



"a righteous heart seeks after wisdom"

NAAC A(3.3) in the third cycle of accreditation

annual report 2016-2017

Administration



Rev. Dr. Jose Kuriedath
Manager



Rev. Dr. Prasanth Palackappillil
Principal



Rev. Dr. Jose Thuravackal
Vice Principal



Staff Secretary



Staff Representative

Editorial Team

Dr. Jose John | Dr. Jeenu Kurian
Shijo Varghese | Sreejith M.G.

contents

04	Message from the MANAGER
05	Annual Report 2016-'17
09	Reports from various Departments
23	Activities of International Office
24	Reports : NCC, NSS
29	Club Activities
38	Major Events
40	Publications





Message from the MANAGER

Sacred Heart College, Thevara, in the year 2016-17, has remained acutely focussed on its vision to provide all-round development to its students, as we continue our march towards delivering highest quality education as an institution recognized for its unrelenting focus on holistic student development. The accelerating pace of societal change has altered both the public expectations for educational institution and the nature of the students who attend them. The sooner we realize it, the better we can play a transformational role in scaling up education to the needs of the present and of the future.

A welcome step in this direction is the Industry Institute Interface programme - a unique event organized with the objective to bridge the gap between industry and the academic institution. Our academic programs were presented before major companies in the cities for their inputs and comments. Exercises such as these open up wider avenues of collaboration between the industry - institute collaboration and helps in bridging the gaps between the potential employers and trained workforce.



I take this opportunity to thank the Principal, teaching & non-teaching staff of Sacred Heart College, Thevara for their effort and support during this academic year. Despite the push pulls of our life as fathers, mothers, husbands, wives, pastors we continue our strife as educationalists who work for a larger purpose. Your contribution in building this institution is much appreciated.

Rev. Dr. Jose Kuriedath, Manager

Annual Report 2016 - 17



Another year of tremendous success and great pride has passed Sacred Heart College and the achievements are the combined efforts of our entire community - students, faculty, staff, alumni and stake-holders. Our college in the past few years has been in the trajectory of achievements unparalleled in its history. Sacred Heart College attracts the best and brightest students from our state, as being evident by the fact that only 25% of the students applied gain admission. The first autonomous batch of Post-Graduate students has passed out with flying colours this year while yet another Under-Graduate batch of students will leave an imprint in the history of the college as the first autonomous batch this year.

Rev. Dr. Prasant Palackappillil
Principal

SH college was accredited with an A grade by the NAAC in the 3rd cycle in 2013. The popular magazine India Today ranked SH College 25th in the best science college category and 29th in the best arts college category and 31st in the best commerce college category. The Week rated SH college the 43rd, 19th and 23rd in the arts, science and commerce categories respectively. The College was awarded "Centre for Environmental Education and Rural Development"(CEERD) by St. Stephen's College, Uzhavoor.



It was an honour for our college to host some very eminent guests last year including the Nobel Laureate Prof. Ei-Ichi Negishi and Cardinal Mar George Alencherry. Their presence during the INSPIRE program was inspiring. Three new courses namely BBA, BCA and MSc Environment Science were introduced last year. The latest infrastructure innovations include upgrading the basketball court according to the international standard norms, renovated office space for various student support activities and a futuristic amphitheatre.

Our College comprise of 1972 Under Graduate Students, 380 Post Graduates, 25 pursuing M.Phil and 18 research Scholars. There are 142 teaching faculty members and 43 non-teaching staff members in our college.

The Student union representatives were elected on parliamentary mode and the students selected for the posts are listed below.

1	CHAIRMAN	Ajin Joy
2	VICE CHAIRPERSON	Gopika.G
3	GENERAL SECRETARY	Gerome Joseph
4	UUC	Aloxious Xavier
5	UUC	MathechanShijo
6	ARTS CLUB SECRETARY	Sreejith
7	MAGAZINE EDITOR	Joe Joseph
8	LADY REPRESENTATIVE	Elsa Seby
9	LADY REPRESENTATIVE	Catherine Jose
10	I DC REPRESENTATIVE	Tarun
11	II DC REPRESENTATIVE	Rahul Prasad
12	III DC REPRESENTATIVE	Anaida Ann Jacob
13	I PG REPRESENTATIVE	NithinEphrem
14	II PG REPRESENTATIVE	Jijo Joseph

Students' Achievement

SH college is well-known for its extra-curricular activities. Students continue to make the college proud by receiving accolades in various fields. In the MG University sports tournament, SH College secured 9 championships for the first time in various items. 9 students also represented India in several games at the international level. Sojimon Joseph has been selected to represent India in the under 19 cricket team. Arjun MR represented India in the junior badminton team. Maria Rony secured bronze medal in Asian table tennis. Salman Nizan represented Kerala in the Ranji cricket team. Ashique Darvash represented India in the beach handball team in Dubai. Our college secured overall 4th position in the MG University youth festival. Moreover, our students bagged many prizes in various intercollegiate competitions. During this academic year, few of our students from various departments cleared NET Exam. On 26 January 2017 Cadet JUGAL VIPUL VED was a part of Republic Day Parade at Delhi, representing NCC Naval wing from Kerala and Lakshadweep Directorate. He participated in PM rally and won second Best cadet award for the ceremony.

Staff Achievement

Rev. Dr. Prasanth Palakapillil CMI was adjudged 'Best College Principal', an award instituted by Edulight. Our staff made outstanding contributions across academic, professional and research arenas. Dr. Sumod S G of the department of Physics received the Young Scientist Award from the International Union for Radio Science. Mr. Rajesh James of the department of English won the P K Rosy award



for the best documentary from the ministry of culture, government of Kerala. Mr. Pios Augustine of the department of Physics was selected for the research exchange program at Shibora Institute of Technology, Tokyo, Japan. Ms. Radhika P C and Mr. Sajoy P V of the department of Commerce were awarded Ph.D. Ms. Shobha Liza John of the department of French, Mr.Siby Abraham, department of Economics, Mr. Madhusudanan Nair, department of Economics, Ms. Tessa Mary Jose, dept of Commerce and Ms. Agile Joy, department of Economics are pursuing their Ph.D under the Faculty Development Programme. Research guideship was conferred to Rev. Dr. Jose John of the department of Botany, Dr Siby Mathew, department of Physics, Dr.Jinu George, Dr. Mathew MJ, department of Chemistry.

Obituary

We deeply grieve the loss of two of our faculty members, Dr.Roy Zacharias, Department of Botany, and Ms.Shubi Terese Sebastian, Department of English. We remember their service with gratitude.

Human Resource

After having served our college dutifully, few members of the teaching and non-teaching staff are leaving our institution this year. They include: Mr W T Paul, Department of Mathematics, Dr Cyriac Antony, Department of Statistics, Dr M S Francis, Department of Botany, Dr R K Varghese, Department of Sociology and Mr Thomas A L, Office Senior superintendent of the college, KP Joseph, Mr KV Chako and Sr. Lisamma VV. Meanwhile we welcome the

newly appointed teaching and non-teaching staff: Ms Smitha S Department of Zoology, Dr, Rajesh M, Department of English, Mr Leslie Augustine Department of Botany, Mr Pius Augustine Department of Physics, Dr Moncey Vincent Department of Zoology, Mr Ebin PJ, Department of Botany, Mr Kiran George Koshy, Department of Botany and Ms Divya Vinayan, College office.

International

Three students: Ms Neethu Xavier of II DC Economics, Ms Ann Teres Babu of II DC Chemistry and Ms Sreedevi M S of Zoology department went to Juniata College, Huntingdon, Pennsylvania, to study and do project work for one month. Dr Johnson KM of English department accompanied the students. The College is looking forward to sign more MOUs with other international partners in the coming academic year.

Seminars, Workshop and Talks

The College organized a first-of-its-kind Industry - Institute interface on 27th October 2016 coordinated by the IQAC of the College. It was possible to identify the key attributes employers look for in students and these attributes will be incorporated in the syllabus as add-on courses or new programs at the next round of curricular revision.

Age friendly campus, an initiative by our college to develop the skills of senior citizens was inaugurated on March 2016. This initiative aims to offer senior citizens an opportunity to acquire vocational education and computer knowledge. The students themselves have



taken up the role of teaching. PARVA 2016 was an art exhibit born out of the joint collaboration of the SH College Union, the Management and Kochi Biennale Foundation. The events featured various cultural programmes, workshops, artworks and talks which were held from 18th Feb to 22nd Feb. Heartian Harvest is another unique venture of the SH Community in order to promote healthy living. Heartian Harvest is a market place where students and staff can buy and sell organically produced vegetables, fruits and homemade snacks. The Bio-market was inaugurated on August 22nd 2016. The one day seminar entitled 'Innovations in Organic Farming: Prospects and Challenges' was organized by Boomithrasena club. The department of Botany has organized an intercollegiate fest "Florentino 2K7" on 6th February 2017. In the Department of Zoology, the new program, M.Sc. Environmental Science was inaugurated by Dr. George Francis, M.D. of live energies, GMBH, Germany. The department of chemistry in collaboration with the international office organized an international seminar on 'Negishi Coupling Reaction'. The department of Sociology organized a seminar on 'Transgender Identity: Realities and Issues'. The English Department organized Dr. Dan Memorial National seminar. A 2-day research paper writing workshop was organized by the department as a part of the faculty training programme. The Department of Mathematics organized an Intercollegiate Mathematics Fest "KANAKEECIA - 2017". Rev. Fr. John Therezhath Endowment Lecture series was held on 11th February 2017. The Department of Economics in association with the Centre for Public policy Research and supported by US



Consulate organized a one day international seminar on "The US presidential Election 2016". The Dept of Computer Science organized a workshop on Moodles. Blitzkrieg 2017, an intercollege IT fest was also organized by the students. The Department of Commerce organized THANDAV and intercollege cultural fest. I WISH- an organ donation event was organized by the college union. Over 1500 students pledged and signed a declaration for donating their organ. Vayanadinam, a unique program was celebrated by collecting old books and contributing to school libraries.

It has been my privilege to lead Sacred Heart College at this time in its history, and I feel confident that our momentum will remain strong through the coming transition period and beyond.

Reports from Various Departments

Dept. of Botany

Activities

Valedictory function of Botany Association was celebrated on 12th February 2016. Ms. Gissy George, subject matter specialist in fruit processing, KVK industries, delivered a session on post-harvesting conversion of jackfruit to various value-added products. Flora Fest, the cultural extravaganza of the department, was celebrated in February. The Department of Botany has organized a spectacular exhibition- "Kinash" on 15 February 2016, in which hand-made products, indigenous food items, vegetable seedlings, flowers, medicinal plants, mural paintings were exhibited. Botany association activities for the year 2016-17 were inaugurated by Sri Shoji John, resource person, KVK, Ernakulam. 'Fruitipedia' an exhibition of the wide spectrum of fruits got public attention and appreciation. Botany association brought out 'Dalamarmaram', the manuscript magazine and 'Botanica', the newsletter. Botany association organized "Juniper"- an exhibition-cum-sales of

hand-made products made by the students on 13th January 2017.

An ongoing extension programme of the department funded by San Diego County Orchid Society (SDCOS), California, USA, is being held on "The restoration of Orchids in human transformed landscapes involving local community and schools in Waynad district, Kerala". As part of World Environment Day, the Department of Botany successfully documented the Flora of PonnakudamKavu Sacred Grove, Thevakkal. Mr. Jeo Joseph participated the "International Conference on Microalgal and Cyanobacterial Biotechnology" held at National Facility for Marine Cyanobacteria Bharathidhasan University, Coimbatore from 29-31 August 2016. Mr. Jeo Joseph successfully completed the "Training Programme on Conservation and Evaluation of Biodiversity" at Kerala Forest Research Institute during 18-19 March, 2016. Mr. Jeo Joseph has participated the Training programme on "Monitoring Structure and Function of Pelagic Ecosystem Regional Sectors: relevance of Fisheries" organized by ICAR-



Central Marine Fisheries Research Institute (CMFRI), Kochi from 16th November to 6th December 2016. Mr. Jeo Joseph successfully completed the training on “Geomatics for Coastal Zone Management. The department organized an intercollegiate fest “Florentino 2K7” on 6th February 2017. Ms. Swapna Vijayan attended L2L training programme on 18th November 2016 conducted by Saif STIC, CUSAT. Mrs. Parvathi V Mavelil attended the training programme on “XXX-Winter School on Advances in Molecular Diagnostic Techniques; Biotechnology and Immunology” on 5th- 7th December 2016 conducted by School of Biological Sciences, Madurai Kamaraj University, Madurai. Dr. Giby Kuriakose delivered a talk on “Biodiversity and Climate change” at Santhikadu Devi Temple on 3rd February 2017. He delivered another talk on “Biodiversity of Thevakkal Sacred Grove” on 21st January 2017. The department organized the 10th edition of Fr. Aquinas Intercollegiate Quiz Competition on 10th January 2017.

Guruvandanam programme was conducted at Melesius hall in honor of late Prof. T.U. Joseph on 02.04.2016. Dr. John. E. Thoppil, Head of the Department of Botany, University of Calicut, a reputed alumnus and the first PhD holder from the college was invited to share his experience.

Achievements

The post graduate students secured 100% pass. Mrs. Reshmi S. and Mrs. Soumya Mulari were awarded Ph.D and Mr. Jithin submitted his doctoral work. Ms. Jis Sebastian, Research Scholar, Dept. of Botany has received equipment aid for young researchers from Ideawild, Fort Collins, USA, and she was also selected as young scientist for the Darwin Scholarship Programme held in August 2016 by Field Studies Council, UK. She also received Dr. C. Chandrasekharan Memorial Award by KFRI in November 2016. Recently, she received “Training and Travel 2017 Grant for attending Ecology 2017 international symposium Turkey”

Ms. Jayalakshmi P. S, Ms. Merin Ann Ninan, and Mr. Joby Xavier cleared NET. Department took leadership in enlisting the flora of SH premises. Under the leadership of Fr. Jose John and Mr. Prasanth Prabhu, a fern house is in the process of completion. Ms. Sreedevi C S and Carol Babu secured first and third positions respectively in the V. J Dominic Endowment intercollegiate project presentation competition held at St. Teresa's College, Ernakulam on September

2016. Akshay Bhasi and Unni Meghalan of II DC won first prize in MG University Skit Competition 2015-16. Mr. Manikuttan R. Nair (III DC) was Captain of SH College & Member of MG University basketball team, who were runners up in South Indian interuniversity basketball competition held at Chennai.

Three faculty members registered for PhD. Fr. Dr. Jose John was recognized as research guide by MG University, Kottayam. Fr. Dr. Jose John was nominated as a subject expert to the core committee for the National Institute of Plant Science and Technology, MG University, Kottayam. Dr. MS Francis was invited as the external expert for conducting the Academic Audit of the Department of Botany at St. Theresa's College Ernakulam. He chaired a session in the National Seminar- “Glimpses in to the diversity of lower groups of plants” held at Maharajas College Ernakulam on 29th and 30th November 2016. Dr. Giby Kuriakose was a resource person for Mathrubhumi SEED-Season Watch. He successfully completed the DST funded major project entitled “Spatial distribution of orchids in relation to their habitat and climate in the Western Ghats”. The faculty members published 6 research articles in various journals. Prof. Lesly Augustine attended the European Molecular Biology Organization (EMBO) conference entitled “Micro and Metabolic Regulators in Plants” held at Trivandrum on Feb 1-4 and received the award for the best poster presentation.

Dept. of Zoology

Activities

The departmental fest "GENYSYS 2017" was successfully conducted with the theme of the year as 'Evo-Devo' (Evolution and Developmental Biology). As part of this, an intercollegiate pentathlon for Fr. Gabriel Chiramel CMI Ever-Rolling Trophy was also organized. St. Teresa's



college emerged as the overall champions in the pentathlon.

Smt. Seema Suresh, noted woman wildlife photographer, delivered a talk on wildlife photography. There was also an exhibition of her wildlife photographs. Dr. Shaju Thomas, Associate Professor and Head (Rtd), Dept. of Zoology, Nirmala College, Muvattupuzha, and Senior Fellow for Science Writing and Communication, Kerala State Council for Science, Technology and Environment delivered a talk on “Evo-Devo”.

Study of nature and environment is an integral part of the learning activities of the department. Students of various batches were taken for nature camps conducted at Chinnar Wildlife Sanctuary, Eravikulam National Park, Thattekad Bird Sanctuary, etc.

In line with the Learning-by-Doing approach of pedagogy, an innovative practice of animal rearing was undertaken for the final year UG students as group activity. As part of this programme, our students actively engaged in poultry, aquaculture, apiculture, cuniculture and vermiculture.

Achievements

The department strengthened its teaching-learning activities through the integration of classroom teaching with ICT enabled education, group activities on animal rearing, field visits etc. Our students brought laurels to the department and institution by achieving good academic results at the university level. Our outgoing student, Ms. Natasha Fernandez secured the second position in the MG University B.Sc. Zoology Examination. The result of PG examination was also excellent with an overall pass percentage of 90.

Mr. Jithin Johnson of M.Sc. final year was awarded UGC-CSIR JRF with a national rank of 68. Navya Pious and Arathy Ponnann of final year M.Sc, as well as Nimitha R. Chandran of the 2012-14 M.Sc. Batch qualified UGC-CSIR NET.

Ms. Sreedevi M. S. was selected for the student exchange programme to visit Juniata College, Huntington, USA.

Dr. Mathew M.J. participated and presented a paper in the 20th International Congress of Arachnology held at Golden, Colorado, USA. He was also awarded the foreign travel grant by UGC to attend the conference. He was awarded guideship by MG University. Dr. Mathew had also functioned as a resource person and judge

in the Kerala State School IT Fest conducted by the Dept. of General Education, Govt. of Kerala. Prof. Raagam P. M. delivered a talk on “Gastrulation, Cell Differentiation and Gene” as a part of the Teresian Lecture Series at St. Teresa's college, Ernakulam. She also functioned as a judge in the CBSE Regional Science Exhibition held at Ernakulam.

Research

The department boasts of a very strong track record in research. Three major projects are currently underway with a cumulative total outlay of 1.23 crores. The Division of Arachnology published nine research articles in reputed international journal – Zootaxa during the past year dealing with various aspects of taxonomy and ecology of spiders in the Western Ghats. Our research scholar, Emiliyamma K.G., Scientist, Zoological Survey of India, Calicut was awarded Ph.D. by M.G. University. Mr. Dhruv Prajapati, research scholar in the Division of Arachnology was conferred the “Young Naturalist Award” instituted by Sanctuary Asia. Dr. Mathew M.J. presented a paper on the spiders of Shola ecosystem in the National Seminar on Ecology, Sustainable Development and Wildlife Conservation, held at St. Joseph's College, Bangalore. He also chaired a scientific session in the above seminar. Dr. Moncey Vincent was selected for FLAIR Induction Programme conducted by the Directorate of Collegiate Education, Govt. of Kerala.



Department of Chemistry

Department of Chemistry is celebrating its 70th anniversary this year. Activities of Chemistry Association were inaugurated by Mr. Shanavas Bavu, Territory Manager, (South Asia & Middle East) at Flavourtech Pty. Ltd., Griffith NSW, Australia. Department of chemistry organized Prof K V Thomas Endowment International Symposium on February 9th to 11th, 2017. Hon'ble Governor of Kerala, Justice P Sathasivam inaugurated the seminar. Nineteen speakers from across the globe delivered plenary lectures on various topics in chemistry. Around 300 participants including Scientists, teachers, research scholars and PG students from various universities attended the symposium. 162 research papers were published and 146 posters were exhibited and evaluated.

Indian Academy of Sciences in association with Post Graduate & Research Department of Chemistry Sacred Heart College (Autonomous), Thevara, Organized Science Academics Lecture Workshop on "Computational Quantum Chemistry" on 05th to 07th January 2017. Department also organized Prof Varghese Paul Endowment lecture on 06-09-2016 by Dr. Sreejith Shankar Pooppanal, Humboldt research fellow, Germany. Prof V A Joseph Endowment Seminar was organised on 20th September 2016. One day seminar based on Ozone day celebrations was organised on September 29th and talk was given by Dr. P Shaiju, Marine campus CUSAT. In connection with international year of pulses the department organised one day seminar on December 10th 2016, Mr Philipgi T Kanatt was the chief guest. Department of Chemistry organised Chirasmara-2016 on October 8th 2016 to honour the alumni who has joined in various colleges as chemistry professors. 1988-91 batch Instituted silver jubilee endowment for financial aid for a student doing under graduation of Rs 2.6 lakhs. Dr. Jorphin Joseph was selected for FLAIR induction programme. Dr. Franklin John got admitted to Royal Society of Chemistry (RSC), UK as Member (MRSC). Dr. Jinu George became Guide under MG University and awarded with visiting fellowship at JNCASR, Bangalore. Dr Grace Thomas has delivered an

invited lecture on "Doing science with nature" at Junaita College, Pennsylvania, USA. Dr. K B Jose, Ms. June Cyriac and Mr. Midhun Dominic C D procured Project funded by KSCSTE under SPYTIS scheme. Ms. June Cyriac, Assistant Professor attended a workshop for teachers organised by JNCASR, Bangalore and FCBS Trivandrum. Dr. Jorphin Joseph and Dr. Abi TG published papers in peer reviewed journals. Mr. Midhun Dominic C D, Assistant Professor along with Ms. Malasree published a paper as a part of her MSc Project. MSc students, Ms. Sethulakshmi and Ms. Rupa Kamath, published papers in high impact journals as a part of their MSc project. Many of the faculty attended UGC sponsored seminars. Mr. Midhun Dominic C D, Assistant Professor, along with BSc Students, Shino Chacko and Thara Tom, published paper as a part of their BSc Project. MSc Student MsHyna presented a paper in the national seminar held at Bharatamata College, Thrikkara. The chemistry festival Chemifest was celebrated based on green protocol on January 21st.

Dept. of Mathematics

Activities

The Mathematics Association was inaugurated by Dr. Shery Fernandez of Department of Mathematics, St. Alberts College, Ernakulam. Zero day, the cultural fest of Dept. of Mathematics was conducted on 17th December 2016. The Department celebrated the National Mathematics day on 22nd December 2016 by conducting power point presentation competitions and problem solving competitions for our students. The Department organized an inter-collegiate Mathematics Fest "KANAKKECIA - 2017" on 13th January 2017. Competitions in power point presentations, Sudoku, Just A Minute (JAM) and Relay were held on that day, along with Rev. Fr. John Therezhath Endowment Intercollegiate quiz competition in Mathematics. The Department organized Rev. Fr. John Therezhath Endowment Lecture series on 11th February 2015. Dr. Noufal of CUSAT delivered a talk on the typesetting software LATEX. A special general body meeting of ALMAT was held on May 28th 2016 to bid farewell to Associate Professor Jose P Joseph. The annual general body meeting of ALMAT was held on 15th August 2016.

Minnumol P.K. was appointed as guest lecturer and the department bid farewell to associate professor W.T. Paul (1984-2017), Associate Professor Dr. Cyriac Antony (1983-2017) by the end of the academic year.



Achievements

Cadet Suvidith K. of II B.Sc Maths attended Republic Day parade at New Delhi.

Our Mathematics quiz team consisting of Jisa P James and Aparna V of II M. Sc, Vandana B Prabhu of III B.Sc, Suvidith K and Savio Manual Manu of II B.Sc Maths and Vishnu K.S. of I B.Sc Maths won two first prizes, three second prizes and two third prizes in intercollegiate quiz competitions in Mathematics conducted in various colleges. Chitralkha R of III B.Sc Maths won first prize in the intercollegiate competition "MATH TEACHER" held at MES college Marampally. Vishnu K.S. of I B.Sc Maths won 2nd prize in the Inter-collegiate problem solving contest in mathematics held at Assumption College, Changanacherry. Athira C.H. of II B.Sc Maths won 1st prize in the intercollegiate competition in "MATH ART" held at St. Teresas College Ernakulam. George Thomas of II B.Sc Maths won 1st prize in the intercollegiate Math Photomagic competition held at St. Teresas College Ernakulam. The team consisting of Jisa P James, Vandana B Prabhu, Minu Jose, Meenu Bernard, Rita Rose John, and Aneeta Thomas won the 1st prize in the college level Mathematics Exhibition competition held at St. Alberts College, Ernakulam.



Dept. of Computer Science

The 2016-2017 academic year started on a full swing with great plans and expectations ahead. Department has started new flagship UG programme BCA (Specialised in Mobile Application and Cloud Technology) and welcomed two faculty members Mr. Shailesh Sivan and Ms. Christy Jacqueline for BCA.

April 12: Hands-On Workshop on Moodle: Dept. of Computer Science has organized a hands-on workshop on Moodle for SH faculty members on 12.04.2016 in the Chavara IT Centre. It was handled by Prof. Binu A, HoD, Dept. of IT, RSET. Principal Fr. Prasant addressed and felicitated the gathering. 40 faculty members attended the workshop. The basic features of Moodle was introduced. Dr. Joseph T Moolayil and Dr. Jimmy Sebastian have given feedback about the workshop.

June 3: Books Distribution (Outreach program): As part of an outreach programme, department of Computer Science has distributed note books to 100 deserving high students of Sacred Heart School on 03.06.2016. The venture was sponsored by the department alumni. The School Headmistress, Fr. Prasant Palakkappillil, Mrs. Regitha Baiju and Fr. Nijo Antony felicitated the gathering. Alumni representatives Mr. Peter Daglish, Mr. Arun Chandran, faculty members and students were present on that occasion.

June 16: Food Packets Collection (Outreach Program): Department collected food packets for 'DAYA' charity trust. The programme was associated with Department of Sociology.

August 06: Free Software Day - Poster Exhibition: In connection with Free Software Day, department conducted a poster exhibition in College Portico on 06.08.2016. It was inaugurated by the Principal Rev. Dr. Prasant Palakkappillil. It covered the following topics: History, objectives, list of free S/W and membership to FOSS, application S/W related to free software, naming conventions, famous companies and personalities related to free S/W, advantages and promotion of S/W. As part of poster exhibition department has conducted an IT quiz competition. Students of other departments have participated and won prizes.

August 12: Relay Coding Competition: As a part of the CASA (Computer Application Students Association) inauguration, Department of Computer Science conducted a relay coding competition for the entire students



of Computer Science Department. The program coordination was done by the faculty members of both BSc CA and BCA together. 9 teams, each consist of 2 members, from 1st, 2nd and 3rd year B.Sc. CA and 2 teams from BCA participated in the competition. The competition was held on 12th August 2016. The duration of the competition was 20 minutes. A team from the 3rd year B.Sc. CA won the competition.

July 22: Industrial Visit: As a part of the academic progression, department took initiative to conduct an industrial visit. For this, a well-known company called UST Global was selected as the site for visit. Full cooperation was lent by the company on request for visit. The visit was primarily focussed on enlightening the students about the conditions of work in an IT firm. The faculty members Mrs. Regitha Baiju and Fr. Nijo Antony accompanied the students for the industrial visit. The first industrial visit of the department, was a very informative and inspiring one giving a clear idea about how an IT firm works. From this point on the Dept. of Computer Science hold a cordial relationship with UST Global.

August 16: Inauguration of Department Association (CASA): Department association CASA-2016 was inaugurated by Ms. Honey Philip, Senior Consultant in Application development, UST Global, Kochi on 16.08.2016. She delivered a talk on 'Agile Development Methodology'. She has given a comparative study between traditional methodology and Agile methodology. She also explained the beneficiaries and limitations of the new methodology. The Principal Rev. Dr. Prasant Palackappillil CMI delivered the presidential address wherein he appreciated the department for its vibrant activities and endeavours in the previous years.

August 16: Honouring Students: In connection with the inauguration of CASA, the Dept. has honoured the students for their excellent academic performance. 'Alex Memorial ABC (Achievement Beyond Curriculum) Award 2016', 'Alumni Endowment for Best Academic Performer 2016', 'Chandrasekharan Memorial Awards for Excellent Academic Performers 2016' were given to Ms. Meenakshi, Ms. Sukanya, Ms. Sandhya and Ms. Annet respectively. The function came to an end with the cultural activities of the students.

August 27: Institutional Collaboration: As part of the institutional collaboration, department has taken an initiative to visit Rajagiri College of Social Science, Kalamasserry on 27.08.2016. Seven faculty members have

reached Rajagiri at 10 am. Rajagiri faculty members gave a warm welcome to the SH faculty members. We discussed about the syllabus revision, difficulties faced for finding the question paper setters and examination evaluators. We discussed about the administrative software use in both colleges. Coordinator of MCA of Rajagiri Mrs. Abusha has given a clear picture (merits and de-merits) about the question bank settings. SH faculty members visited the outreach lab and computer lab of Rajagiri.

October 01: DQAC Meeting: The DQAC (Department Quality Assurance Cell) meeting of department of Computer Science has provided an opportunity for a strategic overview of the entire learning and teaching activity. The meeting was conducted on October 1st 2016 in the Chavara IT Centre of Sacred Heart College, Thevara at 10 am. The review has helped to develop and maintain high quality standards to improve the academics.

The meeting was started with silent prayer. Ms. Regitha Baiju, HoD, gave a warm welcome to all committee members individually. She presented a brief report in form of PPT in which all the academic, co-curricular and extension activities of the department during the period from 31st March, 2012 to 31st March 2016 were included. The report included the academic results during last five years and individual progress analysis of each student was depicted in the chart format. The change from the grading system to marking system had an impact on the students result of the 2016 batch. Fr. Jaison discussed about the intake and outcome of the students.

October 31: Soft Skill Training: A three day Soft Skill Training was conducted from 31st of October to 2nd of November, 2016, for final year students of B.Sc. Computer Application. The training was given by Mr. K J Sudhevan, Chief Consultant and Head Coach, ARISE - The Change Hub, Consulting, Learning and Development Services, whose aim was to enhance the confidence level of students along with technical and soft skills. It was an informative and valuable training programme which was worth attending. The topics discussed were of utmost help and would prove useful for the upcoming campus recruitments.

December 03: Extension Programme Department students have given a computer literacy training to high school students of Govt. Fisheries School, Thevara Ferry on 3rd December 2016. Thirty students attended the session. MS Office topics were covered in the

programme. The duration was from 9.30 am to 3.30 pm.

December 18: Motivational Class :On 08.12.2016 all BSc Computer Application and BCA students of attended the motivational class which was conducted by Fr. Sabu, Asst. Professor, Dept. of English at 1.30 p.m. The two hour class was very informative and inspiring.

Training Programme: A large group of selected students of all first year UG programmes attended a training class on MS Office in the Computer lab. The programme was organised by the department faculty. Duration of the class was 4 days.

December 26: Alumni Meet 2016 :Department has taken an initiative to conduct an Alumni Meet. Around 30-35 alumni from different batches of BSc Computer Application gathered to relive old memories. It was a time and event for old relationship to be cherished, celebrated & refreshed and new ones to be formed. New bridges were built. It was time of reflecting, remembering the good old times and memories of the Alumni and working forward with a sense of purpose and anticipation.

The program was welcomed by Ms. Lakshmi Priya, Asst. Professor, Dept. of Computer Science and the invocation lighting of lamp was graced by Rev. Dr. Prasant Palackappillil. Ms. Regitha Baiju has presented a PPT which explained the five years major activities by the Alumni Association such as distribution of study materials for deserving students and honouring students who get excellent academic performance. Fr. Nijo Antony, Asst. Professor and Alumni representative Mr. John felicitated the program. In the interaction session, the students have shared memories and experiences of them during the campus life. The Meet ended with promise to meet again and everyone bid emotional farewell to each other.

January 23: IT FEST - Blitzkrieg 2017: As part of this year's academic program, the students of B.Sc. Computer Application hosted a grant event "BLITZKRIEG 2017", a south Indian fest which aims at exploring the talents of students in technical events on 23-01-2017. The event witnessed 230 participants from various colleges who competed with each other. The head of the Department of Computer Science Mrs. Regitha Baiju has given a warm welcome to all. The chief guest Mr. Johnson K Jose, Deputy General Manager, IT department, Federal Bank inaugurated the fest at 9.30 am and delivered a talk on 'Opportunities after Demonetisation'. The prin-

cipal Rev. Dr. PrasantPalackappillil CMI gave the presidential address. Dr. Cyriac Antony, Dean and Associate Professor of Dept. of Statistics has felicitated the function. Fr. Nijo Antony, Asst. Professor, Dept. of Computer Science gave vote of thanks. After the inaugural session, all technical events started. 240 students from various colleges participated in various events. Valedictory function was conducted at 4.30pm. Mr. Manoj Alappat, HR Manager, UST Global distributed prizes to the winners. The function came to an end by 5.30pm.

Dept. of Economics

Mr. C. J George, MD, Geojit BNP Paribas Financial Services Limited inaugurated the activities of the Economics Association of Department on 17/08/2016 at 2.30 pm. He delivered the key-notes address at the function on "Capital Market and Indian Economic Development".

Outreach and Extension

Rev. Fr. Prasanth CMI, Principal, Sacred Heart College, Thevara inaugurated the "Janaparvam" - the Extension and Outreach programme of Department of Economics at S.V. U.P School, Nettoor on June 14, 2016. The function was presided by Mrs. Jothi George, Headmistress, S.V.U.P school and attended by Economics faculty members, students, school children, PTA president, Maradu Municipality councilor and the local public.

As a part of extension and outreach activities, Economics department organized an interactive session on Union Budget 2016-17 on 21-03-2016 from 10 am to 12.15 pm for faculty members, students and the general public. The theme of interactive session was "An Economic Analysis of Union Budget 2016-17 and Indian Economic





Scenario". Dr. V.K. Vijayakumar - Investment Strategist, Geojit BNP Paribas & former head of Economics Department, Sree Krishna College, Guruvayur delivered the lecture.

As a part of Extension programmes of Economics department, III DC economics students (2015-16) and economics faculty visited "Home for Destitute" (Old Age Home) at Thevara on 14-03-2016. Students spent half day at old age home interacting with inmates, organizing cultural programmes for and with inmates and serving food for them. Students mobilized around Rs. 14000 from students and economics faculty and donated to the old age home to purchase medicines and to provide a high lunch to the inmates on this day.

As a part of extension programme of BA Economics Programme, Economics department organized one day farm cum factory visit for II DC Economics students (2015-18 batch) on 03/09/2016, Saturday. Students visited

1. CibiKallingal Farm at Pattikkad, Thrisur Dt. Kerala
2. POABS Plantation at Nelliampathy, Palakkad Dt. Kerala
3. POABS Tea Processing Factory at Nelliampathy, Palakkad Dt. Kerala

As a part of extension programme of BA Economics Programme, Economics department organized one day Company visit for III DC Economics students (2014-17 batch) on 07/09/2016. This visit was linked to a core paper of V semester BA Economics programme "Economics of Financial Market" and to link the theory they study in class rooms with the field where the theories are applied. Students visited "Geojit BNP Paribas Financial Services Limited" at Paddivattam in Kochi.

Students were introduced to various departments in the company and interacted with Mr. George - customer care manager, Mr. Jeevan Kumar K C - Head - Investment advisory services, General Manager - Financial planning and sales, Geojit BNP Paribas Financial services ltd, Mr. Manoj- Finance manager, Ms. Jaya , Manager HRD.

Department organized a financial literacy programme for II DC and III DC economics students involving 12 hours, in the month of September 2016. The financial literacy program was given by a group of experts from "Finmark" - an agency involved in Financial Market Education.

Economics Alumni Association Activities

• A meeting of Economics Alumni Association was held on 16/01/2016 at 2 pm in the Economics Department PG library in connection with Heartifest 2016. The meeting elected Mrs. Sindhu as the secretary of association till next generalbody meeting scheduled on 2nd October 2016.

• Economics Alumni Association Meet was held on October 2, 2016 at 2 PM in Marian Hall. Association presented a memento to the top scorer in BA Economics Examination (2016), Ms. Anitta Grace top scorer in MA Economics Examination 2016, and also to Prof. Ancy who was awarded Ph.D. in Economics in 2016.

Invited Talks/Lectures/ Seminars

21-03-2016 - Invited Talk

Union Budge 2016-7

"An Economic Analysis of Union Budget 2016-17 and Indian Economic Scenario".

Dr. V. K Vijayakumar - Investment Strategist, Geojit BNP Paribas, & former head of Economics Department, Sree Krishna College, Guruvayur delivered the lecture.

23-08-2016 : Talk

"Economics of Wellbeing"

Debra Efroymsen, Co-founder, Institute of Wellbeing, Bangladesh.

07-12-2016 : Talk

Data Analysis

Dr. Susmita Chatterjee and Mr. Arindam Datta Anaken School of Analytics, Kolkata

26-09-2016 : International Conference - in association with CPPR

"The U.S Presidential Election 2016"



1. Prof. G Gopa Kumar- Vice Chancellor, Central University of Kerala, Kasaragod,
2. Raymund E Vickery Jr, Former U.S Secretary of Commerce, Trade Development,
3. Mr. T P Sreenivasan, former Ambassador of India.

07-02-2017: Invited Lecture, Fr. Zachrias Payikat endowment lecture.

"Impact of Demonetization on Economic Growth with Special Reference to Kerala"

Prof (Dr) D. Narayana, Director, Gulati Institute of Public Finance and Taxation, Thiruvananthapuram

Dept. of English

This year's tasks were cut out at the end of the last academic year itself. The first task was to infuse more rigour into the teaching-learning process. Accordingly, a number of structural changes were introduced to systematize the teaching-learning-evaluation process.

Academic Programmes

The department offers an undergraduate programme, BA English with Copy Editing as a vocational component of it, with a strength of 24 students; a postgraduate programme, MA English Language and Literature. Besides these, the department offers a certificate course in Business Communication for international students and Training for Business English Certificate (BEC) offered by the Cambridge University.

Academic Results/Achievements:

The performance of the students in examinations this year was a mixed one. The postgraduates made a sterling performance with a 100% pass with four A grades and seven B grades. The performance of the BA students was rather dismal with a mere 56% completing the programme successfully with 1 A+, two A grades. Bhanusree S. Kumar figures among the university rank holders. The students of the department won a bagful of prizes and awards in the literary competitions organized by various colleges. The cash prizes alone amounted to over Rs. 1 lakh

International Programme

This year also the department offered the

Certificate Course in Business English. Three students from Japan registered for the programme and all the three of them completed the programme successfully. The classes were conducted with the help of student tutors under the mentorship of Sri. Bijo N. Mathew.

ASAP Training Programme

After a gap of a year, this year the department undertook the task of training graduates in English Communication Skills through the ASAP training camp. Two parallel batches were trained in which as many as 55 students participated. This year's institutional ranking is yet to be announced. We are hopeful of being on top as in the past.

Academic Seminars /Workshops/Invited Lectures:

1. Dan Memorial National Seminar

This year's Dan Memorial National seminar was held in the month of November. Dr Udaykumar Associate Professor in English, JNU, Sri. Sankar Venkiteswaran, creative director of the theatre of roots and wings, Dr. M.V. Narayanan, Associate Professor, University of Calicut, were the resource persons for this year's national Seminar. As many as 30 papers were presented in the seminar in parallel sessions. The highlight of the event was the solo performance of "ThodaDhyan Se" by MallikaTaneja from Delhi.

2. Workshop on Research Paper Writing

A 2-day research paper writing workshop was organized by the department as a part of the faculty training programme of the department. The workshop was led by Dr. Sathyaraj Venkatesan, Assistant Professor, National Institute of Technology, Trichy. Eighteen select participants attended the workshop.

3. Dr. Cheruveli Endowment Lecture

This year's Dr. Cheruveli Endowment lecture was held on 23rd January 2017 on the theme, "Spectres of Derrida" commemorating 50 years of Deconstruction. The lecture was delivered by Sri. Josy Joseph, Associate Professor, Dept. of English, SB College.

4. Rev. Fr. Koyikara Endowment Lecture

This year's Rev. Fr. Koyikara Endowment Media

seminar was organized by the department on 1st February 2017. Sri Vinod Mathew, Resident Editor of the New Indian Express made the keynote address. That was followed by an interaction session with the Copy Editor students.

Invited Lectures

In addition to the above, this year the department organized a series of invited lectures. The following were the lectures:

1. Dr. C S Jayaram
Art and Literature - July, 2016
2. Dr. P P Ravindran
Structuralism and after - August, 2016
3. Dr. R Indulal
Literature of Resistance - September, 2016
4. Mr. Paul Trigg
Tete-a-tete - February 2017

Curriculum Revision:

The revised curriculum for the PG classes was introduced this year. The highlight of the curriculum is the basket of choices (as many as 9) offered under the electives in semester four. Another aspect is the emphasis given to regional and national literature by introducing the course "Malayalam Literature in Translation" and "Comparative Indian English Literature".

Alumni Gathering:

A Gathering of the Alumni and the former and present teachers and students NOSTOS"17 was held on 4th February 2017. The meeting was attended by a large number of alumni of the department and nearly a large majority of the retired teachers. The gathering felicitated Fr. George Koyikara on his golden Jubilee year of his religious profession. The meeting also honoured former faculty members, Prof. MP Jose and Prof. KV Sebastian.

Dept. of Commerce

Few highlights of outstanding performances by students of B.Com include securing 44 'A+' in the B.com degree University examination held on March 2016, first rank in the MG University Examination by PRERANA PRADEEP B.com taxation (Aided) and first six positions in the University.8 Students from our department qualified for the JRF/NET.20 national papers were

produced and presented by the students of final year M.com around colleges in Kerala.

Faculty members actively participated in Refresher courses and Orientation Program conducted by various Universities in India.

- i. Dr Joseph George: Pune University
- ii. Dr.Remya Ramachandran: Jawarharlal Nehru University, Delhi
- iii. Dr. Sajoy P.B: Calicut University , Mysore University
- iv. Sanu Varghese: University of Kerala.

Suresh T S (M.Phil Batch 2016-17) presented a research paper titled "Weak form Efficiency of Indian Stock Market - An analysis with sub-periods" at IIM Ahmedabad as a part of Indian Finance Conference 2016 held on 18th – 21st December 2016. Dr. Sajoy P.B. and Dr. Radhika P.C were awarded the Doctoral Degree by MG University, Kottayam, for successful completion of their thesis. Dr Joseph George, Assistant Professor published a book on Business Management as per the revised autonomous syllabus for B.Com second year students (3rd semester).Dr Joseph George was also a resource person for the two day National Seminar on the topic, "Enterprise Innovation and Dynamic Business Trends" organised by Department of Commerce in Christ college, Pune.

The college provides an arena every year for various competitions that develop the students holistically and they have exhibited excellent performances in these competitions. Sherin Stany bagged first prize for "Speak 4 Kerala" competition hosted by Federal Bank. Dr. Vinod C has been appointed as a new faculty member in the FDP vacancy of Ms. Tessa Mary Jose and Mr.Akhil Sebastian has been appointed as a guest faculty.First M.Phil Batch (2015-2016) of the Department of Commerce has successfully completed the course.

Winners of different competitions at Inter-Collegiate level in colleges around Kerala:

1. SB College, Changanacherry
Ever Rolling Trophy
2. Rajadhani Business School, Trivandrum
Marketing Game
Philipson Antony, Sajith S Babu, Ram Shanker MV, Febin Joy
Third Prize

3. Baseliious College, Kottayam
Treasure Hunt
Amala Maria Jose, AlidaAntony, Jeena K Benny, Meenu Tressa Jose, Riya Mariam Joseph
First Prize
4. Bharath Matha College, Thrikkakkara
National Paper Presentation competition
Neethu Maria Jose, Rose Mary Blessen, Dhanalakshmi P.D, Neelima Tomson, Bhavyalakshmi
5. St.Thomas College, Pala
She Entrepreneur Competition
Saniya Mary Dsilva, Tittu Elizabeth Biju, Neethu Maria Jose, Rejitha Treesa Jose
7. UC College, Aluva
Elocution
SherinStany
First Prize
8. RajagiriCollege, Kakkanad
Seminar Presentation.
Mizpha Sara Sunny, Roni Joseph Jose, Roshan Santhosh
Third Prize
9. Mahatma college of management and technology
National level inter collegiate quiz
Ajin Babu
Second Prize
10. LIC Ernakulam South Zone
General quiz
Ajin Babu
Third Prize
11. Traffic police department
Traffic and road safety awareness quiz
Ajin Babu
Third Prize
12. Marian College, Kuttikanam
Treasure Hunt
Sherin Stany, Midhu Maria Joseph, Neenu George, Rehnallias
Second Prize
13. SB College, Changanacherry
Stock Game
Midhu Maria Joseph, Neenu George, Rehna Illias, Jilt Joseph
First Prize
14. SB College, Changanacherry
Stock Game
AKhil Raju, Arun Antony, Feby Ann Thomas, Ashwin Francis
Third Prize
15. Rajadhani Business School, Trivandrum
Marketing Game
Jerin Saju, Nevil Menachery, Adithya Menon
First Prize

Dept. of Aquaculture

Conferences/symposia/meeting attended by the Faculty

Organizer / Title / Venue

Govt. College for Women, Kerala University Trivandrum

International Seminar on “Environmental stress and Aquatic Animal Health.” (ESAAH-2016).

Invited speaker

Govt. College for Women, Trivandrum 24.2.2016

.....

Asian-Pacific Chapter, Indonesia and WAS Chapter, Indonesia.

The ASIAN-PACIFIC AQUACULTURE 2016 - "Profitability, Sustainability, and responsibility for the Future"

Presented paper.

Surabaya, Indonesia during 25-29, April 2016.

.....

National Fisheries Development Board (NFDB), Hyderabad.

National Orientation workshop for the Fisheries Subject Matter Specialists (SMS).

Invited speaker 16-17 June 2016

National Fisheries Development Board(NFDB), Hyderabad.

.....

National Fisheries Development Board, Hyderabad, AP.

Write shop for the preparation of Best Management Practices (BMP) for Fresh Water ornamental Fish Production.

Invited faculty

25-27 July 2016 at NFDB, Hyderabad

.....

Fisheries College & Research Institute, Tootthukudy, Tamilnadu and Sree Ayyappa College, Nagercoil, Tamilnadu.

International symposium on “Aquaculture and Fisheries” as part of the International Conference on Environmental Sustainability for food Security. (ENFOS2016).

Invited speaker

Fisheries College, & Research Institute, Tootthukudy, Tamilnadu and Sree Ayyappa College, Nagercoil, Tamilnadu. 23Septemnber 2016.

.....

National Institute of Rural Development (NIRD), Hyderabad

Invited talk on “Ornamental Fish culture technologies for rural upliftment with special focus on Rural Women.

Invited speaker

NIRD, Hyderabad 8-7-2016

.....

National Fisheries Development Board, Hyderabad, AP.

National workshop on the “Skill Development programme” curriculum preparation. Invited faculty.

4-6 August 2016. NFDB, Hyderabad.

.....

Directorate of Collegiate Education & Govt. College for Women, Trivandrum

National seminar cum workshop on “Present status of Captive breeding technologies of freshwater Ichthyofauna. “BREED2016”

Keynote speaker- 21-22 December 2016

Directorate of Collegiate Education & Dept. of Zoology, Govt. College for Women, Thiruvananthapuram.

.....

Extension activities

Consultancy offered & Income generated in Rs.

Training conducted in collaboration with



Marine Products Export Development Authority (MPEDA), Cochin institutional charges for Two batches of training

i) 15th-18th November 2016 with 30 participants

ii) 19th 22nd July 2016 with 30 participants.

Rs. 23200/- Rupees Twenty three thousand and two hundred only including facilities

.....

iii) 1-4th February 2017 with 30 participants

Rs. 8000/-

.....

Student activities

Students were encouraged to “Earn while You Learn”. They were helped to breed ornamental fishes in the hatchery and sale the products and aquarium tanks. 50% of the revenue is given to the students.

Conducted alumni meeting of the first batch of students of the department of Aquaculture.

Lecture/Talk by eminent scientist on current topics of importance is conducted to create awareness and improve their knowledge.

- 1. Dr. Leela Edwin, Principal Scientist, CIFT, Cochin talked about “Green Fishing” on 8.6.2016
- 2. Dr. Sunil Mohammed, Principal Scientist, CMFRI, Cochin delivered lecture on “Indian Marine Molluscan resources-Exploitation and conservation challenges” dated 28.7.2016.
- 3. Dr. Gulati D.K., Director, Fishery Survey of India gave a talk on the topic “Exploratory fishing investigations along the south west coast of India” on 23rd Aug. 2016.

Dept. of Physics

Activities

The Physics association activities for the current academic year was inaugurated by Prof. S. Sankararaman, Department of Optoelectronics, University of Kerala on 08.08.2017. Thereafter the chief guest gave a talk on‘Fostering Scientific Temper’.

A Day with Waghmare program was inaugurated by Rev. Dr. Johnson X Palackappillil, principal of S H College. Prof. Y R Waghmare (Retd.,

IIT Kanpur) who has authored several popular text books on Quantum Physics, has delivered two lectures (first lecture was titled Einstein Vs Bohr via Heisenberg and the second one was titled Quantum Theory and Consciousness) at Melesius Hall, Sacred Heart College,Thevara on 29.08.2016. Teachers and students from various colleges, doctors and free lancers attended the event.

Prof. N Shaji of Deptmt of Physics, Maharajas College, Ernakulam gave a lecture on the Nobel prize in Physics 2016 on 08.12.2016.

As part of observing the national energy conservation day and in connection with the Urjakiran programme (A state government initiative), the Physics Association of Sacred Heart College, Thevara held an Energy Conservation Rally on December 14th to spread awareness on the importance and need for energy conservation. It was flagged off at 8 am by Ms. SunilaSibi (Councillor, Maradu Municipality) at Kundannoor junction and concluded at the college portico.

Achievements

Dr. Georgekutty Joseph HOD visited Australia and New Zealand in connection with a paper presentation at 36th AUSTRALIAN POLYMER CONFERENCE. He also has visited Auckland University of Technology and University of Auckland in connection with fostering our international relations / student exchange programmes.

Dr. Sumod S.G. won the young scientists award instituted by International Union for Radio Science (URSI) and presented a paper at Asia Pacific Radio Science Conference held at Seoul, Korea. His research proposal bagged him an opportunity to visit Nagoya University through prestigious SCOSTEP Visiting Scientist program



in Japan to discuss and initiate a new research activity.

Currently research is ongoing in collaboration with Indian Space Research Organisation (ISRO), Trivandrum and Indian Institute of Geomagnetism (IIG), Mumbai.

The department set up Space Science Division lab which is an infrastructure development in the department.

Dr. Roby Cherian gave an invited talk at St Xaviers College, Aluva, as part of Science day celebration. Dr. Mathew George was a resource person for Urjakiran activities and served as Quiz master at various colleges. Dr. Jimmy Sebastian gave invited talks and served as Quiz master at nearby colleges. Dr. Sumod S.G. gave talks in various nearby schools.

Department of Oriental Languages

The department consists of Sanskrit, Malayalam, Hindi and French. We have 700 Students at present. The Dept. of Malayalam started a new literary forum "AKSHARAM", to improve the writing and communication skills of the students. The well-known Malayalam poet Murukan Kattakada shared his visions, poetic experiences and perspectives of contemporary Malayalam literature with students. A documentary was prepared on it. The Dept. of Malayalam, S B College, Changanacherry conducted various cultural activities in association with 'Kerala Piravi' and Students of Malayalam Dept. got various prizes. 'A LETTER TO SANTA' a Letter Writing competition was conducted by Dept. of Oriental languages as a part of X mas celebrations. The Dept. of Sanskrit is planning to conduct an invited lecture on 'ANCIENT INDIAN LITERATURE' on 17 February 2017.

SH Communication Dept.

Students of BA Animation and Graphic design 2015 batch were given a clay modelling and Baking workshop. This was an intensive two-week workshop under the guidance of Field artists.

Popular animator Suresh Eriyat releases the first copy of IMPRINT, the newsletter by MCJ 2015-17 batch. IMPRINT is the first newsletter edited by 2015 batch MCJ students. Animation Workshop 'COCOON-2016', guided by Mr. Suresh Eriyat and Mrs. Neelima Eriyat, Profound

Animator and National Award Winner 2016 [Animation], was conducted on July 14th and 15th. The Workshop deliberations was to provide an insight to the aspirants regarding the art of Concept development and Story boarding. As part of the MA orientation programme, on August 10th 2016, our PG students of Animation and Graphics along with final year BA students, had an interactive session with Ms. Vinnie Ann Bose, who is a graduate of NID and an upcoming professional in Animation Industry. SH College Jesus Youth conducted a poster design competition and Nilhkil (MAGD 16) bagged first prize, Malavika Mahesh (BAAGD 16) got second and Harikrishnan KS (BAAGD 16) got third prize.

Report of activities of International Office



The international office of the college had a busy schedule during this academic year with several rounds of discussions with various foreign universities and colleges. The office held discussions with the delegates from Toulouse University, France; Frazer Valley University, Canada; Concordia College, USA and Curtin University, Australia. The College is gearing up to sign an MOU with Toulouse University, France and is also holding discussions with Juniata College, Huntingdon, to have a new collaboration with the Computer Science and Communication Departments of the college, besides the already existing one. The international office has been able to secure two scholarships for the students from the American Embassy through their Global UGRAD programme during this academic year. Mr Joe and Ms Rajasree of the Economics Department will spend 6 months and 6 weeks respectively in US as part of this cultural exchange

programme. The office also has been able to send three students: Ms Neethu Xavier of II DC Economics, Ms Ann Teres Babu of II DC Chemistry and Ms Sreedevi M S of Zoology to Juniata College, Huntingdon, Pennsylvania, to study and to do project work there for one month. Dr. Johnson K.M. of English dept. accompanied the students. This year the office also will coordinate the visit of Dr. Uma Ramakrishnan, a Fulbright scholar from Juniata College to carry out her research and teaching in the Zoology department of the college. The office also expects to sign more MOUs with other foreign universities and colleges in the coming academic year.

Coordinator Dr. Georgekutty Joseph visited University of Auckland and Auckland university of Technology in connection with fostering our international relations / student exchange programmes.



NCC AIR WING

The activities of NCC Air Wing started in the month of July – 2016 with the enrolment of 19 first year students. 12 cadets of our college participated in the summer Combined Annual Training Camp (CATC) held at Poothotta, Tripunithura. Under Officer (UO) Aiswarya P. T took part in the Advance Leadership Camp (ALC) held at Kharagpur, West Bengal in the month of November. CPL AnkithSreeni attended the Air Force Attachment Camp held at Hyderabad. A total of 6 cadets attended various National Integration Camp (NIC) held at Calicut, Punjab and Orissa. 15 cadets of our college participated in the Combined Annual Training Camp (CATC) held at Carmel Public School, Chalakkudy in the month of Christmas. L/CPL James Tom and CPL Kurian Jacob participated in the National Integration Camp (NIC) conducted by NER Directorate at NIT Silchar, Assam from 9th December, 2016 to 20th December, 2016. A total of 6 cadets participated in the Vayu Sainik camp held at Trivandrum in the month of December. CDT. Prasoon Das and CDT. Priyanka Subash attended IGC held at Kerala Police Academy, Thrissur. They also participated in the prestigious 2017 Republic Day (RD) parade held at New Delhi and Prime Minister's rally at New Delhi held on 28th January, 2017. Cdt. Priyanka Subash was selected as the Best Cadet from Kerala & Lakshadweep Directorate and she was the flag bearer of the Kerala Contingent.

NCC Naval Wing

NCC Naval wing began its activities in the 2nd week of July, enrolling 34 cadets under the guidance of Lt. Cdr. Dr. Siby Mathew. We inculcate a sense of discipline and leadership among cadets. Besides training cadets in naval service subjects, we give emphasis on personality development by conducting group discussions, quiz, snap talks & cultural

programs and some adventure activities.

Many of our cadets participated in various camps, which gave them an opportunity to get special training in boat work, ship modelling, communication, boat pulling and sailing. Training helps them to develop character, comradeship and to adapt themselves in any spheres of life. We have 25 SDs and 25 SWs in our subunit.

1. Name of Officer- Lt. Cdr. Dr. Siby Mathew.
2. Cadet Captain - Riya Tomy
Ms. Riya Tomy attended an Advanced Leadership Camp held at West Bengal.
3. PO Cadet JUGAL VIPUL VED -On 26 January 2017 Cadet JUGAL VIPUL VED was a part of Republic Day Parade at Delhi, representing NCC Naval wing from Kerala and Lakshadweep Directorate. He participated in PM rally and won second Best cadet award for the ceremony. He also participated in the All Kerala RD Inter-group Competitions held at Trissur.
4. Cadet Krishnadas N. S. attended Pre NSC held at Kollam.
5. Eight cadets Sreejith KS, Krishnadas NS, Jugal Vipul Ved, Sneha Paul, Ashly John, Sreepriya, Karishma Gupta, Archana Jayaraj attended All Kerala NSC IGC held at Kollam.
6. Cadet Sreejith had participated in the National Trekking camp in November 2016, held at Maharashtra.
7. Cadet Archana Jayaraj attended NIC Silchar, Assam in December 2016.
8. Cadet KrishnaDasand POC Ajay Bahraini attended NIC Kozhikode in December 2016.
9. Five Cadets POC Deena T David, Leading CdtAlphy Mathew, Leading Cadet Anjali Jobai, CdtSreepriya, CdtKarishmaGupta attended ATC Lakshadweep in January 2017.
10. Cadets Sreejith, Sreepriya, Archana, CdtBinoy, Cdt. Captain Riya Tomy, POC Dinu

T. David attended Sailing Expedition conducted by 7(K) Naval NCC in January 2017.

11. Twenty Five Cadets attended Annual Training Camp at Neeleshwaram. They won individual and group prizes in various sports and cultural competitions.
12. On 5th October our Cadets had an opportunity to visit INS Viraat.
13. On 25th November 2016 a marathon "RUN FOR FUN" was organized from Willington Island to Naval Base, and our cadets had actively participated in it.
14. Eight cadets had served as volunteers on 12/11/2016 for a program held by All Kerala Blind Association at Maharajas College Ernakulam.
15. On 24th November, a blood donation Program was conducted at Kochi, and all the cadets who were capable took part in it.
16. Five first year cadets went for Sea sorting on 16 January 2017, INS Sunayna. Cadets were a part of Second marathon that was held on 23rd January 2017.
17. Cadets showcased great spirit by participating in various campaigns and Shuchitya Bodhana Yegnam Pathayathra conducted at Sacred heart College Thevara along with Bhoomithrasena club .
18. Paradigm program
NCC Naval Wing of Sacred Heart College, Thevara and 7(K) Naval wing NCC Ernakulam have jointly organized a programme PARADIGM on 2nd October 2016 at 10.30 AM. This year, the programme was inaugurated by Kochi corporation councilor Elizabeth Teacher. Fr. Prasant Palackappillil CMI, Principal, SH College, Thevara presided over the meeting. Associate NCC Officer Lt. Cdr. Dr. Siby Mathew, Mr. Kumaradas representing the staff and all others at old

age home gave full support for the efficient and regular conduct of the programme. During the programme there was lot of sharing between the cadets and inmates. Entertainment programmes by both inmates and cadets were really refreshing. Donations sponsored by 7 (K) Naval NCC Ernakulam, Ex. NCC cadets and that collected from NCC cadets were also distributed during the function. All NCC cadets participated in the programme. Cadets will be made available during the year for cleaning the area and will extend their help in digging waste pits, cleaning the area etc.

19. As a part of Swach Bharat Abhiyan along with Army & Air force wing NCC Cadets conducted a cleaning programme in and around the college.
20. As a part of 'creating career opportunities' NCC cadets along with the cooperation of Coast Guard conducted a career orientation camp and gave an idea about the career opportunities in Indian Coast Guard service.
21. NCC cadets took anti-corruption pledge and a group discussion was also conducted on impact of corruption in India.

On behalf of the cadets of our Subunit, ILt. Cdr. Dr. Siby Mathew extend my profound gratitude to our principal, commanding officer and all others at 7(K) Naval NCC Unit for their whole hearted co-operation, support and guidance.

NCC ARMY WING

The NCC Army Wing activities for the training year 2016-17 was started with a new zeal with its inauguration made by our Principal, Rev. Dr. Prasant Palackappillil CMI on 15th August 2016. Principal hoisted the national flag which marked the prelude of this year's activities. The pipping ceremony was conducted by giving appointments for the training year 2016-17.

CQMS Thejus Jo Puthussery of 3rd B.Sc Mathematics was appointed as the Company Under Officer. CPL Naveen Nandan of 3rd B.Sc Physics and SGT. Anjana Menon of 3rd B A Economics were promoted as Company Under Officer's.

NCC Army Wing cadets actively took part in almost all events of the college.

1. This year we had 57 cadets enrolled in our wing adding to the total of 108 cadets. We were able to conduct 15½ parades this year.
2. On 5th June 2016, as part of the Environment Day our cadets planted tree saplings in our college ground.
3. On 21st June in connection with International Day of Yoga cadets took part in Yoga meditation programme conducted in our college under the guidance of Mrs.ChethanaAjithkumar, Yoga Trainer.
4. As part of Gandhi Jayanthi, on 1st October 2016 our cadets visited The Home for Destitute at perumanur, Thevara.
5. Firing was conducted in our college at the Firing Range under the supervision of Commanding Officer Col.Gopi Kumar a former cadet of NCC Army Wing.
6. In connection with Vigilance Awareness week DMRC Kochi conducted an essay writing competition and many of our cadets won cash prizes.
7. NCC Army Wing observed 7th December 2016 as Armed Force Flag Day. We have collected contribution from the staff and students of the college for the Defense Welfare.
8. Our cadets took part in the cleaning programme at Shanti Nagar, Thevara as part of the "HARITHA KERALAM" a State Government initiative.
9. Cadets took part in the cleaning awareness programme "SUCHITWA BODHANA YAGNAM" with full vigour and strength. Cycle rally was also conducted as a part of it.
10. NCC cadets volunteered for the HEARTIFEST 2017 which received huge appreciation. Cultural programme which was performed by our cadets with the theme of National Integration was such an incredible one.

CAMPS:

It is amatter of pride and satisfaction that boys and girls of our company showed their caliber by competing with others in various camps.

1. SGT. Anjana Menon of 3rd B A Economics has attended National Integration Camp at Guptakashi, Uttarakhand.
2. CQMS John Ponnann Joseph of 2nd B. Sc



Zoology has also attended NIC at Calicut.

3. K.SGT Vinod Joseph of 3rd B. Sc C A attended NIC at Warangal, Telengana.
4. CPL Renjith S. P of B. Sc Chemistry attended a Rock Climbing Training camp at Kampoo, Gwalior in Madhya Pradesh.
5. 38 cadets of our wing attended Combined Annual Training Camp at GPTC Kalamassery, from 23rd December 2016 to 01st January 2017 and achieved commendations and medals.
6. 8 cadets of our wing attended the Army Attachment Camp at military Base, Pangode in Thiruvananthapuram under the Bihar Regiment.
7. Another significant achievement of this year was that 2 cadets L/CplSuvidith K of 2nd B. Sc Mathematics and L/Cpl P.C Gayathri Sasikumar of 2nd B. Sc Zoology has attended the prestigious Republic Camp at Delhi.

This year 19 cadets are writing C-Certificate Exam and 28 cadets are being prepared for the B Certificate Exam.

Promotion of our Associate NCC Officer Maj. T. O Alphons Ligor to the highest rank brought another glory to our company.

NSS

Sacred Heart College, Thevara has two units of dynamic and vibrant National Service Scheme. A total of 120 volunteers joined the two units in this academic year 2016-17. Combining first year and second year volunteers NSS unit has a total strength of 240. The NSS unit undertakes various community related activities like social awareness campaign, charity activities etc. The activities of NSS are co-ordinated by Program Officers Dr. Ignatious Abraham (Dept. of Chemistry) & Dr. Remya Ramachandran (Dept. of Commerce) and volunteer secretaries Mr. Anil Surya and Ms. Crisma Rose Babu.

The N.S.S. unit celebrated World Environment Day on 5 June with great adores. Week long activities were conducted to spread awareness about the importance of the healthy and green environment in our society. All the students took oath for protection and preservation of the world, debates and poster exhibitions were conducted during the week. The students actively participated in all the programs and the N.S.S. volunteers did well in co-coordinating and making this year Environment Day

Celebration meaningful. As a part of the World Environment Day the N.S.S unit has planted a "Banyan Tree" in the college lake view ground. Fr. PrasanthPalakapalli CMI, the principal of our institution planted the sapling in the presence of staff members and the N.S.S volunteers.

On 7 June, NSS unit joined hands with SNOW, the alumni organization of Sacred Heart NSS Volunteers for Social Welfare, in reaching out to community by providing note books to children of St. Joseph U.P School, Kadavanthara.

The N.S.S. unit of Sacred Heart College on 8 June, joined together for a new venture to remove plastic wastes from Vembandu Lake as a part of World Ocean Day celebration. As the theme for this year "Healthy Oceans, Healthy Planet" suggests we are planning to make our oceans healthy by preventing plastic waste from reaching the ocean.

On 19th June- P.N. Panikkar Memorial Day was celebrated with great enthusiasm. The NSS unit in collaboration with Fr. Sales Library organized an exhibition of fifty books which are more than half a century old. The exhibition was formally inaugurated by the Principal followed

by his inspiring message urging the younger generation to take up the habit of reading. Moreover the NSS unit of SH took up the initiative of collecting old novels, short stories etc. and donating it to the library of backward school.

This year's Yoga Day was observed in the college by the NSS along with the three NCC wings of the College under the guidance of the yoga guru we had a yoga training session early in the morning. In connection with "VaayanaVaaram", NSS unit organized a talk series cum interactive session with Prof. M.K Sanu, renowned writer and critic.

Age friendly is an initiative of Magics NGO in collaboration with Ernakulam District Panchayath and Lakeshore Hospital. Age Friendly is a concept which has three parts Age Friendly one day tour, University of Third Age and Elders Taxi. From the beginning of this new endeavor of Magics group our volunteers have been playing crucial roles in organizing one day tour programs for the aged people. As a result our college was declared as the first Age Friendly Campus in India during the academic year 2015-16. On 29th June 2016, computer classes for elders was inaugurated by our vice Principal Fr Jose John.

SLATE (Student Learning and Training on Environment, 16th July 2016) programme was observed in connection with World Population . The topic for the same was "Population and its effect on Environment". Mrs. Chethana V, research scholar from the Department of Botany presented the topic.

A talk series was conducted in connection with Igniting Young Minds with Living Examples. Mrs. RESHMA LAKHANI IRS, Commissioner, central excise, customs and sales tax, Kochi was the resource person.

A street play was conducted by the volunteers regarding the early life of A.PJ and his rise as the greatest scientist in the world to commemorate his achievements along with his contribution to mother India.

As a part of the ongoing celebration of the International year of Pulses, declared by the United Nations Food and Agriculture Organization, Sacred Heart College Organized a seminar and exhibition of different types of Pulses. Justice. B Kamalpasha inaugurated the seminar and other eminent personalities like poet MurukanKattakada were also present in the program.

In memory of Kavalam Narayana Panickkar, dramatist, theatre director and poet, the NSS

unit managed to screen "Sooryathanam" a play written by Kaavalam. The N.S.S unit took part in the Monsoon Trade Fest conducted by the Department of Commerce annually. Our volunteers managed to put up a food stall selling delicious homely food items, which attracted the buyers. It has helped the volunteers to develop their entrepreneurship skills.

On 15 August 2016 NSS unit organized Independence Day rally from college to Thevara. It was flagged off by Rev Fr. Prashant Palakkapallil CMI. Another aim of the rally was to propagate save periyar campaign. Around 125 volunteers were present in the rally. A street play was also demonstrated at Thevara junction.

Minicamp was conducted during the Onam vacation from 9th September to 11th September. Around 100 volunteers were selected for the camp.

As part of save Periyar Campaign a program was jointly organized by NSS of MG University and Kerala Janapaksham. SH College NSS unit hosted the program. The program intended to hand over the responsibility of protecting Periyar to the young generation. Dr. K.J Yesudas was the chief guest for the program.

SH unit organised an inter-collegiate seminar on "Vivekananda Life and Mission". . Prof. O.M. Mathew, Chairperson, Vivekananda Chair, MG University, inaugurated the seminar.

Around 100 volunteers actively participated in clean Kochi program. As part of HarithaKeralam Project 2016 NSS conducted cleaning programme at Shanthinagar junction near college. As part of Christmas celebration NSS unit organize a programme at Palluruthy Relief Settlement on 17th December 2016.

The NSS unit of SH College Thevara conducted its "Seven Day special camp" during 23rd-29th December 2016 at Govt. Higher Secondary School, Kudayathoor. The main theme of the camp was "GO GREEN, GROW GREEN" along with the slogans of Swatch Bharath, Organic farming, life skilled development programs and awareness on power saving. The objective was to serve the society boundlessly and to be a supporting hand for the common people of village for the development of our village.

As the final program of the academic session of 2016-2017 on March 14th 2017, the NSS volunteers collected the e-wastes from each and every department of college which include monitors, keyboard, microprocessors etc.

Club Activities



Bhoomithrasena Club

Bhoomithrasena Club of Sacred Heart College observed World Environment Day with the financial support of Kerala State Council for Science Technology and Environment (KSCSTE). Prof. Sivanandan Achari (School of Environment Sciences, CUSAT) was the chief guest. Poster, Elocution, Quiz competitions were conducted as part of the programme. The club organized a one-day seminar on "Ozone Depletion and Climate Change" with the financial support of KSCSTE in connection with international ozone day. Dr. T. Shaiju (Scientist, School of Marine Sciences, CUSAT) delivered the key note address. Poster Designing, Elocution and Quiz competitions were conducted as part of the programme. It conducted an anti plastic carry bag campaign at Thevara. About 500 vegetable saplings were distributed at Thevara. The members actively participated in Suchitwa Bodhana Yagnam. The Club observed World wetlands day on 2/2/2017 with the financial

support of KSCSTE. In connection to International Year of Pulses (IYP) 2016, SH College, Thevara, in collaboration with Kerala State Council for Science, Technology and Environment (KSCSTE), organized different programmes on 09th and 10th December 2016. The college organized a seminar and different intercollegiate competitions in connection with international year of pulses. The one day seminar entitled 'Innovations in Organic Farming: Prospects and Challenges' was inaugurated by Dr. Philigi T. Kanattu (Agricultural Officer and organic farm consultant, Ernakulam) on 9th December 2016 at 10.00 am in the Marian Hall of Sacred Heart College. Dr. Prasant Palackappillil CMI (Principal, Sacred Heart College) presided over the function. Dr. Joseph John (HOD, Chemistry), Prof. Midhun Dominic (Programme Co-ordinator), Dr. GibiKuriakose (Nature Club Coordinator), Dr. T.J. James (Professor, S.H College) were present in the function. Dr. Joseph John Welcomed the gathering. In his Presidential address Fr. Prasant

mentioned the relevance of the focal theme in the present scenario. He also pointed out the need of protecting our nature by green ways. The concept of sustainable development was very much explained. Dr. Philipgi T. Kanattu inaugurated the seminar and delivered the key note address. The session was magnificent and very informative. Concepts like aquaponics, cage farming etc were well elaborated. He also spoke about the significance of using biofertilizers instead of chemical fertilizers in farming. He has pointed out the value and utilization of pulses throughout the food system, their benefits for soil fertility and climate change. The next technical session was started at 2.00 pm. Prof. T.J. James was the speaker. The topic of his presentation was 'nutritional values of pulses'. He created awareness about the important role of pulses in sustainable food production and healthy diets. He also pointed out the need of fostering enhanced research, better utilize crop rotations and address the challenges in the trade of pulses. He has planted a sapling of 'Money Tree' in the campus. This session was followed by paper presentations from research scholars and students of different colleges. The seminar came to an end at 3.45 pm. About 100 students and research scholars participated in the programme. Different intercollegiate competitions were organized by Boomithrasena club members in connection with ozone day on December 10th 2016. The activities are listed below.

An intercollegiate quiz competition was held on the topic "Different Varieties Of Pulses & its medicinal properties" on 10-12-2016. A total of 8 participants were registered for the quiz competition. The judges were Dr. Tom C. Thomas (Assistant professor of Department of English), Dr. Bijo N. Mathew (Assistant professor, Department of English), Dr. Shijo Varghese (Department of Commerce). Mr. Sinto Sebastian of St. Pauls College, Kalamassery was awarded first, Mr. Krishnadas M. of Sacred Heart College, Thevara was awarded the second prize and Mr. Joman George of Sacred Heart College, Thevara was awarded third prize. A cash prize with a medal and certificate was given to all the winners. An intercollegiate elocution competition was held based on the topic "Role of pulses in sustainable food

production" on 10-12-16. A total of 6 participants were registered for the competition. The judges were Dr. Jibi Kuriakose (Assistant professor, Department of Botany) and Mr. Midhun Dominic C.D. (Assistant professor, Department of Chemistry). Ms. Reshma of Sacred Heart college, Thevara was awarded with the first prize, Ms. Mariya of Sacred Heart College was awarded the second prize and Mr. Jervise of Sacred Heart college was awarded with the third prize. Cash prize with a medal and certificate was given to all the winners. An intercollegiate debate competition was held based on the topic "Are we self sufficient for sustainable food security" on 10-12-16. A total of 6 participants were registered for the competition. The judges were Dr. Jibi Kuriakose (Assistant professor, Department of Botany) and Mr. Midhun Dominic C.D. (Assistant professor, Department of Chemistry). Mr. Andrew and Mr. Amal of Sacred Heart College, Thevara was awarded with the first prize, Ms. Arya and Mr. Adarsh of Sacred Heart College was awarded the second prize and Mr. Adithyaraj and Mr. Harikrishna of Sacred Heart College was awarded with the third prize. Cash prize with a medal and certificate was given to all the winners. Boomithrasena club members planted different saplings especially medicinal plants and pea plants on the premises of Sacred Heart College, Thevara. Students of Chemistry and Botany actively participated in the campus cleaning programme. The plastic wastes were collected and recycled. They have cleaned the Vempanadu Lake.

About 500 vegetable saplings were distributed in the nearby houses of SH College, Thevara. A grow bag making class was also organized as part of international year of pulses. Dr. Philipgi T. Kanattu (Organic farm consultant and Manorama 'Adukalathottam' fame) lead the class. An exhibition of different varieties of pulses, commonly seen in Kerala was arranged at the college portico. The exhibition was well organized and very informative.

In relation to Ozone day Observation 2016, SH College Thevara in collaboration with Kerala state Council for Science, Technology and Environment (KSCSTE) has organized different programs on 29th and 30th September 2016. The college has organized a seminar and different intercollegiate competitions in

connection with ozone day. The focal theme for ozone day, 2016 'Ozone and Climate: Restored by a World United' was highlighted for talks and discussions. Different intercollegiate competitions were organized by Boomithrasena club members in connection with ozone day on September 30th 2016. The activities are listed below. An intercollegiate poster competition was held on the topic "Ozone and Our Future" on 30-9-2016. A total of 8 participants were registered for the poster competition. The judges were Dr. Tom C. Thomas (Assistant professor of Department of English), Dr. Bijo N. Mathew (Assistant professor, Department of English), Dr. Shijo Varghese (Department of Commerce). Mr. Sinto Sebastian of St. Pauls College, Kalamassery was judged the best and was awarded first, Mr. Krishnadas M. of Sacred Heart college, Thevara was awarded the second prize and Mr. Joman George of sacred heart college, Thevara was awarded third prize. A cash prize with a medal and certificate was given to all the winners. An intercollegiate competition was held based on the topic "Safety measures to protect our ozone layer" on 30-9-16. A total of 6 participants were registered for the competition. The judges were Dr. Jibi Kuriakose (Assistant professor, Department of Botany) and Mr. Midhun Dominic C.D. (Assistant professor, Department of Chemistry). Ms. Swetha of Sacred Heart College, Thevara was awarded with the first prize, Ms. Neethu of Sacred Heart College was awarded the second prize and Ms. Jasila of Sacred Heart College was awarded with the third prize. Cash prize with a medal and certificate was given to all the winners. An intercollegiate competition was held based on the topic "zero tolerance against CFCs and Global warming" on 30-9-16. A total of 6 participants were registered for the competition. The judges were Dr. Jibi Kuriakose (Assistant professor, Department of Botany) and Mr. Midhun Dominic C.D. (Assistant professor, Department of Chemistry). Ms. Sameeha of Sacred Heart College, Thevara was awarded with the first prize, Ms. Arya of Sacred Heart College was awarded the second prize and Mr. Vipin of Sacred Heart College was awarded with the third prize. Cash prize with a medal and certificate was given to all the winners. An intercollegiate competition was held based on the topic "Ozone and Nature" on 30-9-16. A total of 4 participants were registered for the

competition. The judges were Dr. Jibi Kuriakose (Assistant professor, Department of Botany) and Mr. Midhun Dominic C.D. (Assistant Professor, Department of Chemistry). Ms. Jasila of Sacred Heart College, Thevara was awarded with the first prize, Ms. Anagha of Sacred Heart College was awarded the second prize and Mr. Tarun of Sacred Heart college was awarded with the third prize. Cash prize with a medal and certificate was given to all the winners. With the support of NCC, Boomithrasena club members planted different saplings especially medicinal plants on the premises of Sacred Heart College, Thevara. Students of Chemistry and Botany were actively participated in the campus cleaning programme. The plastic wastes were collected and recycled. They have cleaned the Vempanadu Lake and that was a good initiative. In connection with World ozone Day, Department of Botany has initiated a plant survey in the campus. Dr. Ebin and Dr. Jibi were the supervising guides. About 50 students were actively participated in the plant survey. Boomithrasena club members were performed a skit "Boomikkoru Kuda Namukkoru Thanal"



in the college portico to enlighten the young minds. The skit mainly focussed on the relevance of protecting our nature for the generation to come. About 12 students were participated in the skit.

Drama- Theatre Club

The prominent achievements of the club include winning in Drama and Mime at JT PAC and SB College Changanacherry. The club conducted a workshop of 14 days in collaboration with Stage India and produced Henrik Ibsen's A Doll's House.

Entrepreneurship Development Club

The club organized monsoon fest and Payasamela. It started Heartian Harvest, a Monday market, for organic products from students and teachers. It also conducted an entrepreneurship awareness camp by KITCO.



Jesus Youth

Jesus Youth is an International Movement inviting youth to follow a lifestyle based on the life of Jesus Christ. Sacred Heart College has got a very active cell of Jesus Youth, involving in different activities in and around the campus.

JY in the college had a very fruitful academic year through 2016-17. The movement could broaden its horizon with a lot of innovative social and campus involvements.

A. Campus Activities

1. Harvest 2016: JY commenced its activities of the academic year in the campus 2nd July, with a one day camp 'HARVEST 2016', attended by 150 students including participants and volunteers .
2. Prayer Meetings: Prayer meeting are held on every Monday in the monastery chapel attended by an average number of 40 students
3. Confession and Adoration: In preparation for first Friday, every first Thursday, JY organizes adoration and confession in the monastery chapel
4. First Friday Mass: JY gives leadership for arranging mass on every first Friday which is dedicated to Sacred Heart of Jesus, the patron of the College.
5. Rosary Month Celebration: During October which is dedicated to mother Mary, team JY joined together for ten days in the monastery chapel and prayed rosary together.
6. 'Clean Campus, Green Campus': This is a program initiated by JY to make sure that the campus is kept clean. Every Monday after the class, the JY volunteers join together and clean the premises of the campus
7. Honesty Shop: An Honesty shop was inaugurated in the campus and functions well in the campus for the last seven months. This is meant to cultivate a practice of honesty among students where without a shop keeper checking them, they can put money in a box and purchase basic things like note book, pen, graph paper etc.
8. Soultice 2017: Three days camp for the students titled 'SOULTICE 2017' was conducted in the college auditorium on 27th to 29th January 2017. Hundred students participated in the camp and revived their lives spiritually.



9. Mother Theresa Drawing Competition: A drawing competition was held in the campus in relation with the canonization of mother Theresa, in which 35 students were participants. Cash awards were distributed to the winners.
10. Inter Collegiate Christmas Carol Competition: An inter collegiate Christmas Carol competition was held in the campus on 23rd December 2016.
11. JY Agri-Garden: In relation to international Year of Pulses, in the leadership of JY, varieties of pulses were cultivated in the campus and harvested around 90 kg. of pulses
12. Chavara Pilgrimage: A pilgrimage was organized for the members of JY to visit the tomb of Saint ChavaraKuriakose Elias at Mannanam on 4th February 2017.

B. Social Activities

1. Educare: Through this initiative, the volunteers of JY give daily tuition for 30 high school students and 40 UP school students who are academically weak in the nearby schools from 3.45 to 5.30 pm.
2. Hospital ministry: Every Saturday, from 9a.m. to 4 p.m., 12 students of the college visit the cancer ward and isolation ward of Ernakulam government hospital and do service to the poorest of the poor.
3. Thanal Maram: Every Wednesday, there is a get together for nearly 60 destitutes of Ernakulam city in front of the monastery chapel and the volunteers of JY interact

with them and support them.

4. Dress Collection: On 2nd August 2016, 90 student volunteers went around the nearly 300 families around the campus and collected dress to distribute to the needy.
5. Scrap Collection Program: This initiative was volunteered by 80 students and materials worth 25,000 had been sold for the service of the needy.
6. Colony Visit: JY members visited the colony near Konthuruthy river and interacted with the poor families staying there
7. Lulu Mall Visit: On 24th August, 75 student volunteers accompanied 50 destitutes to Lulu Mall, where they were given a chance to watch a movie and then lunch from a famous restaurant.
8. Jail Visit: In association with Onam, 23 students along with the animator visited Aluva Sub Jail and presented a program for the inmates.
9. Christmas Snehasamgamam: A Christmas get together of 170 poor people of the City was organized in the college basket ball court during which Christmas gifts were also distributed for them.
10. Adopted Family: A poor family, who were sent out of a rented house as they were not able to give rent, was adopted by JY and the students arranged a rented house for them. JY provides rent for them every month and a sum of Rupees 30000 was handed over to the family for the medical care of the diseased Mr. Kiran, the bread winner of the family.
11. Palluruthy Settlement Visit: The team JY visited Palluruthy settlement and



conducted a program and interacted with them.

12. Orphanage visit: JY members often visit an orphanage for differently abled girls in the nearby convent run by SD sisters and conduct programs for them.
13. Wheel Chair for Subrahmanian: In the leadership of JY, a wheel chair costing Rs. 13000 was given to a poor man who lost both his legs in a train accident.

SWASTI (Women's Cell)

The following programme's were conducted for the academic year:

Orientation for first year girls named Genesis A new beginning was lead by Varghese Paul, Trainer for alternate life style, Chalakkudy. A zumba dance session was conducted in the same eve. A series of talk was organised on the Theme, 'Igniting the young minds with a living example' Inaugurated by Mayor and talks were delivered by Ms. Reshma Lekhani and Dr Gita from an NGO- U and Me, which works for women rights. A Leadership student camp was conducted with the objective of enhancing the entrepreneurial skills of students and conscientising them on an alternate life style in line with nature. Women's Cell set up a stall 'uppilittathu' in Ed club fair trade mega mela, an overwhelming demand for the sale items inspired enthusiasm in students. CANCER AWARENESS campaign was organised by active involvement of public. The objective was raising



money for cancer society, along with Zumba Trainers Association' ZUMBA IN PINK'.

Dance Club

The activities of the dance club started with the inaugural function. The club was inaugurated this year by Pranav Sasidharan, the winner of the programme "D 4 Dance" Season 2 organized by the famous Malayalam Channel "Mazhavi Manorama". He staged a live performance for the staff and students of the institution followed by a dance fest by the members of the club. Around ten meetings of the dance club were held in the college this academic year in connection with various events in the college. In the first meeting we congratulated the winners of the Mahatma Gandhi University Youth Festival held in April-May 2016. The winners of the Youth festival were as follows:

1. Amritha B (3rd BSc Zoology) - Mohiniyattom 2nd place
2. Sona Sebastian (I MCom) Second in Ottamthullal and 3rd in Keralanadanam
3. Sruthy Krishna R - Bharathanatyam - Secured A grade
4. Akshay Das V R (I MSc Zoology) - A grade
5. Nikitha (IBCom Tax) - Folk Dance - A grade
6. Anjali P M (III BSc Mathematics) - Kathakali - A Grade

The Oppana team won third place for youth festival, the dancers include Radhika R of III BCom Tax, Aswathy of II BSc Chemistry, Revathy Sivakumar of III BA English, Meera Prakash of III BCom CA, Amritha S of III Bcom Tax, Aneeta Regiana of I BSc Chemistry, Shilpa KR of II BSc Zoology, Merisa Kurian of II BCom TT, Anjana K Jayan of II BCom Tax, and Sona Mariya Teresa Nickolas of V I BSc Botany.

Our Dance club member won different National and State level intercollegiate competitions which are as follows :

1. First Prize Fusion Dance - SHIKARA - National Level Competition held at Alphonsa College, Pala
2. First Prize Pair Dance - NRITHYA - All Kerala Dance Fest held at Bharat Matha College, Cochi
3. Second prize Fusion Dance - NRITHYA - All

Kerala Dance Fest held at Bharat Matha College

4. First Prize Group Dance - LAKSHYA - Intercollegiate Dance fest - Naipunya College, Angamali
5. Second Place Fusion Dance - MESHUGGAH - St. Paul's College, Kalamassery

AICUF Report

AICUF organised an orientation programme for the freshers on Saturday 9th July, 2016. Around 42 students attended the programme in the Marian Hall of our college. The programme begun with an ice-breaking session conducted by Mr. TOJIN JOSE (AICUF state animator). A social issue was put forward by Mr. TOJIN JOSE and the students came up with tableau in groups to convey their ideas regarding the topic. The formal inauguration of the activities of SH AICUF unit for the year 2016-17 began by 2.45 pm. Dr. V.S. Sebastain (Advisor), Jorphin Joseph, Jinesh P Joseph (Co-ordinators), Mr. Tojin Jose (State Advisor), and Mater. Jose Paul (Zonal AICUF President) were present in the meeting. Yedhu Krishnan R. (AICUF President 2015-16) presided over the meeting.

In response to a call for organ donation and awareness drive in campuses by KIDS (Kottapuram Integrated Development Society) on the 6th of August (Attended by John P Joseph and Ann Mary Biju), the AICUF (All India Catholic University Federation) and the YRC (Youth Red Cross) of Sacred Heart college, Thevara organised a one-week campaign 'Hrudaya Sparsham 2016' in the college. The programme was launched in the campus on Tuesday 16th. An essay competition was organised on August 17 on the topic "Avayavadanam Jeevadanam" or "Organ

Donation-A gift of life". About 18 students participated in the competition held in the auditorium balcony from 3:30 pm to 4:30 pm. A poster competition was also held on the above topic and about 20 colourful posters were received before the announced last date- August 22. The volunteers of AICUF and YRC distributed the organ donation-consent forms among the students and collected the properly filled forms during this whole week (16-22 August). The students could collect a total of 317 consent forms from the teachers and students of the college. The main focus was to instil in the minds of students and teachers, the importance of organ donation.

The concluding meeting was conducted in the college auditorium on the same day from 3 pm to 4:30 pm. The invited dignitaries included Fr. Davis Chiramel, Chairman-Kidney Federation of India and a proud kidney donor, Miss Swathi Krishna, a former student and an organ acceptor, Mr. Vasanth Sheno, a scientist and activist, Fr. Augustine Kattassery, the Associate Director KIDS, Principal Fr. Johnson Palackappillil CMI, staff secretary of the college- Dr. Sibi Mathew, Student dean Dr. V.S. Sebastian, the college Union chairman Mr. Ajin Joy etc. Being an organ donor and an eminent activist working towards spreading awareness about organ donation, Fr. Chiramel shared his personal experience and truths on the topic in a very insightful and inspiring way in the keynote address. In the meeting, the consent forms for organ donation were handed over to the Associate Director of KIDS by Fr. Principal. During the meeting, the prizes were given away for the winners of both poster making and essay writing competitions. The programme was concluded by 4.40 pm with the National Anthem. More than 500 students attended the programme.



AICUF in collaboration with the members of Swasti (the women's cell of the college) and NSS (National Service Scheme) conducted a programme 'Chat with a mountaineer' on 1st of September, Thursday. The programme was arranged as a part of 'womens' equality day' from 3:30 p.m. to 4:30 p.m. in the Melicious hall of the college. The chief guest for the event was Ms. Ananya Mary George who had shot to fame by climbing the Mt. Everest at the age of 16. The programme began by 3:30 p.m. with a silent prayer. About 70 students had gathered in the hall to attend the programme. The event opened up with a talk by Ms. Ananya's father Mr. George about Ms. Ananya and the brief details about her going on the expedition at the age of 16. Soon the chief guest was invited to deliver her talk. Ms. Ananya, a U.K based Malayali who is presently a medical student in U.K., had the opportunity for the Everest expedition while she was in her 11th grade. She had also received an intense training session for a year before the actual trip. She was among

a chosen group of about 30 students and teachers from 3 schools across U.K. The news of a Malayali girl who successfully climbed the highest mountain peak in the world had created much buzz in Europe as well the Malayali community then. After the talk, there was an interactive session with the audience for about 15 minutes.

As a part of our outreach programme, 70 AICUFers visited Bethlehem Abhayabhavan in Perumbavoor on 19th November, 2016. During this blood donor year (Starting from June 14- International blood donor's day) almost 31 students have donated blood to meet the requirements of patients in the nearby hospitals.

Adith Augustine and Ashwin Joshy (Mathematics Department) attended the state freshers camp conducted during 8, 9, 10th of July, 2016 at AICUF centre Thiruvananthapuram. 12 of the AICUF students from our college attended the state freshers camp hosted by

Christ College irinjalakuda from August 5th to 7th of 2016. Ann Mary Biju (Economics) and Nimmy Thattil (Zoology) have attended the Ernakulam Zonal election camp held during 27th and 28th August, 2016 at 'Sameeksha'. Nimmy Thattil was elected as the Zonal Treasurer for this academic year. Christina Anne Tom attended state leadership camp organised during 10-13th September, 2016 at AICUF centre, Thiruvananthapuram. Praseda Parameswaran, Ann Mary Biju and Anju S participated in the AICUF Annual Seminar held at St. Xavier's College, Aluva, on 12th December 2016 and presented on the topic-Achieve gender equality and empower women and girls.

The 2017 AICUF Exposure Camp was held at Kasargod, Kerala. The camp was set up at a place called 'Ambalathara' on 26th, 27th and 28th of January 2017. Two of our students, Lijimol-III DC Economics and Aswathy Menon-II DC Botany have participated in the programme. The camp certainly has created a spark in the

young minds to do more for the society. St. Xavier's board of higher education conducted a Youth Leadership camp in Goa which commenced on 26th of January, 2017. Three of our students-John P Joseph, Adith Augustine and Christina Anne Tom and one faculty- Mr. Jinesh P Joseph attended the three-day programme. Our team made a presentation detailing the environmental issues and case studies. The programme addressed issues like youth leadership in media, value conflicts, pro-life etc.



Major Events

Chavara Lecture Series

The 3rd edition of “Chavara Excellence for Social Transformation - Lecture Series” was inaugurated by Dr. E. Sreedharan, former DMRC chairman. In his speech he explained how he accomplished his major projects and emphasized on the role of excellence in social transformation. He also mentioned the social transformation and educational vision brought about by St.Chavara. The dignitaries at the occasion included Prof. K.V. Thomas, MP, Rev.Fr. Jose Kuriyedath CMI, Manager, Fr. Prasant Palakkappillil, Principal, Dr. Jose John, Vice Principal and Staff Secretary, Sibi Mathew.

Heartifest:

The event was inaugurated by eminent actor Nivin Pauly. Held at the Lakeview grounds, the event was preceded by an alumni gathering and honouring of illustrious alumni. The programme started with the lighting of the lamp and inaugural address by the chief guest. Thereafter the cultural event began which include songs, dances and skits. Many people were given prizes as part of lucky draw.



Industry - Institute Interface

The college organized Industry-Institute Interface on 27th October 2016. The objective was to present the academic programmes to the leading employers in the city for their inputs and comments. At the end of the programme it was possible to identify the features, attributes and qualities an employer is looking for. These characteristics will be considered while redesigning the syllabus and will probably be incorporated in it.

Heartifest

The event was inaugurated by eminent actor Nivin Pauly. Held at the Lakeview grounds, the event was preceded by an alumni gathering and honouring of illustrious alumni. The programme started with the lighting of the lamp and inaugural address by the chief guest. Thereafter the cultural event began which include songs, dances and skits. Many people were given prizes as part of lucky draw.





Publications

Physics

1. de Jesus R, P.R. Fagundes, A. Coster, O.S. Bolaji, J.H.A. Sobral, I.S. Batista, A.J.de Abreu, K.Venkatesh, M. Gende, J.R .Abalde, S.G.Sumod (2016), Effects of the intense geomagnetic storm of September–October2012 on the equatorial, low- and mid-latitude F region in the American and African sector during the unusual 24th solar cycle (J.Solar Terr. Phys.,138-139, 93-105 doi:10.1016/j.jastp.2015.12.015).
2. Sumod S.G., T. K. Pant, C. Vineeth and M. M. Hossain (2015), Unusual depletion of OI 630.0 nm dayglow and simultaneous mesopause heating during the penetration of interplanetary electric field over dip equator, (J. Geophys. Res.120, doi:10 10.1002/2014JA020584.)
3. Joshi L. M., S. Balwada, T. K. Pant, and S. G. Sumod (2015), Investigation on Flayer height rise and equatorial spread Fonset time: Signature of standing large-scale wave, (Space Weather, 13, doi:10.1002/2014SW001129).
4. Pius Augustine, M.S. Ramachandra Rao; Realization of device quality PMN-PT ceramics using modulated heating method.Ceramics International, 41(2015)11984-11991
5. PATENT: Pius Augustine, M.S. Ramachandra Rao; Monophasic PMN-PT ceramic element and production method therefor. No. 2796/CHE/2015 dt. 02/06/2015. Publication date.09.12.2016.

Mathematics

1. Jeenu Kurian, Generalised open and closed sets in fuzzy ideal topological spaces, Advances in Theoretical and Applied Mathematics, Research India Publications, Volume 12, Number 2 (2017) 71-79.