



ANNUAL QUALITY
ASSURANCE
REPORT
(AQAR)

Christian College
Chengannur

2010-11

IQAC
CHRISTIAN COLLEGE
(*Affiliated to the University of Kerala*)
ANGADICAL SOUTH, CHENGANNUR
KERALA 689 122

CHRISTIAN COLLEGE, CHENGANNUR

[ACCREDITED WITH B⁺ BY NAAC in 2005]

ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC FOR THE YEAR 2010-11

Introduction

Christian College, Chengannur is one of the prestigious Arts and Science Colleges owned and managed by The Malankara Mar Thoma Syrian Church and affiliated to the University of Kerala. It was accredited by NAAC with a B+ in 2005. Founded in the year 1964, Christian College towers high as a centre of excellence in education on a hilltop with pristine beauty. In the changing global scenario, every effort is made by the college to accomplish its ultimate motto “Our Utmost for the Highest”. The vision and mission of the college has been revised during the academic year to suite the challenging needs and aspirations of the stakeholders. The college has always focused on academic excellence, character formation, social commitment and search for truth so as to produce intellectually well-trained, morally upright, socially conscious and technology savvy youngsters. The college now has grown into a full fledged temple of learning with graduate courses in Physics, Chemistry, Botany, Zoology, Mathematics, English, Economics, History and Post Graduate courses in Physics, Analytical Chemistry, Economics and English.

The College was active in various academic, research and extracurricular activities during the academic year 2010-11. Several national seminars, lectures, workshops and conferences were conducted during the reported year. During the year, two young faculty members joined college giving an extra tinge of youthful vigor to the college community. The research activities in the college got resurgence in light of the second installment of the FIST grant received by the Department of Physics from the Ministry of Science and Technology, Government of India. At present, members of the faculty from different Departments are actively engaged in research through minor research projects sanctioned by the UGC and many of them have published research papers in accredited journals. Many teachers attended and presented papers in National and International conferences. All the subject associations and various clubs were active in arranging various programmes during the year. Extension activities promoted by the institution, through NSS and NCC aim at inculcating an attitude for service and ensuring development of the community.

PART A

PLAN OF ACTION FOR THE YEAR 2010-11

Christian College, Chengannur was accredited with B+ grade by the National Assessment and Accreditation Council (NAAC) in the year 2005. Based on the guidelines of the NAAC, the College constituted an Internal Quality Assurance Cell (IQAC). The IQAC is envisaged as an internal nodal agency to evaluate, promote and consolidate all the activities of the College. The committee chalked out long term and short term action plans for ensuring continuous improvement in the entire operations of the institution. The IQAC motivated and monitored various academic and non-academic activities during the year 2010-11 in the light of the long term and short term plan formulated. The IQAC committee discussed the action plan for the year at the beginning of the academic year based on the short term plans envisaged during the last year. A schedule was prepared for convening the Planning Board, Academic Committee, Research and Analysis Committee, Computer Education Committee, Library Advisory Committee, Career Guidance and Placement Cell, etc., and the recommendations of all the committees were consolidated by the IQAC into short term and long term work plans.

The constitution of the IQAC is detailed below:

Members of IQAC

Dr. Jacob George	: Principal & Chairman
Dr. Ajith Verghese George	: Co-ordinator
Sri. Hysen Thomas	: Joint Co-ordinator
Sri. Mathew Varghese	: Head, Department of Economics
Dr. Achamma Alex	: Head, Department of English
Sri. K. M. Abraham	: Head, Department of History
Dr. Johnson Baby	: Head, Department of Zoology
Sri. Lalu Varghese	: Department of Economics
Dr. Rajan David	: Department of Hindi
Dr. Desy P. Koruth	: Department of Chemistry
Sri. Alex T. George	: Office Superintendent
Sri. Joji Cherian	: Management Representative
Prof. M. K. Thomas	: Management Representative

The plan evolved by the committee for the academic, co-curricular and research activities for the year 2010-11 is listed below:

- Undertake fresh initiatives for improving the academic performance of students.
- Continue with remedial and enrichment classes.
- Introduce certificate and add-on courses.
- Encourage students to utilize library and INFLIBNET facilities.
- Upgrade Sports and Games infrastructure facilities.
- Encourage Departments to conduct national/regional seminars by availing possible grants from University Grants Commission and Kerala State Council for Science Technology and Environment and other funding agencies.
- Inspire faculty to undertake more research projects and publish research findings in peer reviewed national and international journals.
- Instigate teachers to participate in national/international seminars, conferences, workshops and refresher courses.
- Conduct seminars and lectures by the Career Guidance and Placement Cell.
- Continue with initiatives to convert the College campus into a plastic-waste free one.
- Planting of more medicinal plants in the Botanical garden.
- Construction of Seminar Hall and Meditation Centre.
- Setting up of Language Laboratory.
- Provision of parking facilities for staff & students.
- Electrical rewiring of the College main building and Departments.
- Provision of purified drinking water facilities.
- Installation of intercom facility to office and all departments.

Based on these plans, various activities and programmes were conducted in the report year. The committee evaluated the progress on a regular basis and comments and recommendations for further improvement were issued at various stages.

ACHIEVED OUTCOME IN A NUTSHELL

- The concept of academic planning introduced by the IQAC has been widely appreciated and welcomed by the students and staff members. The various departments identified their strength and weakness and worked out their plan of action for the year. IQAC carefully monitored the activities of all the departments and committees and provided all support for further enhancement of quality. Members of the faculty and non-teaching staff offered voluntary services in guidance, counseling and placement, community services, social activities and related matters. Attendance of students was constantly monitored and Parent-Teacher-Student (PTS) meetings were organized on a class basis. The Continuous Evaluation grades were also intimated to the parents.
- The sustained encouragement and guidance of IQAC has also resulted in the increased participation of students in extracurricular activities like debate, quiz, sports, elocutions, community development programmes organized by the college.
- The students were encouraged to use the Library facilities. The INFLIBNET facility attracted many students. The Library advisory committee members frequently visited the library and monitored the functioning of the library. The teaching and non teaching faculties were also encouraged to use the facilities available in the library.
- The Sports and Games received rejuvenation this year by conducting the Annual Sports meet. All the students were put into 4 separate houses and different games and sports events were organized on house basis. A large number of students actively participated in the annual sports meet.
- The efforts of IQAC to inspire the faculty members to undertake more research projects and publish research articles in peer reviewed journals reaped good results. One member of the faculty received a major project and five staff members received minor research project from the University Grants Commission. Twelve teachers published fourteen research papers in accredited national/ international journals/books during the academic year. The participation of Teachers in national/international conferences also increased as a result of the continuous effort of the IQAC.

- National and Regional seminars were conducted successfully and three proceedings were published. Fifteen teachers participated in national and two teachers in international seminars/conferences/workshops.
- Regular teachers were appointed in place of guest lectures and all vacant posts of non-teaching staff were also filled.
- The Department of Physics was sanctioned Rs. 24 lakhs as financial assistance from the Ministry of Science and Technology, Government of India for upgrading the research facilities. During 2009-10, the second installment amounting Rs.1.5 lakhs was received. The third installment is awaited.
- In consonance with the increased job opportunities available in the private sector and the severe competition among the job aspirants for finding jobs; the need for improvement of soft skills is important. In this regard the Career Guidance and Placement Cell of this college functioned effectively and actively. The placement cell organized several campus interviews and 81 students got placement in various companies, banks and other firms. Several programmes like personality development, how to face interview board etc were conducted this year.
- Men's hostel started during June 2010 has an intake capacity of 20. Many teaching and non teaching members as well as students are using this facility.
- The students are motivated to keep the campus eco-friendly. Seminars were organized related to these topics. This has reflected in the general cleanness of the campus, reduction in the quantity of plastic waste in the campus and planting of trees in the college campus.

PART B

1. Activities Reflecting the Goals and Objectives of the Institution

All the activities of the college are designed in tune with the motto of the college “Our Utmost for the Highest”. Since its inception, the college has existed as a beacon of light for aspiring students in and around Central Travancore which is surrounded by a population, the majority of whom are poor.

Some of the policies/objectives followed by the institution:

- Admission and Appointment policies are so formulated that merit is never overlooked.
- Computer training, Communicative English classes and personality development programmes were offered to students.
- No capitation fee other than University/Government fee is collected.
- Sports facilities like multi gymnasium are offered to students free of cost.
- Strengthening of healthy practices.

2. New Academic Programmes Initiated [UG and PG]

The college offers eight undergraduate courses (Physics, Chemistry, Zoology, Botany, Mathematics, English, Economics and History) and four postgraduate courses (Physics, Analytical Chemistry, English and Economics).

Affiliation to the University of Kerala and sanction of the State Government is necessary for starting new courses. The college applied for new courses in 2010-11. Though the University sanctioned some of the programmes, Government approval is still pending. To fill the gap in the curricula, the institution introduced five certificate and eleven add-on courses to increase competency of students in the job market (Internet utilities, Desktop Publishing, Microsoft Office, Photoshop, C-Programming, Yoga and Meditation, Soap Making, Mushroom Cultivation, Aquarium Construction, Museology, Biodiversity Management, Information Retrieval from Library Resources, MS Word, MS Power Point, MS Excel and Soft Skills). Soil and Water analysis were conducted by the Chemistry Department of the College for UG and PG students.

3. Innovations in Curricular Design and Transaction.

The college follows the syllabi and the curriculum formulated by the University of Kerala. CBCSS was introduced for UG students with effect from the academic year 2010-11 onwards. With this, students have the option to choose open courses of their choice. Courses not taught in the college can also be opted as open courses. Prof. Lalu Varghese and Prof. E. Daniel of the Departments of Economics and Mathematics served as members of the respective Board of Studies.

4. Inter Disciplinary Programmes Started

Interdisciplinary subjects like Mathematics with Computer Applications, Physics with Computer Applications are also available to the students. New developments in the field of Nuclear Physics, Nano Technology, Materials Science and DNA manipulations are incorporated in the modified syllabus. In the revised curriculum for Botany, Zoology, Physics, Chemistry and Economics, Environmental studies are included. The thin film coating and high temperature furnace facilities of the Research Lab of the Department of Physics are also used by many students of the Department of Chemistry of this College. Many students and faculty members from nearby colleges also utilize these instruments for sample preparations.

5. Examination Reforms Implemented.

The College has an Examination committee consisting of senior faculty members. In addition to this, every Department has its own examination committee under the leadership of the respective heads of the department. This committee works in conjunction with the College Examination committee. In the reported year, the committee continued the two tier examination system - a series of tests organized by the concerned Department and terminal examinations by the college - for the annual scheme students. It adopted the Continuous Evaluation process for the CBCSS students. Examination Results were monitored and conveyed to parents. Class wise PTS meetings were organized for all the classes in which the general progress and behavior of the students were discussed. Feedbacks collected from the parents were also evaluated.

6. Candidates Qualified NET/ GATE/SET etc.

Post graduate students are encouraged to appear for NET, GATE and SET examinations. Three students qualified for JRF/CSIR/NET during 2010-11.

7. Initiative Towards Faculty Development Programme

Three faculty members of the college were granted FDP scheme of the University Grants Commission during the XI plan. Sri. A. Abraham [Physics] and Smt. Jisha John [Economics] are continuing their research utilizing the FDP scheme. Sri. Hysen Thomas [Physics] has just been granted study leave for pursuing Ph.D. under FDP. Ten members of the faculty are utilizing the college infrastructural facilities for part-time research work.

8. Total Number of Seminars/ Workshops conducted.

A. Seminars Organized by Departments and College

1. Department of Economics organized a National Seminar on “Global Financial Crises, Policy Solutions, Lessons and Future Options” during August 11-13, 2010 under the sponsorship of the UGC. Dr. A. Jayakrishnan, Hon. Vice Chancellor, University of Kerala inaugurated the seminar in the meeting presided over the Manager Rt. Rev. Dr. Zacharias Mar Theophilus Suffragan Metropolitan. Dr. K. Ramachandran Nair, Dr. V. Nagarajan Naidu, Dr. V. Loknathan, Dr. Rajendran, Dr. V. Mathew Kurien and Dr. Manju S. Nair led the different technical sessions. Twenty two papers were presented by the participants. Dr. M. Jayaprakas, Director, College Development Council gave the valedictory message.
2. Department of English organized a workshop on English Language Teaching for High School and Higher Secondary School teachers during 1-3 July, 2010 under the sponsorship of the UGC. Prof. G. Radhakrishna Pillai, Former Professor, EFL University, Hyderabad inaugurated the workshop. Dr. Maya Dutt, Dr. C. S. Philipose, Dr. M. S. Geetha, Dr. Rajeswary P. J. and Dr. A. P. John led different sessions.
3. Department of Physics organized Physics Enrichment classes for Higher Secondary teachers during 14-16 July 2010 under the sponsorship of UGC. Dr. K. P. Sathesh, Principal, Govt. College, Mokary inaugurated the workshop. Prof. O. S. Sebastian, Dr. George Varghese and Dr. V. Biju led the different sessions.

4. A one day seminar on “Intellectual Property Rights” was held on 20th July 2010 for teachers and PG students of the college under the sponsorship of the Kerala State Council for Science, Technology and Environment. Adv. C. N. Ammanji inaugurated the seminar. Dr. Bismi Gopalakrishnan, Dr. Sindu Thulaseedharan and Dr. Safikh S. led the different sessions.
5. Social Science Departments of the college organized a talk on “India and the World Today” on 14th December 2010. Former Indian Ambassador in USA and Executive Director of Inter Atomic Energy Agency Sri. T. P. Sreenivasan delivered the talk.
6. Lecturers on “Marriage: Vows and Laws” was conducted for the 2nd year degree students under the auspices of KCC and Mar Thoma Yuvajana Sakhyam on 27.07.2010. Most Rev. Abraham Mar Seraphy and Adv. Mirash Alexander delivered lecturers.
7. A three day workshop on “Tensor analysis” for Physics Post Graduate students was organized by the Department of Physics from 2-4, February 2011. Prof. O.S. Sebastian led the workshop.
8. Dr. Laly A. Pothan delivered a lecture on “Nano Composites and its applications” in connection with the inauguration of the Chemistry Association.
9. A one day workshop on “Tissue Culture, Mushroom and Vegetative Propagation” was organized for final year Botany students at Krishi Vijnan Kendra, Thellicoore on 15th June 2010.
10. A lecture was organized by the Department of Mathematics on 16th February 2011 on ‘Fuzzy Sets’. Dr. Mathews M. George, B.A.M. College, Thuruthicad presented the paper.
11. A talk on Forensic Biology and its importance in Criminal Investigation was organized by the Department of Zoology in connection with the inauguration of Zoology Association on 12th August 2010.. Dr. R. Vinod Kumar, Assistant Director, State Forensic Laboratory, Thiruvananthapuram delivered the talk.
12. Department of Botany organized a one day seminar on “Nutritional Value of Coconut and Coconut Products” under the sponsorship of the Coconut Development Board on 11th March 2011. Sri. Thomas Mathew, Chief Coconut Development Officer, Kochi, inaugurated the seminar. Sri. Varghese C. Thomas, Chief Sub Editor, Malayala Manorama daily gave the key note address.

13. Science Day celebrations were held on 28th February 2011 under the sponsorship of Kerala State Science and Technology & Environment. Prof. Dr. N. Padmanabhan, IISER, Thiruvanthapuram gave the key note address.
14. A talk on “Cultural Impact of the Portuguese in Kerala” was organized by the Department of History on 23rd September 2010. Dr. Varghese Perayil, St. Cyril’s College, Adoor was the speaker.

B. Other Programs Organized During 2010-11

1. Christmas Carol Service was conducted on 13.12.2010. Rt. Rev. Dr. Euyakim Mar Coorilos Episcopa delivered the Christmas message. Students of the Department of English won first prize in the department wise singing competition in connection with the Christmas carol.
2. Holy Communion was celebrated by Very Rev. K. S. Mathew on 3rd January 2011 at 8:30 am in the college chapel. Rt. Rev. Dr. Zacharias Mar Theophilus Suffragan Metropolitan delivered the New Year message.
3. Suvarna Jubilee scholarships worth Rs. 10,000/- per year were also distributed to six students on 17th September 2010 by Rt. Rev. Dr. Zacharias Mar Theophilus Suffragan Metropolitan.
4. A Quiz programme on “Kerala history, Culture and Current Affairs” was organized by History Department on 11th November, 2010 in connection with the Kerala Day celebrations. Twenty nine teams participated in it.
5. Post Graduate Students of the Department of English conducted classes for the students of relief LP School, Chengannur in connection with the outreach programme. The pupils were given study materials. Uniform and umbrella were distributed to the 25 students of Government on 23rd December 2010 by the college expending Rs. 12500/- collected from the teachers under the leadership of the Department of English.
6. Prof. Babu Zachariah inaugurated the activities of the English Association on 30th July 2010.
7. Ozone day was celebrated on 16th September 2010. A painting competition and elocution competition were conducted for the students and trees were planted in the campus.

8. An inter departmental quiz as well as cartoon drawing competition were arranged in connection with the Wild Life Week celebration during the first week of October 2010.
9. World Aids day was observed on 1st December 2010.
10. An exhibition “Zoo Fest 2011” was organized by the Department of Zoology on 24th January 2011 for School and College students
11. Intercollegiate Quiz and Paper Presentation competitions were organized by the Department of Economics on 27th January 2011. Many colleges participated. Trophies and cash prizes were distributed to the winners.
12. Final year B. A. English students compiled an anthology of the profiles of Nobel Prize winners in Literature viz., ‘Nobel Vignettes’. They have edited a book on ‘History of English literature’ which would serve as a reference source for future students.
13. Principal and 12 members of the faculty attended the National Conference of College Teachers on ‘Leadership in Education Today’ organized by the Higher Education Commission of the Mar Thoma Church and Ruth Cohn Institute International for Theme Centered Interaction during 10-12 September 2010 at Mar Thoma Camp Centre, Munnar.
14. Gardening day was organized by the Department of Botany on 8th October 2010 and planted many medicinal plants in the Botanical garden.
15. International women’s day celebrations were conducted on 8th March 2011. Dr. Sherly Varghese delivered the key note address.
16. Arts festival of the college was held on 10th February 2011.
17. College hosted the sports competitions conducted by the Chengannur Municipal Council on 18th December 2010 in connection “Keralothsavam’.
18. The non teaching staff association conducted a tour to Kanyakumari on 14th January, 2011. The teaching staff members went for a picnic to Kochi on 25th February 2011.
19. The Manager met the students and staff on 17th September in the college auditorium for interaction and to receive their feelings.
20. Mr. Joy, Proprietor, Silanath Engineers donated 1000 note books to the college. These books were distributed to needy students of the college on 05.07.2010 through the Heads of Departments.

21. Noon meal programme started during 2009-10 is continuing this year also.
22. Twenty students were awarded UGC Merit cum Means Scholarship worth Rs.6,000/- per year.
23. New computers and printers with internet facility were provided to all departments.
24. A new college website has been launched during the academic year.
25. All the students were provided students identity card with bar code.
26. A meeting was conducted on 4th March 2011 to bid farewell to the retiring teaching and non teaching staff members under the auspices of the Teaching Staff Association. Rt. Rev. Dr. Zacharias Mar Theophilus Suffragan Metropolitan was the chief guest. The farewell meeting under the auspices of Non Teaching Staff was held on 24th March 2011.
27. New drinking water facility – purified water with cooling facility was provided.
28. New staff recreation room is made available.
29. Students Christian Movement of India supported five selected students as a part of their Fellowship Programme.

Student Seminars

As per the Syllabus of the University of Kerala every student of the Post graduate course must present a seminar for each paper, every semester. The presentations should be of one hour duration and attended by all members of the faculty concerned. The seminars held during 2010-11 were evaluated critically by the faculty members and suggestions for improvements were made. Students of the UG level were also given assignments to conduct seminar on selected topics in each papers, using ICT technology.

9. Research projects:

List of Completed Faculty Projects

Sl. No	Principal Investigator	Title of the Project	Amount (Rs.)	Funding Agency
1.	Dr. Desy P. Koruthu Department of Chemistry	Thermal Studies of Metal Complexes Based on Cross-Linked Polymer Supported Ligands and its Application in Certain Organic Reactions	50,000.00	UGC
2.	Prof. Mariamma Varghese Department of Mathematics	Study on Differential Algebraic Equations	40,000.00	UGC
3.	Nidhi Alex M. Ninan	Conventional to ICT Based Libraries	50,000.00	UGC

List of Completed Students Projects

Sl. No	Student & Principal Investigators	Project Title	Amount (Rs.)	Funding Agency
1.	Supriya S. Pillai Dr. Desy P. Koruthu Department of Chemistry	Permanganate Incorporated Cross-Linked Polyacrylamide as a Heterogeneous Oxidizing Agent	9000.00	KSCSTE
2.	Shimi T. V. Dr. Desy P. Koruthu Department of Chemistry	An Investigation of the Influence of Solvents and Bases on Canizzaro Reaction	5600.00	KSCSTE
3.	Sumesh Mohan M. S. Molice Thomas Department of Chemistry	Vulcanization of Rubber using Novel Secondary Accelerators	6000.00	KSCSTE

List of On-going Projects

Sl. No	Principal Investigator	Title of the Project	Amount (Rs.)	Funding Agency
Major Project				
1.	Dr. Rani Abraham Department of Chemistry	Development of Low Cost Adsorbents and Catalysts from Waste Biomass Fly Ash	12,30,000.00	DST
Minor Projects				
1.	Dr. Ligi Cherian Department of Physics	Spatio-Temporal Resolution of Geomagnetic and Interplanetary Field	1,26,000.00	UGC
2.	Dr. Vinoy Thomas Department of Physics	Preparation, Characterization and Realization of Bismuth Based Optical Devices	55,000.00	UGC
3.	Prof. Thomas P. Thomas Department of Botany	Phyto-chemical Studies of Medicinally Useful Alkaloids and Steroids in Selected Species of Solanacea Family	1,40,000.00	UGC
4.	Dr. Jyothi Kanchan Department of Botany	Cytotoxic Studies of Soluble Proteins from Edible Mushrooms of Kerala on Allium Cepe	1,40,000.00	UGC
5.	Prof. Thomas Alex Department of Botany	Studies on Nutritional Requirement and Improvement of Techniques on Commercial Cultivation of Oyster Mushrooms (Pleurotus SPP)	95,000.00	UGC
6.	Dr. Annies Joseph Department of Zoology	Modulatory Effect of Ambient Minerals on the Antioxidative Defense Responses in Shrimps	1,80,000.00	UGC

7.	Dr. Abhilash R. Department of Zoology	Tissue Specific Oxidative Stress Biomarkers in Teleost Fish Exposed to Paraquat.	1,20,000.00	UGC
8.	Prof. Preetha Karnaver Department of Zoology	Taxonomy and Diversity of Marine Gastropods (Mollusca: Gastropoda) of Kerala Coast	1,20,000.00	UGC
9.	Dr. Johnson Baby Department of Zoology	Stress responses in the Teleost, Anavas Testudineus (Bloch) Exposed to Endocrine Disruptors	1,10,000.00	UGC
10.	Prof. Tresa Mary Chacko Department of Mathematics	Analysis of Certain priority Tandem Queues	70,000.00	UGC
11.	Prof. John George Athyal Department of English	Effectiveness of Models of Teaching and the Lecture Method in Teaching English at the Higher Secondary Level	1,05,000.00	UGC
12.	Prof. Shalini Rachel Varghese Department of English	Attempting Environmental Justice - The Literature and Language of Sustainable Living': The Impact of Arundhati Roy's Writings on Environmental Activism in India.	50,000.00	UGC
13.	Prof. Lalu Varghese Department of Economics	The Social and Economic Implications of Alternative Dispute Resolution (ADR) System: A Case Study of Cheriyanad Grama Panchayat	75,000.00	UGC
14.	Prof. K. M. Abraham Department of History	Treatment of Political Prisoners in the Princely State of Cochin 1935-1941	70,000.00	UGC
15.	Prof. Koshy Mathai Department of History	Role of Poikayil Sreekumara Gurudevan in the Upliftment of the Backward Classes.	65,000.00	UGC
16.	Prof. Biju Thomas Department of Politics	Trends in Russian Foreign Policy and Strategic Relations with India and China	45,000.00	UGC
17.	Prof. Ruby Mathew Department of Physical Education	The Effects of Guided Systematic Aerobic Dance Programme on the Self-esteem of Female College Students.	70,000.00	UGC

10. Patents Generated if Any:

Dr. R. Jayakrishnan Department of Physics, applied for a patent for his research work in the field of silicon based solar cells. He developed a technology which enabled the improvement of c-Si solar efficiency by 0.2%.

11. New Collaborative Research Program:

Collaboration with renowned institutes/Universities like IIT Bombay, M. G. University, Kottayam, Mysore University, Cochin University of Science & Technology, University of Kerala and an industry namely Tata BP Solar India Ltd has enabled the institution to produce research publications. The College has also constituted an external research monitoring committee consisting of faculty from Cochin University of Science and Technology, Calicut and Mahatma Gandhi University.

The college has made collaboration with various departments of other colleges like Mar Thoma College, Thiruvalla, St. Thomas College, Kozhencherry, St. Berchmans College, Changanacherry, Sree Narayana College, Kollam, MSM College, Kayamkulam, NSS College, Changanacherry, etc. to carry out PG student projects for mutual benefit and better performance.

12. Research Grants Received from Various Agencies

Sl. No.	Title of the Project	Amount Allocated (Rs.) & Funding Agency	Department & Period of Project	Name of PI and Co-PI
1.	Fund for Improvement of S&T Infrastructure in Universities and Higher Education Institutions	24,00,000.00 DST	Dept. of Physics (2008-13)	Dept. of Physics
2.	Development of Low Cost Adsorbents and Catalysts from Waste Biomass Fly Ash	12,30,000.00 DST	Dept of Chemistry (2010-12)	Dr. Rani Abraham
3.	Cytotoxic Studies of Soluble Proteins from Edible Mushrooms of Kerala on Allium Cepe	1,40,000.00 UGC	Dept. of Botany (2011-13)	Dr. Jyothi Kanchan
4.	Studies on Nutritional Requirement and Improvement of Techniques on Commercial Cultivation of Oyster Mushrooms (Pleurotus SPP)	95,000.00 UGC	Dept. of Botany (2011-13)	Prof. Thomas Alex
5.	Tissue Specific Oxidative Stress Biomarkers in Teleost Fish Exposed to Paraquat.	1,20,000.00 UGC	Dept. of Zoology (2011-13)	Dr. Abhilash R.
6.	Role of Poikayil Sreekumara Gurudevan in the Upliftment of the Backward Classes.	65,000.00 UGC	Dept. of History (2011-13)	Prof. Koshy Mathai

13. Details of Research Scholars and Research Activities

Research Activities

- Dr. Desy P. Koruthu, Department of Chemistry has completed her minor research project entitled '*Thermal Studies of Metal Complexes based on cross linked polymer supported legends and their Application in Certain Organic Reactions*' amounting to Rs.50,000/- sanctioned by the U.G.C.
- Mrs. Mariamma Varghese, Department of Mathematics has completed her minor research project entitled '*Study on Differential Algebraic Equations*' amounting to Rs.40,000/- sanctioned by the U.G.C.
- Mr. Nidhi Alex M. Ninan, Librarian has completed his minor research project entitled "*Conventional to ICT Based Libraries*" amounting to Rs.50,000/- sanctioned by the U.G.C.
- Mr. Thomas Alex, Department of Botany is continuing his minor research project entitled "*Studies on Nutritional Requirement and Improvement of Techniques on Commercial Cultivation of Oyster Mushrooms (Pleurotus SPP)*" amounting to Rs.95,000/- sanctioned by the U.G.C.
- Mr. Lalu Varghese, Department of Economics is continuing his minor research project entitled "*The Social and Economic Implications of Alternative Dispute Resolution (ADR) System: A Case Study of Cheriyana Grama Panchayath*" amounting to Rs.75,000/- sanctioned by the U.G.C.
- Mr. K. M. Abraham, Department of History is continuing his minor research project entitled "*Treatment of Political Prisoners in the Princely state of Cochin during 1935 - 1941*" amounting to Rs.70,000/- sanctioned by the U.G.C.
- Dr. Johnson Baby, Department of Zoology is continuing his minor research project entitled "*Struss Responses in the Teleost, Anavas Testudineus (Bloch) Exposed to Endocrine Distruptors*" amounting to Rs.1,10,000/- sanctioned by the U.G.C.

- Dr. Ligi Cherian, Department of Physics is continuing her minor research project entitled “*Spatio-Temporal Resolution of Geomagnetic and Interplanetary Field Compendence*” amounting to Rs.1,26,000/- sanctioned by the U.G.C.
- Dr. Vinoy Thomas, Department of Physics is continuing his minor research project entitled “*Preparation, Characterization and realization of Bismuth Based Optical Devises*” amounting to Rs.55,000/- sanctioned by the U.G.C.
- Mrs. Ruby Mathew, Department of Physical Education is continuing her minor research project entitled “*The Effects of Guided Systematic Aerobic Dance Programme on the Self Esteem of Female College Students*” amounting to Rs.70,000/- sanctioned by the U.G.C.
- Mrs. Shalini Rachel Varghese, Department of English is continuing her minor research project entitled “*Attempting Environmental Justice – the Literature and Language of Sustainable Living*” amounting to Rs.50,000/- sanctioned by the U.G.C.
- Mr. John George Athyal, Department of English is continuing his minor research project entitled “*Effectiveness of Models of Teaching and Lecture Method in teaching English at the Higher Secondary Level*” amounting to Rs.1,05,000/- sanctioned by the U.G.C.
- Dr. Biju Thomas, Department of Politics is continuing his minor research project entitled “*Trends in Russians Foreign Policy and Strategic Relation with India and China*” amounting to Rs.45,000/- sanctioned by the U.G.C.
- Mrs. Annes Joseph, Department of Zoology is continuing her minor research project entitled “*Modulatory Effect of Ambient Minerals on the Anti Oxidative Defense Responses in Shrimps*” amounting to Rs.1,80,000/- sanctioned by the U.G.C.
- Mrs. Preetha Karnaver, Department of Zoology is continuing her minor research project entitled “*Taxonomy and Diversity of Gastropods (Mollusca: Gastropoda) of Kerala Coast*” amounting to Rs.1,20,000/- sanctioned by the U.G.C.
- Ms. Tresa Mary Chacko, Department of Mathematics is continuing her minor research project entitled “*Analysis of Certain Priority Queuing Systems*” amounting to Rs.75,000/- sanctioned by the U.G.C.
- Prof. Koshy Mathai, Department of History received a minor research project entitled “*Role of Poikayil Sree Kumara Gurudevan in the Upliftment of the Backward Class*” amounting to Rs.65,000/- sanctioned by the U.G.C.

- Dr. Abhilash R., Department of Zoology received a minor research project entitled “*Tissue Specific Oxidative Stress Biomarkers in Teleost Fish Exposed to Paraquat*” amounting to Rs.1,20,000/- sanctioned by the U.G.C.
- Prof. Thomas P. Thomas, Department of Botany received a minor research project entitled “*Phytochemical Studies of Medicinally Useful Alkaloids and Steroids in Selected Species of Solanaceae*” amounting to Rs.1,40,000/- sanctioned by the U.G.C.
- Dr. Jyothi Kanchan, Department of Botany received a minor research project entitled “*Cytotoxic Studies of Soluble Proteins from Edible Mushrooms of Kerala on Allium Cepe*” amounting to Rs.1,40,000/- sanctioned by the U.G.C.
- Mrs. Jisha John [Economics] and Mr. A. Abraham [Physics] are undergoing Ph.D. studies under Faculty Development Programme of the UGC XIth plan.
- Sri. Hysen Thomas [Physics] has just been granted study leave for pursuing Ph.D. under FDP. Ten members of the faculty are doing part time research.

Students Research Projects

The student projects sanctioned by Kerala State Council for Science Technology & Environment, Government of Kerala to Dr. Desy P. Koruthu and Smt. Molic Thomas, members of the faculty of the Department of Chemistry have been completed and the project reports submitted.

List of Completed Students Projects

Sl. No.	Student & Principal Investigators	Project Title	Amount (Rs.)	Funding Agency
1.	Supriya S. Pillai Dr. Desy P. Koruthu Department of Chemistry	Permanganate Incorporated Cross-Linked Polyacrylamide as a Heterogeneous Oxidizing Agent	9000.00	KSCSTE
2.	Shimi T. V. Dr. Desy P. Koruthu Department of Chemistry	An Investigation of the Influence of Solvents and Bases on Canizzaro Reaction	5600.00	KSCSTE
3.	Sumesh Mohan M. S. Molic Thomas Department of Chemistry	Vulcanization of Rubber using Novel Secondary Accelerators	6000.00	KSCSTE

14. Citation Index of Faculty Members and Impact Factor

Publication of faculty members in peer reviewed Journals

The following twelve teachers published fourteen research papers in accredited national/international journals/books during the academic year.

1. **Jacob George**, P.R. Regi Kumar, Prathibha Vasudevan, S. Karthika, and N .V. Unnikrishnan, 'Structural and spectroscopic characterization of Ho³⁺ in sol-gel silica,' *J. Opto. Electronics. Adv. Mater.* 12, (2010) 1065
2. **Ajith Verghese George**, 'Comparative Study of the Hydrochemistry of Rivers Pampa and Manimala in Pathanamthitta and Alappuzha Districts of Kerala, *Acta Ciencia Indica*, 2010, 36 C (2), 135.
3. **Nirmala Varghese**, 'Displaced and Disenfranchised Female Self in *Wide Sargasso Sea*', *Update*, 2010, I (2), 73.
4. **John George Athyal**, 'Cybernetics and Simulation', *Update*, 2010, I (2), 40.
John George Athyal, 'Effectiveness of Group Investigation Model and Simulation Model in Teaching of English' in the online journal, *Languages in India – languageinindia.com Vol.10:1 (2010)*
5. **Jyothi Kanchan A. S.** , 'Substrate Specific Variation in Protein DNA and RNA Content of Different Species of Mushroom Mycelium after 21 Base Culture, *Ecochronicle* (article in press).
6. **Abhilash R.** 'Histopathological Alterations Induced by Sub-lethal Concentration of Thiodan on the Gill and Liver Tissues of the Fish *O.mossambicus*', *Res. J. of Biological Sciences*, 2011, 3(1), 12.
7. **Parvathy S.**, 'Service Area Approach in Credit Planning; A Need for a New Focus' *Southern Economist*, 2010, 49(14), 15.
8. **R. Jayakrishnan**, C. Sudha Kartha and K.P. Vijayakumar, 'Bias Voltage Controlled Photoluminescence from β -In₂S₃ Thin Films', *Materials Science in Semiconductor Processing*, S1369-8001(11) (2011).

9. **Rani Abraham**, Manju Sebastian, V. Arun, P.P. Robinson, Annu Anna Varghese, E. Suresh , K.K. Mohammed Yusuff, ‘Synthesis, structural characterization and catalytic activity study of Mn(II), Fe(III), Ni(II), Cu(II) and Zn(II) complexes of quinoxaline-2-carboxalidine-2-amino-5-methylphenol: Crystal structure of the nickel(II) complex’, *Polyhedron* 29, (2010) 3014–3020
10. **Vinoy Thomas**, P.R. Regi Kumar, Jyothi Parvathy and N.V. Unnikrishnan, ‘Effect of Ag nano-particles on dielectric properties of Ho³⁺ doped silica galses’, *Physica. B*,405(2010)1513-1517
Vinoy Thomas, P.V. Jyothy , S. Karthika and N.V. Unnikrishnan, ‘Optical characterization of CdSe/Dy³⁺-doped silica matrices’, *Pramana*,75, (2010) 999
11. **A. Abraham, Ligi Cherian**, G. Renuka, ‘IMF-Geomagnetic Field Coupling and Vertical Variance Index’, *J. GeoPhys. Res.* 115, (2010) A 01207
12. **Achamma Alex**, ‘Violating the Violators: Timothy Findley’s *The Wars*,’ *English Activities Update*, I. (2010) No.1

15. Honours/Awards to the faculty

University and Government Responsibilities

1. Dr. Jacob George, Principal received an award for his all round contribution in the field of education instituted by JCI.
2. Prof. Lalu Varghese is a member of the Board of Studies (pass) of Economics of the University of Kerala.
3. Prof. E. Daniel is serving as the member of the Board of Studies (Pass) in Mathematics of the University of Kerala.
4. Dr. Ajith Verghese George is a research guide of the University of Kerala. He is also served as the President of Academy of Chemistry Teachers in Kerala.
5. P. V. Biju, University Union Councilor of this college during 2009-2010, was elected as executive committee member of the University Union.

16. Internal Resources Generated

The general policy of the college is to offer quality of education at affordable rates even to economically backward students. Every attempt is made to minimise the financial burden of the students. The day to day expenses related to the running of the college is met from the generous contribution of Parent Teacher Association (PTA), Alumni and well wishers. The Management also provides financial assistance whenever need arises. The entire amount so received was utilized for enhancing the quality of services offered.

Sl. No.	Source	Amount
1	Parent Teacher Association	3012679.00
2	Alumni	1055803.00
3	Faculty and Staff	78000.00
4	Miscellaneous	144107.00
	TOTAL	

17. Details of Departments getting SAP, COSIST (ASSIST)/DST, FIST, etc., assistance/ recognition.

The Department of Physics was sanctioned Rs. 24 lakhs as financial assistance from the Ministry of Science and Technology, Government of India for upgrading the postgraduate teaching and research facilities. The Department received Rs. 18 lakhs as the first allocation and Rs. 1.5 lakh as the second allocation. The third installment is awaited.

18. Community Services.

The community service of the institution may be classified under three heads

1. Activities of NSS
2. Activities of NCC
3. Services offered by individual teachers
4. Programmes organized by Departments.
5. Activities of the College Union.

National Service Scheme & Red Ribbon Club

The College has two national Service Scheme units. Volunteers N.S.S. actively participated in Leadership Training Camp, Special Youth Camp and State Level Camp on Anti-drug Campaign organized by the University. Onam was celebrated in a befitting manner. Athapukkalam and Onappattu competitions were held. The prizes were distributed to the winners.

NSS unit of the college organized a one-day legal awareness class for UG students in association with the Kerala Legal Service Society on 13th January 2011. Mr. S. Harikishore I.A.S., Sub Collector, Chengannur inaugurated the seminar. Adv. C. N. Ammanchy, Adv. P. K. Ajith Kumar and Adv. Roy Philip led the classes on Marriage, Ragging and Cyber laws. Annual seven day camp of the National Service Scheme was held at AMM High School, Othara from December 24-30 with camp theme 'Youth for Environment Enrichment'. An Ayurvedic Medical Camp and free medicine distribution was conducted on 29th December in association with Karthika Nair NSS Ayurvedic Hospital, Vallamkulam.

The N.S.S. volunteers conducted an agricultural survey at Othara and helped the villagers to start kitchen gardens. A road utility satisfaction survey was also conducted in association with K.S.T.P. The NSS and the Red Ribbon Club maintains a directory of the blood groups of all the students and staff members and they have been donating blood to various hospitals as and when need arises. Sri. Biji Abraham and Dr. Abhilash R. served as Programme Officers.

National Cadet Corps

The total strength of the NCC unit is 60. Apart from the regular parades on Saturdays, cadets attended three day annual training camp at D.B. College, Parumala. Ten cadets participated in para sailing competition held at Kollam. Cadets conducted a 'save energy campaign and posters were exhibited. This year 16 cadets passed the B certificate examination and 10 passed the C certificate examination. Mr. Vishal Satheesh, Sergeant & II B.Sc. Mathematics

student attended the Republic Day Parade 2011 at New Delhi and attended the Camp held at New Delhi from 1-29 January 2011. The following cadets participated in various national level camps:

1. Jinu Geevarghese (Senior Under Officer) - National Integration Camp at Bhilai (13-24 Nov. 2010) and selected as Camp senior.
2. Mahesh S. (Sergeant) - National Integration Camp at Bhilai (13-24 Nov. 2010).
3. Manoj E. T (Sergeant)- National Integration Camp at Rajasthan (21-31 Oct. 2010).
4. Rahul M. R. – All India Trekking Expedition, Maharashtra (17-27 Dec. 2010).
5. Arun P. S – National Integration Camp at Kollam (20-31 Dec. 2010).

On the Republic Day 2011, Rt. Rev. Dr. Zacharias Mar Theophilus Suffragan Metropolitan, Manager of the college hoisted the national flag and gave the Republic Day message. An awareness programme on cancer and a lecture on climate change was conducted for the cadets. A mountaineering coaching class was conducted for the students in association with the Alappuzha District Mountaineering Association on 8th January 2011 in the college. Lt. Dr. Biju Thomas is serving as the NCC Officer.

Programmes Organized by Departments

- A Quiz programme on “Kerala History, Culture and Current Affairs” was organized by History Department on 11th November, 2010 in connection with the Kerala Day celebrations. Twenty nine teams participated in it.
- Post Graduate Students of the Department of English conducted classes for the students of relief LP School, Chengannur in connection with the outreach programme. The pupils were given study materials. Uniform and umbrella were distributed to the 25 students of Government on 23rd December 2010 by the college expending Rs. 12500/- collected from the teachers under the leadership of the Department of English.

- Ozone day was celebrated on 16th September 2010. A painting competition and elocution competition were conducted for the students and trees were planted in the campus.
- An Inter departmental Quiz competition and Cartoon competition were arranged in connection with Wild life Week celebration during the 1st week of October 2010.
- World Aids day was observed on 1st December 2010.
- An exhibition “Zoo Fest 2011” was organized by the Department of Zoology on 24th January 2011 for School and College students
- Intercollegiate Quiz and Paper Presentation competitions were organized by the Department of Economics on 27th January 2011. Many colleges participated. Trophies and cash prizes were distributed to the winners.
- Gardening day was organized by the Department of Botany on 8th October 2010 and planted many medicinal plants in the Botanical garden.

College Union

The inauguration of the College Union and Arts club was held on 16th November 2010. Noted poet Prof. D. Vinaya Chandran inaugurated the activities of the College Union & Arts Club for the academic year 2010-11. Union Chairman, Govind Krishnan presided over the function. Arts Festival was conducted on 10th January 2011. The College Union valedictory meeting was held on 04.03.2011. Sri. Madhu Punnappa, cine channel artist gave the valedictory message. Sri. O. S. Unnikrishnan, noted film song writer released the Magazine.

Ms. Meera Venugopal, I B.Sc. Physics student and regular participant in the acclaimed reality show ‘Mambazham’ of the Kairali Channel won second prize for Malayalam recitation at the Kerala University Union youth festival.

Dr. Rajan David served as the Staff Advisor to the College Union and Arts Club.

The 47th college day celebrations were held on 22nd February 2011 in the college auditorium. Prof. M. Thomas Mathew, noted literary critic and Vayalar awardee delivered the key note address. Retiring staff members were honored and University Rank holders were felicitated.

Endowment prizes, Kuwait Alumni awards, U.A.E. Alumni awards, proficiency prizes and arts and sports prizes were distributed to the students. Special awards were distributed to teachers who published research papers in national/international journals and books during the academic year. Entertainment programmes followed the meeting.

19. Teachers and Officers Newly Recruited

Sri. Sujesh Baby (Chemistry) and Dr. Susan Abraham (Economics) were appointed as Assistant Professors. Sri. Sunith M.K. and Sri. Saji R. were appointed as Last Grade Servants against regular vacancies during the academic year.

20. Teaching and Non-Teaching Staff Ratio.

The present strength of the faculty members of the college is 56 including 2 substitute lecturers and 3 guest lectures. There are 31 members on the non-teaching staff. The Teaching to Non-teaching staff ratio is 2:1.

21. Improvement in Library Services

The library has a collection of 25580 books, 40 magazines, 24 national/international journals, 2100 online journals, 51000 e-books and 103 CDs. The library was fully automated with LIBSOFT during the academic year and provided with INFLIBNET facility. The staff and students were allotted separate ID and passwords for the use of INFLIBNET facility which ensures 24 hour accessibility. The automated Library was inaugurated on 17th September 2010 by the Manager. Attention was also given for improving the quality of library services. Students were encouraged to use the library facility. It was decided to issue six library cards to P.G. students. The library committee monitors the effective functioning of the library.

22. New Books/Journals Subscribed and their Value

In addition to the existing stock of books, an amount of Rs. 90,595/- was spent on procuring Books and Journals during the academic year. Books of different subjects were purchased as per the decision of the planning board.

List of Journals Subscribed and their Value

1. Economic and Political Weekly	:	Rs. 3000.00
2. Indian Journal of Agricultural Economics	:	Rs. 3000.00
3. Corporate Environment	:	Rs. 2800.00
4. National Geographic	:	Rs. 2375.00
5. India Green File	:	Rs. 1750.00
6. South Asia Green File	:	Rs. 1750.00
7. Current Science	:	Rs. 1500.00
8. Pramana	:	Rs. 750.00
9. Electronics for You	:	Rs. 500.00
10. Resonance	:	Rs. 500.00
11. Down to Earth	:	Rs. 480.00
12. Information Technology	:	Rs. 420.00
13. Journal of Material Science	:	Rs. 400.00
14. Journal of Bioscience	:	Rs. 400.00
15. Journal of Chemical Science	:	Rs. 400.00
16. Journal of Earth Systems	:	Rs. 400.00
17. Sadhana	:	Rs. 400.00
18. Journal of Astrophysics	:	Rs. 300.00

23. Courses in which student assessment of teachers were introduced and the action taken on student feed back

The college is following a system of general feedback collected through printed questionnaires. The data was consolidated and was used for formulating future plans and making changes in existing practices. The data was made available to all the faculty members and suitable measures for improvements were suggested.

24. Unit Cost of Education is Rupees

Undergraduate students hailing from families having an income less than Rs.25,000/- per year and PG students from families having an income less than Rs.42,000/- per year are eligible for fees concession as per the Kumara Pillai Commission Report. They have to remit only the caution deposit which is reimbursed as and when the student leaves the institution. SC/ST students are also exempted from the payment of fees. They receive a lump sum grant and monthly allowances which amounts to Rs. 4000/- per year.

Since Christian College Chengannur is a Government aided college, the salary of teaching and non teaching staff is provided by the Government of Kerala. All other expenses related to the operation of the college are provided by the management with the help of parent teacher association, alumni, well wishers etc. The cost of education per student [including Government and Management share] works out to be Rs. 41,072/- per year.

	Class	Amount (Rs)
Under Graduate	I st Year Chemistry/Physics	2,350.00
	I st Year Botany/Zoology	2,450.00
	I st Year Mathematics	2,170.00
	I st Year History/ Economics/English	2,070.00
	II nd Year Chemistry/Physics	1,355.00
	II nd Year Botany/Zoology	1,455.00
	II nd Year Mathematics	1,175.00
	II nd Year History/ Economics/English	1,075.00
	III rd Year Chemistry/Physics	1,265.00
	III rd Year Botany/Zoology	1,265.00
	III rd Year Mathematics	1,085.00
	III rd Year History/ Economics/English	1,085.00
Post Graduate	I st Year Analytical Chemistry/Physics	3,500.00
	I st Year Economics/English	2,600.00
	II nd Year Analytical Chemistry/Physics	2,440.00
	II nd Year Economics/English	1,540.00

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

The admission process was computerized and rank lists for various courses were prepared by a centralized process. Only internal examinations are conducted by the college and the marks for continuous assessment are forwarded to the University. This process is computerized. The final examinations are conducted by the University and the results are published by the University. The mark lists and certificates are also issued by the University.

26. Increase in Infrastructural Facilities

Most of the plans conceived at the beginning of the year were accomplished. The following major infrastructural expansions were undertaken by the institution during the year.

- Construction work on Meditation centre, Seminar hall, Day care centre and counseling centre was started
- An Audio-visual room and modern language laboratory were set up
- The Stadium was renovation and expansion
- A multipurpose gymnasium was set up
- Separate parking facility for staff and students was provided
- The auditorium was renovated, furnished and made echo-proof A concrete pitch and turf pitch for cricket net practice was constructed
- Intercom facility connecting office, departments, central computer lab and library was provided.
- The central computer laboratory was provided with advanced computers, colour and monochrome printers, scanners and network printing facility
- All departments were provided with computers, printers and unlimited internet facilities.
- The library was fully automated and provided with INFLIBNET facility
- The canteen was refurbished and moved to a centrally located area
- Purified drinking water facility was provided on all floors.
- White board facility was provided in all class rooms
- Ceiling fans were installed in permanent class rooms
- The rest rooms for girls and women staff was expanded and renovated
- Rare medicinal plants were planted in the Botanical Garden
- The History Museum was augmented

27. Technology up-gradation.

The computerization of admission procedure created an atmosphere for the acceptance of new technologies. The change towards student centered teaching methods has necessitated the incorporation of the use of electronic gadgets in teaching. More and more teachers are using ICT enabled technology for lesson planning and preparation of notes. PowerPoint presentation and use of LCD is gaining more favorable reception among teaching community.

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

A new training programme was introduced to give training in the use of computer and internet. The computer centre has two types of courses viz., a course to provide basic information regarding the use of computer and another intended to provide advanced level learning to those who have basic knowledge in computer programming and usage.

29. Financial Aid to Students

Parent Teacher Association

Financial assistance for weaker section in the form of scholarships is provided by the PTA of the college. Meritorious students and rank holders were awarded with scholarships.

Alumni Association

Merit scholarships were provided by the Alumni association for outstanding students in each subject in the Undergraduate and Postgraduate courses.

Endowment and Scholarships

Twenty six endowments and prizes have been instituted by the management and faculty for giving scholarships to financially backward students as well as to reward top scorers.

Staff Association

The association of teaching staff also provides financial assistance to various students based on need and merit.

30. Activities and Support from Alumni Association.

The Annual get together of the Alumni Association was held on 5th November 2010. The meet was inaugurated by Adv. Thomas Philip, Member, Public Service Commission and former student of the college. Adv. Manoj K. John, former student delivered felicitations. A good number of former teachers and students attended the function. A special meeting of the NRI Alumni was held on 3rd August 2010. Sri. P. R. Joy worked as the General Secretary of the Alumni Association.

Different chapters of the Alumni are functioning well. Kuwait chapter and UAE chapter has given an amount of Rs. 12000/- and Rs. 6000/- respectively for giving awards first year Degree and PG students. Principal Dr. Jacob George and Governing Council member Prof.

Mathew Varghese visited UAE during 27.05.2010 to 11.06.2010 and attended the first annual meeting of the UAE Alumni chapter held on 04.06.2010. The alumni members contributed a handsome amount towards college development fund.

31. Activities and Support from PTA

The parent teacher association has been always a source of support and inspiration for the college. Class wise PTA meetings organized played a vital role in setting the general discipline on the campus. Special thanks are due to Mr. K. Thomas Mammen, P. T. A. President, Prof. M. K. Thomas and Prof. Ajith Verghese George, Secretaries, and the executive committee members for the valuable services rendered by them for the uplift of the college.

32. Health Services.

The health care of the students is closely monitored and the college administration takes all necessary steps to provide clean water, bathroom and toilet facilities etc to the students. In order to provide hygienic drinking water, water purifiers were provided in all floors of the main building. In association with nearby hospitals several health awareness programmes were organized in the reported year. The students use the multi gymnasium regularly. A fully furnished restroom is provided for the girl students. The college has arranged councilors for the providing adequate guidance and counseling for needy students. Dr. Kurivilla George, alumni of the college is available for the urgent medical care of the students.

Hostel Facilities

Women's Hostel with an intake capacity of 85 is accommodating 32 students. Rev. Biju C.P. and Rev Jacob John led counseling classes on every first and third Thursdays of each month for the inmates. Hostel Day celebrations were conducted on 14th March 2011. Rev. Jacob John was the chief guest. Men's hostel with an intake capacity of 20 is now accommodating 7 students.

33. Performance in Sports Activities.

College Men Football, Cricket, Shuttle Badminton and Table Tennis teams and Women Cricket and Table Tennis team participated in the Kerala University Inter Collegiate Tournaments. Six women Cricket team members played for Alappuzha District Senior team and three played for the junior team. Souparnika Santhosh (II BSc Zoology) and Vishnu Priya S. (I BA History) were selected to the Kerala Cricket under 19 and they played the National Championship at Vijayawada, Andhra Pradesh. College hosted Kerala University Women Cricket Tournament from 15-17 November 2010 and our college won the runner up. Souparnika Santhosh (DCII Zoology), Vidhya V. Varrier (DC III Economics), Vishnu Priya (DC I History), Ambily K. K. (DC II English) and Premaletha K. (DC II English) were selected to the Kerala University team. They played for the University in the Inter University Women's Cricket tournament held at Gwallier from 16-27 December 2010.

The college Annual Sports was held on 25th January 2011 on house basis. The flag was hoisted and the meet was opened by Smt. Suja John, Chair Person, Municipal Council, Chengannur. Red House secured the overall Championship. Anoop Susheel, III B.Sc. Physics and Souparnika Santhosh (II B.Sc. Zoology) were the individual champions. Inter house games championships were also conducted. Green house won the shuttle badminton and table tennis championships and Yellow house won the cricket and football. Prof. Ruby Mathew (Physical Education Lecturer), Prof. Mathew Varghese (General Convener) and the teachers who are in charge of the houses deserves appreciation for the pain they have taken for the smooth conduct of the annual athletic meet. Renovated indoor badminton court was inaugurated by the Manager Thirumeni on 17th September 2010.

34. Incentive to Outstanding Sports Students.

The college annual sport was conducted on 25th January, 2011 in which outstanding sports persons were honored. Financial help was given to sports and athletic students coming from BPL families. The University also provided Allowances to students for attending University matches.

35. Student Achievements and Awards

- Ms. Gem Cherian secured First Rank in M.A. English and Mr. Sunil Kumar S. secured third rank in M.Sc. Physics from the University of Kerala.
- Ms. Deepa Mariam Alex (III B. A. Economics) and Ms. Anumol A. (II B.A. Economics) won the prestigious Nehru Trophy in the All Kerala Intercollegiate Debate Competition organized by the Nehru Centre, Thiruvananthapuram on 13th November 2010. Ms. Deepa Mariam Alex won the individual first prize also.
- Ms. Achu Anna Mathew (III B.A. English) has been awarded the first runner up and Rs. 5,000 cash prize in the Intercollegiate Debate Competition organized by Laurels School of Management, Indore in association with Mar Thoma College of Management & Technology, Perumbavoor.

Results

The results of B.Sc./M.Sc. Degree examination of March-April 2010 is detailed below:

Degree Results

Subject	Total Appeared	First Class	Second Class	Third Class	Total Pass	% of Pass
Mathematics	24	9	3	5	19	70.83
Physics	20	8	6	2	16	80.00
Chemistry	22	3	5	1	9	40.90
Zoology	21	10	5	-	15	71.42
Botany	33	7	8	3	18	54.54
English	22	1	3	3	7	31.81
Economics	32	2	2	9	13	40.62
History	32	2	3	21	26	81.25

PG Results

Subject	Total Appeared	First Class	Second Class	Third Class	Total Pass	% of Pass
English	9	6	2	1	9	100
Economics	7	1	5	1	7	100
Physics	10	8	-	1	9	90
Anal. Chemistry	11	4	-	5	9	81.8

36. Activities of the Guidance and Counseling Unit

Constant training and Counseling was given to students for appearing various competitive examinations and campus recruitment drives. A model aptitude test was conducted for the students in association with NIIT, Chengannur on 22nd September 2010. Various seminars on Career opportunities, personality development, facing the interview board etc. were conducted for the students in association with various agencies like NIIT and APTECH. Job opportunities and campus recruitment drives were advertised or displayed through proper notices and brochures. Awareness programmes for CAT, MAT examinations for Degree second year and third year students were held. Coaching classes for bank tests were started on 26th February 2011 in association with TIME. Prof. Mathew Varghese served as the Placement Officer.

37. Placement Services Provided To Students.

A career guidance and placement cell functioned in the college under Prof. Mathew Varghese of the Department of Economics. The programmes of the cell are:

- Training of students for competitive examinations and for facing interviews.
- Invite organizations for campus interviews.

Constant training and Counseling is given to students for appearing various competitive examinations and campus recruitment drives. Various seminars on Career opportunities, personality development, facing the interview board etc. were conducted for the students in association with various agencies like NIIT, ICFAI, APTECH, DRONA, Incredible HR etc. Job opportunities and campus recruitment drives were advertised or displayed through proper notices and brochures. Prof. Mathew Varghese served as the Convener.

38. Development Programmes for Non-teaching Staff

The computer lab has been providing free training in computer basics to non teaching staff. Six of the office staff members are now well versed in computer operations.

39. Healthy Practices of the Institution

- Every academic year starts with a staff retreat. Curricular and co-curricular activities to be implemented, goals to be achieved and methods to be adopted are discussed and finalized in the meeting. Thus democratic procedures are followed at every stage of development of the institution,

- An induction programme is held for the freshers at the beginning of their academic year to provide a general awareness of the institution, the nature of curriculum, the tradition and discipline of the institution and its vision and mission. This induces in them an urge to be studious in all their academic pursuits right from the beginning of their programme,
- The discussion of the Manager with members of the faculty of each department and students accentuate the drive towards academic excellence and motivate them to partake in the process actively,
- Linkage of the institution with IIT Bombay, Tata BP Solar India Ltd Bangalore, Cochin University of Science and Technology, etc., for collaborative research, helps the faculty in producing best research output and to use it for the benefit of the society. The association of the institution with KSCSTE for student projects generate a keen interest in research among students,
- Activities of N.S.S. and N.C.C. that link the curriculum with social realities and helps promote social commitment among students. The classes arranged on legal awareness, AIDS, road safety, blood donation and cancer awareness generate civic consciousness and help them to imbibe social values,
- Seminars, exhibitions, study tours and visits to forests and ecologically fragile zones, industries and research institutes give students a chance to get exposed to life situations,
- Categorization of students into slow and advanced learners; arrangement of tutorial/remedial classes for slow learners; and provision of enrichment classes, special assignments, peer teaching opportunities to advanced learners, etc., promote academic excellence,
- Supervision of the institution by the Higher Education Commission of Mar Thoma Sabha and its annual conferences help in the exchange of innovative ideas among various centres of academic excellence that come under the body and ensures the upgradation of academic quality.
- Awards given to the faculty by the Management for contributing to peer reviewed journals and books.

Councils and Meetings

The Governing Council of the college met several times during the year and gave necessary directions regarding general administration and development of the college. Staff Council met regularly to decide on matters relating to administration and academic progress. Teaching Staff meetings and non teaching staff meetings were also conducted regularly and staff members gave valuable suggestions for improving the academic atmosphere. A Staff retreat was conducted on 10th August 2010. Rev. Dr. Abraham Mar Seraphy led the retreat. Teaching Staff Association Secretary Prof. Biji Abraham and non teaching staff association Secretary, Sri. M. V. Thomas took pain in arranging different programmes for the Staff and Non-teaching Staff Association respectively.

40. Linkages developed with National, International, Academic, Research Bodies

The Departments of Physics and Chemistry have linkages with scientists in national and international laboratories in frontier areas of research like

1. Sultan Qaboos University, Sultanate of Oman
2. Istvan Lagzi, Department of Physical Chemistry, Eotvos University, Budapest
3. Department of Physics, Mysore University
4. Department of Chemistry, Cochin University of Science & Technology
5. Magnetics Lab, Cochin University of Science & Technology, Kochi
6. School of Chemical Sciences, Mahatma Gandhi University, Kottayam
7. Sol Gel Lab, SPAP, Mahatma Gandhi University, Kottayam
8. Tropical Botanical Garden and Research Institute (TBGRI), Trivandrum
9. Quality Assurance Laboratory, Kollam
10. Crystal Physics Centre, St. Berchmans College, Changanacherry

41. Any other relevant information's the institutions wishes to add.

The institution situated in one of the highest hills in Chengannur is blessed with scenic beauty. The calm, serene and elegant atmosphere provides an ideal environment for learning. Christian College, Chengannur has a tradition of high academic excellence. Each year, students of this college will be there among the roll of honour of the University bagging ranks. To keep par with the motto of the institution the faculty members are striving hard to achieve perfection and excellence in the field of education and research.

Part C

Detail the plans of the institution for the next year

The plan of the institution for the next year is listed in a nutshell as follows:

- Conduct national/regional level seminars by submitting projects to UGC and other agencies
- Conduct seminars and lectures by Career Guidance and Placement Cell.
- Inspire faculty to undertake more research projects and publish research articles in peer reviewed journals
- Instigate teachers to participate in conferences and refresher courses
- Develop the college campus as an eco friendly and plastic-waste free campus
- Planting of trees in the campus and their maintenance
- Enhancement of Botanical Garden.
- Completion of construction work on Seminar Hall and Meditation Centre
- Shifting of Gymnasium to a larger area
- Improvement of Canteen seating facilities
- Refurbishment of Principal's Room
- Painting the College Buildings
- Enhancement of History Museum
- Spruce up Auditorium
- Aluminum Roofing of Main Building
- Renovation of Student's Toilets

*Name and Signature
of the
Co-ordinator of IQAC*

*Name and Signature
of the
Chairperson of IQAC*