009). Ecological History is 'His Story' -A Case Study from the Southern Western Ghats. *Proceedings of the First World Congress on Environmental History*. pp. 211-212.
2. **Sasikala K. Joseph** and **Shaju Thomas** (2009). Diversity of Freshwater Crustaceans in Muvattupuzha River Basin, Kerala. *Science and Society*, 7(1) pp. 25-32.
3. **Shaju Thomas** (2009). Climate Change- A Critique of NAPCC and REDD. *Science and Society* 7 (2) pp. 189-194.
4. **Shaju Thomas** (2009). Origin of Species: Connecting the Disconnect. *Souvenir, Kochi International Book festival*.

COMPUTER SCIENCE

1. **Jobin Varghese P.** (2010). 'Fighting against cyber crime' *Mangalam Academic Journal for Technology and Management*. Vol. 1. Issue 1.

PRESENTATIONS

Malayalam

1. **Beenamma Mathew**, '*Ezhuthachan Kruthikalude Samakaleena Prasakthi*' at U.C. College, Aluva on 30 Jan 2010.
2. **Beenamma Mathew**, '*Madhavikutty: Vyakthiyum Sahithyakariyum*' at Devamatha College, Kuravilangad, on 9 March 2010.
3. **Sr. Biji M.P.**, '*Subhashithangal*' 11-13th October 2009. All India Radio, Thrissur.

Zoology

1. **Shaju Thomas**, 'Enviromental History is 'His Story'-A Case Study from the Southern Western Ghats' presented at first World Conference on Enviromental History, Copengahen, Denmark, 4th - 8th August 2009. (read in absentia)
2. **Shaju Thomas**, 'Wetland Conservation' at M.A. College, Kothamangalam on 23rd July 2009.
3. **Shaju Thomas**, 'Biodiversity Conservation and Future of Man' State level seminar on 'Biodiversity Concerns' at St. Thomas College, Kozhencherry on 25th Nov. 2009.
4. **Shaju Thomas**, 'Biodiversity: Threats and Conservation Strategies' State level seminar on 'Biodiversity and Sustainable Development' at Newman College, Thodupuzha on 22nd Jan. 2010.
5. **Shaju Thomas**, 'Forest and Water-the Connections' national level seminar on 'Sustainable Water Governance' at Adi Shankara Institute of Science and Technology on 30th Jan. 2010.

Botany

1. **Sr. Tessa Joseph**, 'A Pharmacognostic study and antidiarrhoel activity of the leaf of *Barringtonia actuangula* (Lin) Gaertan –An antidysentric drug' at the UGC sponsored State level seminar on 'Ethnobotany' held at St. Teresa's College, Ernakulam held during 6th – 7th October 2009.

STATISTICS

1. **Seetha LekshmiV.**, Discrete Skew Laplace Distribution in Reliability modeling, Five day National Workshop on Bayesian Statistics and MCMC Methods using BUGS and R organized by Department of Statistics, St. Thomas College, Pala from 26th to 30th June 2009.

2. **Seetha Lekshmi V.**, Analysis DAR(1)/D/s queue with discrete Mittag-Leffler distribution as marginal distribution of the input traffic, A three day Seminar on New trends in Applied Statistical Methodology with special emphasis on Time series Analysis, organized by Department of Statistics, Nirmala College Muvattupuzha from 25th to 27th Feb 2010.

3. **Mathachan Pathiyil**, “Bayes Estimation of the Residual Entropy Function of the Geometric Distribution Using Record Values”, UGC sponsored National Workshop on Bayesian Statistics and MCMC Methods Using BUGS and R, St. Thomas College, Pala, 26-30, June, 2009.

4. **Johny Scaria**, Application of SARIMA Model in Demand Forecasting: A Case Study. Three day Seminar on ‘New trends in Applied Statistical Methodology with special emphasis on Time Series Analysis’, organized by Department of Statistics, Nirmala College Muvattupuzha from 25th to 27th Feb 2010.

5. **Johny Scaria**, Application of Statistics in various fields. UGC Sponsored Seminar organized at St. Paul’s College Kalamassery, Ernakulam on 13th August 2009.

HINDI

1. **C. Viswanathan**, presented paper in the U.G.C. National seminar conducted by CUSAT, on 6th Nov. 2009.

2. **C. Viswanathan**, presented paper in the U.G.C. National seminar conducted by CUSAT, on 17th Dec. 2009.

3. **James George**, ‘*Usha Priyomvada krit sasakth Nareevadi Upanyas Seshayathra*’, National seminar on *Swathanthryothar Hindi Upanyasom mein Narimukhi ki Samkalpana*’ conducted by St. Thomas College, Pala on 9th July 2009.

COMPUTER SCIENCE

1. **Jobin Varghese P.**, ‘Brain Tumor Detection using color based K-means clustering segmentation’ at Manonmaniam Sundaranar University, Tirunelveli on 7th November 2009.

COMMERCE

1. **Gireesh Kumar G.S.**, ‘Impact of SHG Bank Linkage Programme on Credit Accessibility of rural Poor in Kerala’ National Seminar on Finance and Banking, Saint Gits Institute of Management, Kottayam. September 2009.

2. **Gireesh Kumar G.S.**, 'Impact of SHG Bank Linkage Programme on Women Empowerment in Kerala' International Conference on Microfinance, Pondicherry Central University, Puducherry. Jan. 2010.

Physics

1. **Thomas Varghese**, 'Mobile Phone Hazards', Dept. of Physics, Morning Star College, Angamaly. 5 Oct. 2009.

h) Co-curricular and extra curricular activities

CATHOLIC STUDENTS' MOVEMENT

The CSM unit of Nirmala has undertaken various activities for the spiritual development of students and teachers. The CSM unit had nominees Br. Bikhil Thankachan IE as its President and Kum. Jyothis Maria Jose III PV as its Secretary. Msgr. Raphael Thattil, Vicar General of Thrissur Arch Diocese, inaugurated the CSM activities for the academic year at a meeting presided over by the Principal Prof. P.C. James on 23/09/2009.

The Catholic Students Movement (CSM) activities for the current year began with the annual retreat held at Jeevajyothy from 17-19 July 2009. The retreat led by Br. Benny Njarakulam and Team (Editor, Kairos Magazine, Kozhikode) was a great occasion for spiritual renewal for all the second and third year degree students of our college. The retreat for the first year degree students led by Br. Elvis Kottooran and Team was held from 22-24 August 2009. A retreat for teaching and non teaching staff was conducted and it was led by Rev. Fr. Francis Mooreli MCBS.

Rev. Dr. John Vallamattom intercollegiate debate was held on 30th October 2009. Trophy and cash prize for the best team was awarded to Alphonsa College, Pala and Kum. Sherin Rani Mathew, Alphonsa College, Pala was awarded the cash prize for the Best Debator.

CSM unit celebrated Nirmala day. Rev. Fr. Paul Nedumpurath, Former Principal, Newman College, Thodupuzha gave the message. Value based entertainment programmes were staged by unit members. There was a lighted candle procession to the Nirmala Matha Church, followed by Holy Mass. Sweets were distributed among the students.

A beautiful crib was made by the CSM family. Celebrations held on 17/12/2009 started with a gathering and the Christmas message was given by Rev. Dr. Thomas Periyappuram, former Principal of Nirmala College. The Department of Malayalam won the first prize in the Inter-departmental Carol song competition conducted in connection with the Christmas celebration.

The CSM family members along with the Principal and Bursar celebrated Christmas with the inmates (Grandmothers) of 'Snehabhavan'-a home for the aged at Bethlehem, Vazhakulam on 11-12-2009. A Christmas message was delivered by the Principal. Cakes were distributed and entertainment programmes were conducted on the occasion. Bursar Rev. Fr. John Mundackal distributed Christmas gifts to the inmates. Students left the Snehabhavan with great joy and satisfaction.

CSM day was celebrated on 17/2/2010. Rev. Fr. Kurikose Kachiramattam delivered the message. Principal Prof. P.C. James, Managing Board member Mr. Joy Joseph and Kum. Asha Joseph felicitated the priests and they remembered with gratitude the services done by the priests to our institution.

Prayer meetings were conducted on every Thursdays. Lunch packets and cash were collected from students and staff on every Fridays and distributed among the inmates of an old age home.

Holy Mass is offered in the church on first Friday of every month. Ten day Rosary devotion was conducted during the month of October by the CSM family for the students and staff at Nirmala Matha Church. This year we conducted a rosary rally on 30-10-2009 through the all stairs of the college and ended in front of the Nirmala Matha Statue.

Two members of our family attended a two day leadership programme conducted by St. Dominic's College, Kanjirapally. Six members from our unit participated in the National Campus Meet held at Hyderabad from 27-29 December 2009.

CSM volunteers organized a stall in connection with the annual exhibition of the college with the help of Pro-life movement, highlighted a positive conviction against abortion and other social evils.

WOMEN'S CELL

The activities of women's cell 2009-10 began with the general body meeting on 14 September 2009 at 1.30 pm in the auditorium. Office bearers for the current year were elected unanimously. President: Aswathy Sudhakaran III Z, Secretary: Ashna Shaji, III M; Joint secretary: Nimmy Thomas, II E. Twelve executive members from each department were elected to the executive committee.

Activities of Women's Cell 2009-10 were inaugurated by Dr. Ashly Joseph, Director, Department of Sociology, Yeldo Mar Baselius College, and Kothamangalam. The meeting was

presided over by Ms. Aswathy Sudhakaran, President, and Ms. Lizamma Abraham K. Co-ordinator women cell welcomed the gathering. Principal Prof. P.C. James, felicitated the gathering. Cultural events added colour to the function

Women cell observed October 14th as cleaning day. The responsibility of keeping Ladies Waiting Room and premises neat and tidy was taken up by Women cell. Students from all departments were entrusted duty according to schedule.

A seminar on Gender Justice was conducted on 17th November 2009. The resource person was Rev. Sr. Kochurani Abraham, the research scholar in women studies and the member of Sreevani Organisation at Pune. She elaborated the discrimination and atrocities against women.

The group dance competition in the college level organised by women cell was conducted on 16th December. The first prize was shared by Economics Association and Commerce association. The second prize and third prize were bagged by English and Zoology respectively.

The women's day was celebrated on 4th February. Prof. P.C James, Principal inaugurated the function. Miss Nirmala Competition was also held and Miss. Shefeena K.S., I Z was the winner.

CAREER GUIDANCE AND PLACEMENT CELL

The inauguration of the Cell was held on 25th July 2009 by Prof. Raghavan A.P., Principal, SNDP B.Ed. College, Muvattupuzha. The cell published a diary for its members giving a detailed schedule of the activities for the year. The cell conducted seminar on first and third Saturdays of every month. The seminars were on interview techniques, group discussion, telephonic interview, personality development, Job opportunities abroad and on higher education. During this academic year 142 students were enrolled as members. Career Guidance Day was conducted on 9th Jan 2009 and 142 members were issued certificates.

Twelve seminars and nine recruitments were conducted in this academic year. Several awareness classes were conducted on MAT, CAT exam, MBA courses, Animation, Logistics, airlines etc.. Career Guidance and Employment Bureau of Mahatma Gandhi University has selected Mr. Thomas Lazar as faculty in conducting career guidance programs in various private and Govt. colleges. The Co-ordinator was Mr. Thomas Lazar, Dept. of Commerce. The General secretary was Ms. Geen Thomas, III K C.

VARNASALA

Ms. Anusree N. I C won II prize in Collage competition in the M.G. University Youth Festival 2009-10. Varnasala conducted competition in Pencil Drawing and Shervin Skaria II PV, Veena Ravi II M and Teena Thomas III M won first, second and third prizes respectively. Cash prizes were awarded to the winners on the Talent Day.

Varnasala participated in the annual exhibition of the College – Scilore 2010- on 5th February 2010. In collaboration with the Department of Physics, Varnasala conducted a Photo Exhibition on ‘Astronomy and Astro-Physics’. Mr. E.V. Krishnan Namboothiri (Dept. of Physics) and Dr. Sanish P.B. (Dept. of Malayalam) were the Co-ordinators.

MUSIC CLUB

The activities of the club started in the first week of November with a meeting on 6-11-2009. ‘Monday Melody’ -the music contest was conducted from 1-2 February 2010 in four rounds and the all-round performance was tested with different types of songs. After a tight competition, Mr. Ramnath P.III CE and Ms. Vidhya S. Iyer V C were declared winners. The prizes were given away by the Idea Star Singer fame Ms. Sapnja Sasidharan, an Alumnus of our college. Under the auspices of Music Club, a Karaoke Ganamela was conducted in connection with the College Day celebrations. Mr. K.J. Francis (Dept. of Phy. Edn.) and Mr. Majo V. Kuriakose (Dept. of Chemistry) co-ordinated the activities.

NATURE CLUB

In the first General Body meeting of Nirmala Nature Club was held on 10.10.2009, Bijosh M.B. of III DC Zoology and Sumekha Thomas of II DC Zoology were elected President and Secretary of the club respectively. World renowned environmentalist and Australian writer Mr. John Seed and Australian social worker Ms. Megan Wallace jointly inaugurated the activities of the club on 5.1.2010. Mr. John Seed specially stressed the need to preserve the nature.

The Nature camp held at Thattekkad on 14 and 15 February was a memorable activity of the club. Co-ordinator Dr. James George and the faculty members Dr. Sanish P. B., Dr. Sr. Tessy Joseph, Mr. Georgi J. Neernal and 38 Students participated in the camp. The Deputy Ranger of Thattekkad Mr. Ramachandran inaugurated the camp. Assistant Wild Life Warden of Thattekkad Dr. K.S. Shamsuddin, Mr. Sivadasan, Dr. Sugathan (Ornithologist) led the various seminar sessions. The campers and teachers with the help of three guides conducted a trekking

expedition to the interior forest of Thattekad. Different species of birds, and a number of medicinal plants and trees etc. were beautiful sights to the eyes.

Co-ordinator Dr. James George, Dr. Shaju Thomas, Ms. Philomina T.V. and Ms. Dilmol Varghese together led the activities.

QUIZ CLUB

This year the club members brought laurels by winning more than 34 trophies. Jestin Joseph and Akhil Prabhu III M secured several prizes in the intercollegiate Quiz competitions held at various colleges. Anton Augustine (III M) was selected as the best debater and Dhanya Thomas (II M) was selected as the 2nd best debater in the Mahatma Gandhi University. Dhanya Thomas and Rosmy Jose Secured I Prize and Harikrishnan O. J. & Sonu Bose secured II prize in Statistics quiz competition organized by CUSAT. Harikrishnan O. J. & Dhanya Thomas secured I prize in the U. S. Nair All Kerala Quiz competition. Dhanya Thomas and Rosmy Jose secured I prize and Harikrishnan O. J. & Sonu Bose secured II prize in Prof. Ramakrishna Pillai memorial Statistics quiz held at St. Thomas College, Pala. Harikrishnan O. J. & Dhanya Thomas secured I prize in the Mathematics Quiz competition held at St. Albert's college Ernakulam.

Tony Sabu Paul III K and Vipulkumar N M (I M.Com) secured II Prize in Commerce Quiz held at K.G. College Pambady on 19th September 2009. Vipulkumar N M (I M.Com) and Anoon P Basilraj I K secured II Prize in Commerce Quiz held at Saint Gits College Pathamuttom, Changanassery on 9th October 2009. They also secured II Prize in Commerce Quiz held at Devamatha College Kuravilangad on 3rd October 2009; I Prize at K.E. College Mannanam; I Prize at St. Joseph's College, Devagiri, Kozhikode; III Prize at St. Thomas college, Pala; II Prize at St. Theresa's College, Ernakulam; II Prize at Mar Augustinos College, Ramapuram and III Prize at DCS MAT, Vagamon. Tony Sabu Paul III K and Arun K. Prabhakar III K.C. Secured II Prize at K.E. College, Mannanam on 13th October 2009. Besides all these achievements, Tony Sabu Paul and Anoon P. Basilraj conducted a quiz competition at Newman College, Thodupuzha on January 29th 2010 organized by the Dept. of Commerce, Newman College, Thodupuzha.

Mr. Armstrong Sebastian, Dept. of English and Mr. Soni Sebastian T, HoD of Mathematics co-ordinated the club activities.

SCIENCE FORUM

The inauguration of activities of Science Forum for this year was done by Dr. P. Lovely Mathew, Dept. of Chemistry, Newman College, Thodupuzha on 30th Sept. 2009. A Seminar for the Science students was conducted on 'The importance of basic science' led by Dr. P. Lovely Mathew. Athira Raj II Z (President), Sharath R. IP (Secretary), Prajeesh IB, Dhanya Thomas IIM and Lakshmi K.R. IIC (Joint Secretaries) were the Office Bearers. Mr. Majo V. Kuriakose (Dept. of Chemistry), Mr. Sunny Joseph (Dept. of Physics) and Ms. Laly Mathew (Dept. of Zoology) were the Co-ordinators.

FILM AND DRAMATIC CLUB

The activities of Film & Dramatic Club for this year was inaugurated by film director Mr. Dipu Karunakaran ('Crazy Gopalan' fame) on 5th November 2009. Prof. Jessy Antoney, Chairperson, Thodupuzha Municipality delivered the keynote address. The 2nd Film Festival held from 14th January 2010 conducted under the auspices of the club was lighted on by Mr. Priyanandan, famous film director. Dr. Jose George and Mr. Babu Pallippatt felicitated. French, Chinese and Iranian films were screened. Principal Prof. P.C. James presided over and Vivek P., President proposed the vote of thanks. In the Inter-departmental Drama competition, Dept. of Malayalam and English won the I, II prizes respectively. Prof. Jose Augustine (Dept. of English) and Dr. Annie Thomas (Dept. of Malayalam) were the Co-ordinators.

ENTREPRENEURSHIP DEVELOPMENT CLUB

The Entrepreneurship Development Club conducted a seminar on 'Modern Banking' on 30th October 2009. Sri. T.P. Ramachandran Nair, Sr. Manager, The South Indian Bank Ltd., Muvattupuzha branch inaugurated and delivered the keynote address. The ED Club and the Entrepreneurship Development Institute of India (EDII), Ahamedabad jointly organised a three day Entrepreneurial Awareness Camp for the science students during 4th – 6th December 2009. Sri. Sebastian Pothampilly, General Manager, District Industries Centre, Ernakulam inaugurated the camp. Certificates were distributed to the participants. Dr. M.K. Mohanan (Dept. of Commerce) was the Co-ordinator.

FOLKLORE CLUB

In order to preserve the ancient cultural heritage, a Folklore Club is functioning in the College. This year, Folklore Club in association with Malayalam Association conducted a Lecture with demonstration on 'Kalaripayattu' on 3rd Feb. 2010. Dr. Shaji & team, EPV Kalari Team, Kadathuruthy led the programme. A talk by Dr. Annie Thomas, Dept. of Malayalam on 'The objective of Folklore' was conducted on 16 Sept. 2009 and another one on 'Women in Folklore' by Sr. Noel Rose, Dept. of Malayalam on 18 Nov. 2009. Mr. Vincent George (Dept. of Malayalam) and Dr. Suja C. (Dept. of Hindi) were the Co-ordinators.

XAVIER BOARD

Our faculty members attended the Regional Meet of Xavier Board on 1st August 2009 held at Aluva. Two day Retreat conducted from 19th February 2010 for the staff members led by Rev. Fr. Francis Mooreli MCBS. Two students participated in the National leadership camp held at ISI, Bangalore during 30th December 2009 – 1st January 2010. One week Bible Class was conducted for the CSM and Jesus Youth activists. XB unit conducted 'Know Jesus' programme. XB this year also published the annual 'Campus Light' with enlightening articles. Rev. Fr. Vincent Nedungatt, Vice Principal; Rev. Sr. Biji M.P. (Dept. of Malayalam), Ms. Sophy Thomas (Dept. of Statistics) were the Co-ordinators.

ALUMNI ASSOCIATION

The Alumni Association held a special meeting to felicitate the rank holders of the last academic year on 20th August 2009. The chief guest was Mr. P.T. Thomas MP. Rev. Dr. George Thanathuparambil, former Principal delivered the Keynote Address. The rank holders were presented specially designed mementoes. Mr. Thomas Mathew Parackal presided over the function. Prof. P.C. James, Principal and Adv. Tomy Kalambattuparambil, Vice President, felicitated. Mr. Josekutty J. Ozhukayil, Secretary welcomed the gathering and Mr. James Joseph, Joint Secretary proposed the vote of thanks.

The Alumni Day was celebrated on 9 Jan. 2010. Dr. P.S. Sreejith, Principal, FISAT was the Guest of Honour. Life members and alumni from various walks of life along with the former and present teachers of the institution attended. The outgoing degree and P.G. students were inducted into the Association by Sri. T K. Ramakrishnan, Advisor. The Jubilee batch of 1960 was honoured by presenting mementos and *ponnadas*. Mr. Thomas Mathew, President presided over the function.

The evaluation of the Alumni Day 2010 was done in the Executive Committee (EC) held on 17 March 2010. A warm Send-Off function was held on 30th March in honour of the retiring Principal Prof. P.C. James and EC member Prof. Thressiamma George. An august gathering of alumni including eminent personalities like Justice V.K. Mohanan were present on the occasion. The incoming Principal and Ex-Officio President Prof. N. Joy was given a warm welcome.

The EC met five times this year since last Alumni Day. It was on 30th March, 20th July, 15th October and 17th Dec. of 2009 and 17 March of 2010. It was decided to widen our activities to areas like Ernakulam and nearby places. In the 'Meet-a-Prominent-Alumnus' programme conducted on 26th November 2009 Dr. P.B. Salim, District Collector, Kozhikode interacted with the audience.

Departmental alumni gathering of Botany, Chemistry, English, Mathematics, Statistics, Zoology and Commerce were held on various occasions. The Chemistry Alumni presented CANN Award 2009 (Rs. 1001/- and citation) for the best outgoing student.

Talent day 2010 was celebrated on 18th February 2010. Rev Fr. Paul Nedumpurath, former Principal, Newman College Thodupuzha was the chief guest. The best student awards and the gold medals sponsored by the management were distributed. Shabana Basheer (I Rank B.Sc.Mathematics), Arathi P.Nair (I rank in B.A. Malayalam) Preethi John (II rank, B.Sc.Mathematics), Neena Thomas (II Rank M.A.Malayalam), Sumi K.Mohammed (II Rank M.Sc.Zoology) and Parvathi Mohan(III Rank B.Com) were the recipients.

The prestigious golden jubilee gold medal for the best outgoing student was presented to Arathi P.Nair. Tony Sabu Paul (III K) was the winner of Mahanami Charitable Trust Cash award for the Best student. Alumni Association German chapter Scholarship for the Best student was shared by Beena Victor (IV H), Archana V.N.(III P) and Anand Sasi (III E). Prof. Ravi Varma Pandala Memorial Endowment Merit cum means Award for the best student from the Malayalam Department was given to Nayanathara Rajan (III L). Michael Faraday Award 2010 was given to Sreejith Chandran. The best innovative activity award was shared by Aneenamol P.S., Vineetha Venugopal and Thazny Abdulla of Department of English. Dr. Thomas V. Thomas Memorial award for the best student was shared by Akhil Prabhu and Jestin Joseph of III M. Geethu Gopi of III Z won the Mahnami scholarship for the Best student in the degree class and Shanavaz Youzaf, III C won the Rev. Dr. Mathew Thottiyil award for the best student in the department of Chemistry.

Endowment awards at the UG and P.G. level, special mementoes to the outstanding sports persons, NCC cadets and winners of the University Youth festival were distributed. Alumni

Assoc. Bahrain Chapter Awards, Dr.Susan Thomas Memorial awards, Prof .T.J. Francis Xavier awards, awards to the winners of competitions conducted by Varnasala, Women's Cell, Annual Exhibition and Value Education were also distributed in the function.

i) Value education

Value Education Classes were conducted during the first hour on Wednesdays. Discussion papers were prepared and distributed in advance to the faculty members. An essay competition was conducted towards the end of value education classes and the topper were awarded prizes. Three day retreats for all batches were arranged for Christian students, while non-Christians were given moral education classes which proved to be beneficial to the entire student body.

2. New Academic Programmes initiated

Many departments continued the practice of providing computer training to the students in collaboration with the Nirmala Computer Academy. The department of Commerce also provide computer training to the students availing the facility of the computer lab of the department.

In addition, wide programme options are given for the all round development of students. This is done without interrupting the timing of the regular classes.

1. Coaching classes for competitive exams and for entry in service for advanced learners.
2. Career guidance classes, orientation programmes and interdisciplinary seminar sessions are arranged.
3. Remedial coaching classes are provided to slow learners.
4. Foundation course in ICWAI, Tally, Personality Development, and Computer Awareness Course by Department of Commerce.
5. Special coaching is given to PG students for UGC/CSIR test.

UGC/CSIR Coaching programme conducted by Nirmala Institute of Competitive Studies is open to all the Postgraduate students of the college. Under the programme training was given students for all three papers of UGC and CSIR test during 2009-10. Coaching for paper I of UGC/CSIR was provided at the college level. It began with orientation classes conducted separately for UGC/CSIR aspirants. This was followed by classes by experts for different modules of Paper I. These classes were conducted during Saturdays and other

holidays. Coaching classes for Paper II and III were provided at the department level under the initiative of department level faculty co-ordinators.

3. Innovations in curriculum design and transactions

Although the university designs the syllabus the departments take effective steps for the best transaction by proper teaching plan, earnest execution and timely evaluation. At the beginning of the academic year staff meeting is held to prepare curriculum plans. Department level staff meetings are held to discuss the improvements to be made in teaching and learning. An yearly evaluation is conducted to evaluate the performance of all departments. 28 Faculty members from various departments participated in five day workshop “Restructuring of undergraduate education and Semesterisation and Grading in undergraduate education” organized by the Mahatma Gandhi University, Kootayam. Assignment, seminars, and internal exams as part of continuous evaluations were conducted. Students of Communicative English with the earnest guidance of the teachers, applied their know how to bring out a model newspaper, as their maiden venture. The Argus, was released by the Principal presenting the first copy to Mr. Cyriac IAS (retired) during the college day celebrations. Department of Botany offers to the students training in mushroom cultivation. The students can make a career out of these depending on their aptitude. Also these branches of Horticulture are gaining importance day by day.

The career oriented add on courses like e – business, Information Technology and interdisciplinary certificate courses help students to acquire additional skills and offer immense potentialities for self employment thereby contributing to national development.

Academic Review and Performance Evaluation

Internal academic audit for the current academic year was conducted in March 2010 by the IQAC. An IQAC subcommittee was constituted for the same. The members are 1. J. Georgi Neernal, 2. Dr. Thomas Varghese, 3. K.M. George, 4. Dr. James George, 5. Dr. Mathachan Pathiyil, 6. Smt. Lissi S. Plathottam. The IQAC subcommittee visited all the departments, verified all the documents, interacted with the all faculty members and submitted a draft report to the principal.

4. Interdisciplinary Programmes started

Science fest – ‘Exorior 2010’, a joint venture of science students of Nirmala College was celebrated with science lectures and various cultural activities of participating departments.. Interdisciplinary certificate courses in personality development and communication skills, Foundation and Intermediate course in ICWAI, were continued.. The activities of dramatic club,

Women Cell, ED Club, Tourism Club film club, Youth Red Cross, Varnasala and folklore club are inter-disciplinary and are conducted as a collaborative effort of all departments of the college.

The department of Economics continued the interdisciplinary programme SAP (Social awareness programme).

The annual Science exhibition conducted on 5th February 2010 provides an opportunity for all departments to share and exhibit achievements in Science and technology.

5. Examination reforms implemented

Being an affiliated college we follow the guidelines and procedures framed by the Mahatma Gandhi University for conducting exams. However, remaining within the limits we attempt to introduce reforms.

In addition to the internal examinations at the college level, many departments conducted mid term examinations, regular test papers and model examinations. Teachers of various departments participated in the workshops for model question preparation for theory and practical at UG and PG level. In the department of Economics at the beginning of each course a timetable for weekly test papers is prepared. Many departments conducts a post admission test (PAT) for the first year degree students in the beginning of the course in order to evaluate and understand the students. Field visits, laboratory visits, industry visits and the reports prepared on these visits are also considered for University exam. Continuous evaluation of a student is aimed at by these measures taken in regard to the exams.

6. Number of candidates qualified NET/SET

Number of candidates qualified NET – 1

Number of candidates qualified SET – Nil

7. Initiatives towards Faculty Development Programme

Two faculty members were selected for F.I.P. of UGC and five faculty members participated in refresher course. All faculty members participated in seminars/workshops/invited talks organised by the college and also in other institutions. Two staff members participated in Faculty development Programme in ‘Entrepreneurship’ sponsored by Entrepreneurship Development Institute, Ahamedabad organised by Technopark TBI, Trivandrum.

8. Total number of seminars/workshops conducted

Number of seminars conducted – 16

Number of workshops conducted – 8

9. Research projects (On going)

Name of Faculty	Dept	Funding Agency	Amount (Rs)	Nature	Topic	Status
Dr. Seethalakshmi V.	Statistics	UGC	1,25,000	Minor	Discrete Laplace Distribution and its Generalizations- Application in Reliability Analysis and Financial Modeling	Newly Implemented
Dr. Mathachan Pathiyil	Statistics	UGC	40,000	Minor	Record values from exponential and geometric distributions and associated inference	Completed
Dr. Sr. Tessy Joseph	Botany	UGC	90,000	Minor	Pharmacognosy	Ongoing
Dr. James George	Hindi	UGC	90,000	Minor	Study of Hindi as second language in Colleges- Impact, Problems and Solutions.	Ongoing
Dr. Sanish P.B.	Sanskrit	UGC	65,000	Minor	Cultural Influence of Koodiyattam in the formation of Kerala social life A cultural study	Newly Implemented
Dr. Beenamma Mathew	Malayalam	UGC	540,000	Major	Cultural Heritage of Kodungalloor	Newly Implemented
Dr. Marthakutty Joseph	Chemistry	UGC	1,05,000	Minor	Analysis of soil samples from Rubber and Pineapple cultivation in different region	Ongoing
Jose Karikunnel	Chemistry	UGC	85,000	Minor	Investigation of Various Chemical Factors Affecting Tea Flavour	Newly implemented
Dr. Shaju Thomas	Zoology	KSBB*	7,000	Documentation	Campus Biodiversity Register	Completed
Lizamma Abraham K.	Economics	UGC	25,000	Minor	Socio-Economic Problems of Hill Tribes - A Case Study of Kuttampuzha Panchayat	Ongoing
J Georgi Neernal	Economics	UGC	30,000	Minor	Implications of Ageing and Socio-Economics Problems of Old Aged in Kerala - A micro level study in Idukki	Ongoing
Emmanuel Thomas	Economics	UGC	30,000	Minor	Human Development Index of Dalits in Kerala - A Case Study of Idukki	Ongoing
Rev. Dr. T.M. George	Economics	UGC	8,39,700	Major	Impact of the Economic Status of the Students on their Value Formation in	Ongoing

Ongoing Research Scholars

Full Time

Sl. No	Name	Department
1	Leena John	Botany
2	Rani Mathew	English

Part Time

Sl. No	Name	Department
1	Sunny Joseph	Physics
2	J Georgi Neernal	Economics
3	Emmanuel Thomas	Economics
4	Joy Joseph	Politics
5	Jenny K Alex	Economics
6	Thresiamma George	Chemistry
7	Jose Augustine	English
8	Amstrong Sebastian	English
9	Fr. Vincent Joseph	Malayalam
10	Josekutty J Ozhukayil	Chemistry
11	Vincent George	Malayalam
12	Saji Joseph	Mathematics
13	Ramani Ammal A.	Hindi
14	Sasikala K. Joseph	Zoology
15	Seema Joseph	Malayalam
16	Sr. Biji M.P.	Malayalam

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

11. New Collaborative research programmes

Zoology

- Collaborate with centre for Diversity Studies(CDiS) for nature conservation and environmental education activities.

Chemistry

- The Department collaborates with Colour India Paints & Inks Pvt. Ltd, Alwaye for technology development.

Commerce

- The Department collaborates with Industries Department, Govt. of Kerala to organize entrepreneurial development activities to promote entrepreneurial skills in the students of the college
- The Department collaborates with Kottancherril Pharmaceuticals to market their herbal ayurvedic medicines.
- The Department has entered into a tie-up with The Institute of Cost and Works Accountants of India Cochin Chapter to offer coaching for the Intermediate and Foundation Courses of ICWAI

Physics

- The Department of Physics collaborates with the department of Studies in Physics Mangalore University, Mangalore, Karnataka State for Nano Science Research

12. **Total research grant received from various Agencies** : Rs. 9,74,580

13. **Number of Research Scholars** : 57

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

SI.No	Name	Impact factor
1	Dr. Thomas Varghese	1.397
2	Dr. Johny Scaria	0.747

15. Honours and Awards to the Faculty

One faculty member namely Smt. Jaseentha O.P. was awarded Ph.D. in Physics from M.G. University. Lt. Dr. V.C James, faculty member of Department of Hindi and ANO of NCC unit, was the Coach of the Indian Team for the World Junior Championship held at Suhl, Germany from 10th to 16th May 2010. Prof. K.J. Francis, HOD department of Physical Education was the Manager of Mahatma Gandhi University Best Physique Team who participated in the All India

Inter University Best Physique championship held at Amritsar, Punjab. Rev. Sr. Tessy Joseph, Sel. Grade Lecturer in Botany and NSS programme officer of the college has been selected for Certificate of Merit for Exemplary Service during the year 2009 -10.

16 Internal Resources generated

Internal resources to the tune of Rs. 6,00,000 has been mobilised by the college from parents and benefactors for the retarring of roads inside the campus.

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

assistance/ recognition : Nil

18. Community Services/ Extension Activities

Community oriented programmes of the college implemented through the activities of various clubs and forums and academic departments. Most of the students were active members of NSS and NCC. Students and faculty members contributed generously for the needy students and their family members. Students wholeheartedly contribute to the “ one day meal programme” by the CSM.

NSS (National Service Scheme)

The inauguration of the NSS activities of the academic year 2009-2010 was held on 30 -7-2009. Mr. Jenni K. Alex , faculty of the Department of Economics, was appointed as the new programme officer.

Minicamp

The first mini camp of the NSS unit was conducted on 7th , 8th and 9 August 2009. the camp was inaugurated by Mrs. Shally Jain, Avloy Grama Panchayat President. The activities included in the camp were orientation classes for NSS volunteers, campus cleaning, and classes on morality and personality development. 230 NSS volunteers attended the first mini camp.

AWARENESS PROGRAMME ON H1N1

An awareness programme on swine flu was organized by NSS unit on 15 th Sept. 2009. The invited talk on causes, signs and remedies of swine flu was delivered by Dr. Anu C. Kochukunju, Government Hospital, Muvattupuzha.

ONE DAY ORIENTATION PROGRAMME

A one day orientation programme for NSS volunteers was conducted on 2-10-2009 in connection with the *Gandhi Jayanthi*. Mr. Sajan Joseph ,the former NSS volunteer led class on Motivation.

ORIENTATION FOR NSS PROGRAMME OFFICERS

Programme officer, Mr. Jenni K Alex attended the orientation course at Rajagiri College Kalamassery from 6th October to 15th October 2009

BLOOD GROUP IDENTIFICATION CAMP

The blood group identification camp for first year degree students was organized on 13th ,14th and 15th October 2009.

SPECIAL CAMP

The special camp of NSS unit was held at Mamalakandom, Kuttumpuzha Gramma Panchayat from 18th to 23rd December 2009 . The camp was a successful one with the participation of 150 NSS volunteers who actively contributed their sincere service to the reconstruction of Metnappara rural road.

STATE LEVEL CAMP - 'VISION 2010'

The NSS of Mahatma Gandhi University organized a state level camp **on anti-drug campaign - Vision 2010** at Nirmala College Muvattupuzha from 4th to 8th February 2010. The camp was inaugurated by Mr. Babu Paul MLA. Dr. Rajan Varghese, Hon'ble PVC, M.G University presided over the function. Dr. Rajan Gurukkal, Hon'ble Vice-Chancellor, M.G University had his special address to the campers. NSS volunteers from various universities all over Kerala and boards in the state came together on a common platform for interactive learning and exposure.

NCC (National Cadet Corps)

The NCC activities of the year began in the month of June 2009. The band training for the second year students began on 14 June 2009. The performance of our band set was highly applauded on the Independence Day celebrations of Muvattupuzha Municipality.

Sgt. Solomon Johny was selected as the Sr. Under Officer and Sgt. Vidhya V. was selected as the Senior under officer for the senior wing. Mr. K. M. Sabu Mathew, Dy.S.P. of Muvattupuzha

inaugurated the activities of the year. The cultural extravaganza by the cadets added colour to the function.

Cadets U/O Akhil M.R. and U/O Chandni Prasad were selected to attend the TSC at New Delhi. A Cycle Rally was conducted on 21 November 2009 to enhance the awareness regarding cancer. Cadets had a fantastic time during their Trekking to Edamalayar on 12 December 2009. Cadets had an opportunity to interact with and learn about the life of the Tribes of that area. Their way of living, hard work, optimistic view, simplicity etc. were very much inspiring to the cadets.

A Band Salute was given to Hon. Union Minister Mr. K.V. Thomas on 25 January 2010. Republic day was observed with high dedication and seventy five cadets did a marvellous performance during the Republic Day Parade organised by the Municipality. It is worth mentioning that all our cadets have passed the B Certificate Examination with high grade and a special congratulations to all our senior wing lady cadets for securing A grade in their C certificate Examination. Annual firing practice for our cadets was conducted on 4 February 2010 and on the same day, after noon we conducted our formal closing ceremony.

Consultancy

Department	Field or Area of consultancy	Name of the faculty
Chemistry	Consultant-Small Scale industry-in surface coating- Colour India Paints and Inks Pvt. Ltd.	P R Ramachandran (Sel. Grade Lecturer)
Chemistry	DRC testing of natural rubber	Mercyamma Jacob (Sr. Scale Lecturer)
Chemistry	Water quality analysis	Josekutty J Ozhukayil (Lecturer.Sel Scale)
Commerce	Income tax consultancy services to faculty members of the college	Sri K M George
Commerce	Consultancy in preparing the accounts of the Alumni Association of Nirmala college , Center for Diversity Studies and Prof. George Paul foundation	Sri. James Joseph

Commerce	Consultancy in the editorial work of the journal Science and Society, the bi-annual research journal of NARP.	Sri. Joy N.
Commerce	Voluntary organization	Dr. G S Gireeshkumar
Mathematics	Income tax consultation to the teachers and non teaching members of the college.	Sri. Saji Joseph
Zoology	Consultancy services to Kottencherril Pharmaceuticals for the development of herbal medicines.	Shaju Thomas
Botany	Consultancy services to Kottencherril Pharmaceuticals , Vazhakulam for identification of plants.	Philomina T V
Statistics	Consultancy for research data analysis	Dr. T M Jacob

19. Number of teachers newly recruited : 1

20. Teaching-non teaching staff ratio : 124 : 45

20. Improvement in Library Services

The library has separate sections for back volumes and reference. It has career house, News house, and research centre. Free internet facility is provided in the Digital Library. A good collection of CD is yet another facility. It functions from 8.00am to 8.00pm. The automated library provides facilities like On-line Public Access Catalogue (OPAC), computerized circulation facilities and information retrieval facilities.

The data base will provide information regarding books accessed in the library, status of the book, reservation facility and information regarding the journals subscribed in the library, multimedia available in the library, bound volumes of journals available in the library etc.

22. Number of new books / journal subscribed and their value

243 new books were purchased during 2009-10 and the cost was Rupees 51306/-. The number of journals subscribed during 2009-10 were 86 and the cost for the same was Rupees 91280/-.

23. Number of Courses for which student assessment of teachers

is introduced and the action taken on students feed back.

Student assessment of teachers is being continued for UG and PG courses based on a well-defined evaluation profoma. Department level meetings are conducted for evaluation and improvement. In the evaluation session the filled up evaluation forms of the teachers are distributed among the teachers concerned for self-analysis. A consolidated score sheet is prepared with the expertise of statistics Departments, using a software and result sheet given to faculty members individually with suggestion for improvement wherever necessary..

24. Unit cost of education

The unit cost of education including salary component is Rs. 51260/- and excluding salary component is Rs.22303/-

25. Computerization of administration and the process of Admissions and Examination results and issue of certificates

Employing softwares, all the departments of the college carry out the process of admissions, prepare question papers for the internal examination, progress report and other documentations. All sections of the office are fully computerized.

26. Increase in the infrastructural facilities

The utility block accommodates NSS and NCC offices, Co-operative store, Post office and staff co-operative society and provides good service. The seminar Halls of the new library building was renovated by providing better ceilings. The Audio Visual Hall of the college was renovated by providing better ceiling and Air Conditioner facilities.

27. Technology upgradation

All the departments are using computers for documentation and presentation of data. OHP, Slide Projector and 10 LCD/DLP Projectors are being used as teaching aids as and when required.

28. Computer and Internet access and training to teachers and students.

Broadband Internet facility through Data Line connection is made available for both teachers and students. In the campus, there are six computer labs with 260 computers. The computer

labs in the main block mostly concentrate on regular curriculum activities and project work. The teachers and students of the college have accessibility to the computer lab and Internet facility. 74 computer terminals are provided with broad band internet facility.

The Department of commerce offers a short term computer training course to students who have not opted computer education as part of their syllabi.

28. Financial aid to Students

Sixteen degree students and one postgraduate student have got Muslim/Nadar girls Scholarship. 490 students have obtained KPCR fees concession. 8 degree and 9 postgraduate students have got University merit Scholarship. 20 UG students and 4 PG students have got Kerala Government Golden Jubilee Scholarship. One PG student has got single girl child scholarship. 48 UG students from various categories got UGC scholarship. Two UG students have got ZMinority Scholarship and one UG student has got central sector scholarship. In addition the institution gives away several endowment awards instituted by the former faculty and benefactors of the College. Forty eight such awards are given out of a total corpus of rupees two lakhs ninety three thousand. Free noon meals are provided from the student's aid fund of the teaching staff.

30. Activities and support from the Alumni Association

The Alumni Association held a special meeting to felicitate the rank holders of the last academic year on 20 August 2009. The chief guest was Mr. P.T. Thomas MP. Rev. Dr. George Thanathuparambil, former Principal delivered the Keynote Address. The rank holders were presented specially designed mementoes. Mr. Thomas Mathew Parackal presided over the function. Prof. P.C. James, Principal and Adv. Tomy Kalambattuparambil, Vice President, felicitated. Mr. Josekutty J. Ozhukayil, Secretary welcomed the gathering and Mr. James Joseph, Joint Secretary proposed the vote of thanks.

The Alumni Day was celebrated on 9 Jan. 2010. Dr. P.S. Sreejith, Principal, FISAT was the Guest of Honour. Life members and alumni from various walks of life along with the former and present teachers of the institution attended. The outgoing degree and P.G. students were inducted into the Association by Sri. T K. Ramakrishnan, Advisor. The Jubilee batch of 1960 was honoured by presenting mementos and *ponnadas*. Mr. Thomas Mathew, President presided over the function.

The evaluation of the Alumni Day 2010 was done in the Executive Committee (EC) held on 17 March 2010. A warm Send-Off function was held on 30th March in honour of the retiring Principal Prof. P.C. James and EC member Prof. Thressiamma George. An august gathering of alumni including eminent personalities like Justice V.K. Mohanan were present on the occasion. The incoming Principal and Ex-Officio President Prof. N. Joy was given a warm welcome.

The EC met five times this year since last Alumni Day. It was on 30th March, 20th July, 15th October and 17th Dec. of 2009 and 17 March of 2010. It was decided to widen our activities to areas like Ernakulam and nearby places. In the 'Meet-a-Prominent-Alumnus' programme conducted on 26th November 2009 Dr. P.B. Salim, District Collector, Kozhikode interacted with the audience.

Departmental alumni gathering of Botany, Chemistry, English, Mathematics, Statistics, Zoology and Commerce were held on various occasions. The Chemistry Alumni presented CAAN Award 2009 (Rs. 1001/- and citation) for the best outgoing student.

31. Activities and Support from the Parent-Teacher Association

This year the PT A extended their full support for the smooth functioning of the College. One general meeting and three executive meetings were held in the academic year. Different Departments convened class-wise PTA meetings. Shri. Joseph Mathew Pichappillil was elected the Vice-President of the PTA.

The re-tarring works of the roads inside the campus were completed with the assistance of the PTA.

32. Health Services

Medical inspection is conducted for all students. Classes are given on hygiene and cleanliness. Blood group identification was conducted with the involvement of Blood Donation Club.

33. Performance in Sports Activities

National

- Deepu E. J. and Manu Prasad R. K. played for Kerala in the National Handball Championship.
- Judil Varghese played for Kerala in the National Football Championship.
- Ashiq V.A. secured 10th position in the National Body Building Championship

State Level

- Manu Prasad R.K. and Deepu E.J. secured third position in Jr. State Handball Championship held at Thiruvananthapuram.
- The team consisting of Manoop Subair, Sujil N.S., Jis Varghese, Judil Varghese, Anu Shaji and Praveen Mohan secured second position in Jr. State Football Championship held at Idukki.
- Manoop Subair, Jis Varghese and Judil Varghese selected for State Level Football Camp.

Intercollegiate

- Our team won Fr. L.D. Murphy Memorial South Indian Football Championship held at Layola College, Chennai.
- Ist place in the Bp. Kavukatt memorial Intercollegiate Football tournament held at St. Aloysious College, Edathua and Marthoma Trophy Intercollegiate Football tournament held at Marthoma College, Thiruvalla.
- Football team won Msgr. Thomas Nedumkallel Memorial Intercollegiate Football Tournament held at Nirmala College, Muvattupuzha.
- Football team secured II place in the M G University North Zone Championship.
- Volleyball team secured 2nd place in the M.G. University North Zone Intercollegiate Championship.
- M.G. University Interzone Football Championship for men. Venue: Nirmala College, Muvattupuzha. Runner Up: Nirmala College, Muvattupuzha.

Prof. George Paul Memorial Tournament

Prof. George Paul Memorial All Kerala Intercollegiate Volleyball Tournament was conducted from 29th to 30th September 2009. K.E. College, Mannanam bagged the winners trophy and Baselious College, Kottayam became Runner up. Mr. Babu Paul MLA inaugurated the tournament and Mr. P. K. Nalan, RDO of Muvattupuzha distributed the trophies.

MG Univ. Best Physique team

Prof. K.J. Francis, HoD of the Department was the Manager of M.G. University Best Physique team who participated in the All India Inter-University Best Physique Championship held at Amritsar, Punjab.

34. Incentives to outstanding sports persons

The outstanding sports persons are given free boarding and lodging in the sports hostel. They are also provided financial assistance. We give help and proper guidance to the top class

players to find out placement in and out of Kerala. We arrange felicitators meeting in the college auditorium to honour them when they come with laurels. Endowment cash awards are given to the top performers. We conduct annual sports meet, All Kerala Inter collegiate Volleyball Tournament and football tournament every year to promote and encourage the players.

35. Student achievements and awards.

Talent Day

Talent day 2010 was celebrated on 18th February 2010. Rev Fr. Paul Nedumpurath, former Principal, Newman College Thodupuzha was the chief guest. The best student awards and the gold medals sponsored by the management were distributed. Shabana Basheer (I Rank B.Sc.Mathematics), Arathi P.Nair (I rank in B.A. Malayalam) Preethi John (II rank, B.Sc.Mathematics), Neena Thomas (II Rank M.A.Malayalam), Sumi K.Mohammed (II Rank M.Sc.Zoology) and Parvathi Mohan(III Rank B.Com) were the recipients.

The prestigious golden jubilee gold medal for the best outgoing student was presented to Arathi P.Nair. Tony Sabu Paul (III K) was the winner of Mahanami Charitable Trust Cash award for the Best student. Alumni Association German chapter Scholarship for the Best student was shared by Beena Victor (IV H), Archana V.N.(III P) and Anand Sasi (III E). Prof. Ravi Varma Pandala Memorial Endowment Merit cum means Award for the best student from the Malayalam Department was given to Nayanathara Rajan (III L). Michael Faraday Award 2010 was given to Sreejith Chandran. The best innovative activity award was shared by Aneenamol P.S., Vineetha Venugopal and Thazny Abdulla of Department of English. Dr. Thomas V. Thomas Memorial award for the best student was shared by Akhil Prabhu and Jestin Joseph of III M. Geethu Gopi of III Z won the Mahnami scholarship for the Best student in the degree class and Shanavaz Youzaf, III C won the Rev. Dr. Mathew Thottiyil award for the best student in the department of Chemistry.

Endowment awards at the UG and P.G. level, special mementoes to the outstanding sports persons, NCC cadets and winners of the University Youth festival were distributed. Alumni Assoc. Bahrain Chapter Awards, Dr.Susan Thomas Memorial awards, Prof .T.J. Francis Xavier awards, Awards to the winners of competitions conducted by Varnasala, Women's Cell, Annual Exhibition and Value Education were also distributed in the function.

List of Awardees

Gold Medals – Sponsored by the Management

Gold Medals

1. Shabana Basheer- I Rank , B.Sc. Mathematics
2. Arathy P Nair - I Rank, B.A Malayalam
3. Preethi John - II Rank, B.Sc. Mathematics
4. Neena Thomas - II Rank, M.A Malayalam
5. Sumi K Muhammed- II Rank, M.Sc. Zoology
6. Parvathy Mohan - III Rank, B.Com.

BEST STUDENT AWARDS

II Golden Jubilee Gold Medal for the best outgoing student – Arathy P Nair

III K.Narayanan Nair Memorial Cash Award instituted by Mahnami Charitable Trust for the Best Student – Tony Sabu Paul III K

IV Alumni Association German Chapter Scholarship for the best student (Merit Cum Means. – Beena Victor IV H., Archana V N III P, Anand Sasi III E

V Prof.Ravi Varma Pandala Memorial Endowment Merit Cum Means award for the Best Student in the Dept. of Malayalam. - Nayanathara Rajan III L

VI Michael Faraday Award instituted by the Faculty of Chemistry for the Best Student in the Dept. of Chemistry. Sankara Warriar K. R.

VII Best Innovative Activity Award instituted by Rev. Dr. T.M.George.

1. Aneeamol P.S,
2. Vineetha Venugopal and Thazny Abdulla

VII Best user of Library Award instituted by Mr. K.Gopalakrishnan Nair – First Batch Alumnus.

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IX Dr. Thomas V.Thomas Memorial Award for the Best Student (Merit cam Means) –

1. Akhil Prabhu III M
2. Jestine Joseph III M

Degree Level Awards

Award	Eligibility	Winner
Msgr. Thomas Moothedan	Top Scorer B. Sc. (Maths.)	Shabana Basheer
Prof. P. M. Kurian	“ B. Sc. (Physics)	Shefy P K
Mary Joseph Vallamattom	“ B. Sc. (Chemistry)	Agitha A R
Prof. K. V. Joseph	“ B. Sc. (Botany)	Rani M Gopal
Prof. A. M. Joseph	“ B. Sc. (Zoology)	Nivya Maria
George		
Minister K.M.George &	“ B. A. (Economics)	Anatha Lakshmi C

Prof. M. C. Mathew		
Prof. P. V. Varghese	“ B. A. (Hindi)	Sr. Swapna Xavier
Prof. K. U. Mathew	“ B. A.(Comm.English)	Aneenamol P S
Prof. P.J. Micheal	Meritorious student III P	Archana V N
Prof. K. K. Emmanuel	Top Scorer B. Sc. (Zoology) Practical	Renju Paul
Prof. George Kuriakose	Merit Cum Means Award for best student III P	Archana V N
Prof. Sr. Benjamine	Top Scorer II B. Sc. (Maths) Main & Sub	Akhil Prabhu
Prof. Joseph Puthenpura	“II B. Sc. (Botany) Main only	Chithra Jose
Dr. Sheela Issac	“II B. A. (Hindi) Main only	Vishnu Thankappan
Prof. George Kuriakose	Merit cum Means Award for the best student II P	Bitta Eldho
Msgr. Mathew Palamattom	Top Scorer II B. A./ B.Sc. Part I English for Science	Ajin Ramlal Saindu
Msgr. Thomas Nedumkallel	“II B. A./ B.Sc. Mal., Part II	Alphonsa Francis
Prof. P.J. Micheal	Meritorious student II P	Sreeja Sasidharan
Prof. P. M. Devasia	Top Scorer II B. A./ B.Sc. Part I English for Humanities	Fathima Begum
Prof. George Kuriakose	Mert cum Means Award for the best Student I P	Milu John
Prof. P.J. Micheal	Meritorious student I P	Sarath R
Prof. K. U. Chacko	Top Scorer B. A. (Mal.)Sanskrit Sub	Alphonsa Francis & Nayanathara Rajan
Prof. N. M. Paulose & Prof. Devassy Manjooran .	II B. Com Part III	Manjusha M Kammath
Paily Joseph Nithiri Memorial Endowment	B. Com. (Business Law)	Amal Murali Rakhi Rajan
Prof. Valsa George	Top Scorer B A Communicative English	Aneenamol P S
Adv. Joseph Vallamattom Award	Top Scorer II B A/ B.Sc. Part II Malayalam (Science)	Sr. Josy John
Adv. Joseph Vallamattom Award	Top Scorer II B A/B.Sc. Part II Malayalam (Humanities)	Sr. Alphonsa Francis
Mr. K V Joseph Endowment award	Topper B Sc. Wards of NTS NCM	Mekha Thomas

P. G. Level Awards

Prof. P. C. Tharu	M. Sc. (Statistics)	Deepa Joseph
Rev. Dr. Mathew Thottiyil	M. Sc. (Chemistry)	Sreejith Chandran
Prof. C. J. Joseph	M. A.(Final) Economics	Vincy Vijayan
Rev. Dr. John Vallamattom	M. Sc. (Statistics) III rd & IV th Sem.	Deepa Joseph
Prof. C. P. Ananthalekshmi	Best student in MA(Previous) Hindi	Daissy Peter
Prof. T. M. Mathews	Top M. Sc. (Chemistry), Rank list	Mily Mol
Prof. V.A Mathew	Top Scorer M.Sc Chemistry Previous	Supriya Prabhakaran
Ms. Mary John Manchappilly Award	II M. A. Malayalam	Neena Thomas
Prof. Sebastian Kachira Endowment Award	M. A. (Economics) I Semester	Neenu James
Prof. Cheriachan George Memorial Endow. Award	Top Scorer M.Sc (Zoology)	Sumi K Muhammed .
Prof. K. V. Devasy	M. Com. Financial Accounting	Sajana Meeran
Prof. C. P. Ananthalekshmi	Best student in MA(Final) Hindi	Anjaly Joseph

Dr. Susan Thomas Memorial Awards –

Best Student Award

Best Student in final year Communicative English Class – Gissin Jose

Dr. Susan Thomas Memorial Awards For Topper In Paper –I English In First Year Degree Class

Class	Winner
I Mathematics	Dhanya Thomas
I Physics	Julie Francis
IPhysics Voc.	-----
I Chemistry	Sanuja Haleel
I Botany	Ansree Surendran
I Zoology	Athira V Raj
I Communicative English	Prince Samuel Joseph
I Hindi	Jismol T T
I Malayalam	Afina Mary Saju
I Economics	Chandini Prasad C
I Commerce	Darly Sebastian
I Commerce Voc.	Hanna James

Prof. T. J Francis Xavier Award for Toppers in B.Com & M.Com

Class	Winner
I B Com (Admission rank Topper List)	Bejo K Benny
I B Com (Voc) Admission rank Topper List)	Shahana Udeen
II BCom (Topper, I BCom Uty. Exam)	Nikhil K Madhu
II B Com Voc. (Topper, I BCom Uty. Exam)	Joice Jolly
III B Com(Topper,II BCom Uty. Exam)	Manjusha M Kammath
III B Com(Voc) (Topper,II BCom Uty. Exam)	Soniya Mary Simon
(Topper I MCom admission Rank list)	Parvathy Mohan
(Topper II MCom Uty Exam)	Divya James

Prof. T J Francis Xavier Proficiency Awards

Class	Winner
I K	Rahul Dev P G
I KC	Ashnamol Basheer & Anila T Sebastian
II K	Nikhil K Madhu
II KC	Joice Jolly
III K	Rahul Sunny
III KC	Darsana Sajikumar
IV K	Parvathy Mohan
VK	Divya James

Endowment Awards for Literary Competition Winners

Award	Eligibility	Winner
Prof. P. T. Chacko	Best Essay (English)	Dhanya Thomas, II M
Adv. Joseph Augustine	Best Orator in English	Dhanya Thomas, II M
Adv. Joseph Augustine	Best Orator in Malayalam	Asha Abraham, I M
Rev. Dr. John Vallamattam Award instituted by Jacob Mittathanickal	Essay (Malayalam)	Mini Mariya Thomas, II L Alphonsa Francis, III L Fr. Jestin K Kuriakose

Rev. Sr. Rosakutty Kappen	Poem Writing (Malayalam)	Arathy P Nair , IV L
Prof. N. I. Abraham	Sports Champion (Men)	
Prof. Leelamma Jacob	Sports Champion (Women)	

ALUMNI ASSOCIATION AWARDS

Bahrain Chapter Awards (Toppers BA/B Sc/B Com Degree)

Class	Winner
Mathematics	Shabana Basheer
Physics	Shefy P K
Physics(Voc)	Anuja K C
Chemistry	Agitha A R
Botany	Rani M Gopal
Zoology	Nivya Maria George
Communicative English	Aneenamol P S
Economics	Anathalakshmi C
Malayalam	Arathy P Nair
Hindi	Sr. Swapna Xavier
Commerce	Parvathy Mohan
Commerce Voc.	Anjaly R

Sports Awards (Mementos)

Winner	Eligibility
Manu Prasad R K, II C	Participation in National Jr. Handball Championship & Inter University Hand Ball Championship.
Roopesh K P, I E	Participation in Inter University Handball Championship & (Jr. State Handball) .
Deepu E J, III K	Participated in junior National Handball Championship and InterUniversity Handball Championship
Ashiq V A, II H Idukki	Participation in National Body beauty competition and Mr.
Jis Varghese Championship Manoob Subair member.	Youth football National and Inter University Football Youth Football National and M G University team
Judil Varghese	Jr. Football National Championship

Nasirudeen P M Participation	M G University Handball II Prize and Inter University
Abhilash A Participation	M.G University Handball II Place and Inter University
Amal C Bose	M G University Best Physique competition III place
Manoj V K Championship	M G University Foot Ball – II Place & Inter University
Nikhil Sabu Championship	M G University Football – II Place and Inter University
Vipin Das M Championship	M U University Football – II place & Inter University

N.C.C Awards – Mementos

Winner	Eligibility
Akhil M. R.	S/UO TSC 2009
Chandini Prasad	U/O TSC 2009
Mibin Varghese	Nirmala Band Senior

Special Awards - Mementoes to University Youth Festival winners

Anusree N.	II Prize in Collage
Fr. Varghese Paul	I Prize in Essay writing – Malayalam
Vidya S. Iyer	A grade in Kavyakeli

Women’s Cell Awards Group Dance

1. Depts.of Economics & Commerce
2. Dept. of Communicative English
3. Dept. of Zoology

Winners of competitions organised by Varnasala

Pencil Drawing Competition

I st Prize	:	Shervin Skaria, II PV
2 nd Prize	:	Veena Ravi, II M
3 rd Prize	:	Teena Thomas, III M

Mementoes to College Prayer song team

Reshma Ravi III E

Anju Johny II E

Nimmy III E

Annual Exhibition College Level Winners

Hobby Collections:

I Prize: Dinta Elizabeth Manuel, I L

II Prize: Nevin N.G. V E

III Prize: Arun Kumar II KC

Individual Item

I Prize: Shinto Xavier II E

II Prize: Bismitha Nazeer IL

III Prize: Jacob Sunny, IK

Best Association

I Prize: Economics

II Prize: Zoology

III Prize: Commerce

Best Association Secretary

Shinto Xavier IIE

Best Class Representative

Girl: Delphi Antony IE

Boy: Joshy Thomas III E

Value Education Awards

Class	Winner
I M	Anna Kuruvila
II M	Harikrishnan O.J.
III M	Akhil P. Vasu
I P	Kesiyamol E.V.
II P	Merin Jose
III P	Venugopal P.
I PV	Daisy George
II PV	Jomat Devassy

III PV	Muhammad Falak T.E.
I C	Anusree N.
II C	Tintu Jose
III C	Anjalimol Sebastian
IV C	--
V C	Silpa Merlin
I B	Evin Paul
II B	Asha Augustine
III B	Anjali Saji
I Z	Sr. Silvy Varghese
II Z	Sr. Alphy Manuel
III Z	Bijosh M.B.
IV Z	--
V Z	Sijo Joseph
IV S	--
V S	Sreejith M.V.
I E	Amal Lal P.V.
II E	Anju Johny
III E	Ramya Raj
IV E	--
VE	Sreekuttan C.K.
I CE	Don Mathew Joseph
II CE	Pinky Baby
III CE	Gissin Jose
I L	Dinta Elizabeth Manuvel
II L	Mini Maria Thomas
III L	Alphonsa Francis
IV L	--
V L	--
I H	Rani George
II H	Sr. Jissmol
III H	Rubiyya M.M.
IV H	--
V H	Daissy Peter

I K	Anitta Paul
II K	Anwin Kareem
III K	Tony Sabu Paul
IV K	--
V K	Sulfi Fakeer
I K C	Kuriachan Manuel
II KC	Rosemary PL
III K C	Nitheesh G.
I BCA	Nimmya Joseph
II BCA	--
III BCA	Antony Jones
I MCA	Sreeja Rajan
IIIMCA	Ancy Emmanuel
V MCA	Aswathy P.

36. Activities of the Guidance and Counselling Unit The Counselling Cell of the College has been working since 1999. Class teachers and tutors identify the students with problems. Teachers give them personal counselling. If they cannot solve the problem, they direct the students to professional counselors working in the college. Also students approach them voluntarily.

The Cell offers counselling service on three working days from 10 am to 4 pm. (Monday – Sri. Mathew Sebastian; Tuesday - Sr. Vineetha FCC; Wednesday – Sri. Mathew Sebastian)

The professional counselors are assisted by two lady teachers Ms. Jessy John and Ms. Sophy Thomas who have undergone the basic training course in counselling conducted by the Department of Student Services, M G University, Kottayam. Sri. Mathew Sebastian offers value based classes for the students. The Counselling Cell helps the students to help themselves to change their attitudes and to get a deeper knowledge of self awareness.

37. Placement services provided to students

The Career Guidance and Placement Cell conducts seminar in first and third Saturdays of every month. The seminars were on Interview Techniques, Group Discussion, telephonic

interview, personality development, job opportunities abroad and on higher education. Twelve seminars and nine recruitments were conducted in this academic year.

38. Development programme for non-teaching staff.

The work of Non Teaching Staff members is assessed through the personal Register and self appraisal and through periodical meetings and discussions. Five of our non-teaching staff members were participated in the two day orientation programme in File Management organised by M.A. College, Kothamangalam. .

39. Best Practices of the College.

- Teacher evaluation by students
- Internal academic audit by the IQAC
- Feedback from various stakeholders
- Decentralising administrative functions by constituting various committees
- Annual Science and Art Exhibition
- Functioning of a publication division
- Teacher's Diary
- ICT in teaching
- Training in Mushroom Cultivation

40. Linkage developed with National/International Academic/Research bodies.

Collaboration with the faculty of the Indian Institute of Science for the conduct of the state level seminar on evolutionary biology.

41. Any other relevant information the institution wishes to add

All subject associations of the college organized **welcome** for freshers, **farewell** for final years, Onam and Christmas celebrations. They brought out manuscript magazines to give expression to their creative talents.

The college has a sprawling campus of 53 acres which is plastic free and eco friendly. A life guidance programme for the final year students was conducted this year too.

The college publishes a newsletter “**Nirmala Digest**” annually, incorporating all the activities of the college. **College Magazine** is also published.

We observe **Talent Day** to honour rank holders and outstanding students and to give away the awards instituted in the college.

The college is having a publication and information division, viz **Nirmala Academic and Research Publications (NARP)**, which publishes the multi disciplinary, peer- reviewed, biannual research journal “Science and society”.

The consultancy service division “**Edison circle**” provides consultancy in areas such as nature conservation, environmental education, statistical data analysis, solid waste management, water quality analysis, mushroom cultivation etc.

Nirmala Institute of competitive studies organises **coaching classes** for UGC – CSIR test.

PART C

Plans of the institution for the next year

- ✓ To install a biogas plant and solid gas crushing unit for the effective disposal of waste from the college canteen.
- ✓ To renovate the Electrical and water supply facilities of the college, with the aid of Infrastructural Grant of UGC.
- ✓ Improve infrastructure of all the departments.
- ✓ Re arrange the laboratory support systems and make it more user friendly.
- ✓ Encourage teachers to take up Research Projects.
- ✓ To improve the class room facilities
- ✓ To organize seminar already sanctioned by UGC.
- ✓ To organize UGC sponsored seminar on “Darwinism and Modern Evolutionary Biology”.
- ✓ To organize a workshop in Mushroom Cultivation in collaboration with INFARM.
- ✓ To organise Rev. Dr. Mathew Thottiyil Memorial Lecture in an emerging fields of chemistry.
- ✓ Make internet knowledge compulsory to prepare the assignments and projects.

- ✓ Provide an orientation programme to the students to introduce the many programmes of the college.
- ✓ Avail the value education hours to introduce the many programmes
- ✓ Conduct training programmes in Personality development and soft skills.
- ✓ Make the documentation of IQAC more effective with the help of a software
- ✓ Continue the value addition programmes as part of the curriculum: Each department may start a diploma or certificate course as part of improving the curriculum content and issue certificates
- ✓ Interdisciplinary programmes will be organised by way of invited talks, seminars etc. with the assistance of subject associations and various clubs functioning in the college
- ✓ To organize a workshop for +2 students in the state to inspire them in science subjects.
- ✓ Human Resource Development Training for students (HRD Training)
- ✓ Staff Training programmes will be organised periodically to train the staff in ICT based teaching
- ✓ Departmental meetings be arranged every month to review the progress of the academic plan for the current year
- ✓ All departments will introduce at least one worthy practise to be emulated by other departments and colleges, with a definite goal and evidence of success.
- ✓ To give a training course in website updations to one faculty member from each department. So that the department links in the college website may be kept current and operational.

Sd/

Chairman, IQAC

Sd/

IQAC Co-ordinator