



# ANNUAL REPORT 2017/18

**Sacred Heart College (Autonomous)**  
Thevara, Kochi, Kerala

## S.H. @ National Ranking

NIRF

41

India Today

The Week

27

40

Arts

25

Science

24

26

Commerce

27

## ADMINISTRATION



**Rev. Dr. Augustine Thottakkara CMI**  
Manager



**Rev. Dr. Prasant Palackappillil CMI**  
Principal



**Rev. Fr. Nijo Antony CMI**  
Bursar



**Rev. Dr. Jose John CMI**  
Vice Principal



**Dr. Siby Mathew**  
Staff Representative



**Mr. Vinil K.V.**  
Staff Secretary

# Manager's Message

**Rev.Dr.Augustine  
Thottakkara CMI**



*Namaste!*

*I am happy to learn that SH College, a premier education institution of Kerala, is bringing out the yearly report of its activities, programs and projects of the past year. This publication would definitely give its stakeholders, that is, the staff, students, parents, benefactors and well-wishers, a forum to express their ideas and ideals about the formation of youth; their dreams and hopes about the College; their ideas about the educational process; about their visions of life and worldviews; their literary and artistic creativities; also their insights, criticisms and complaints. It definitely will serve also as a catalyst and mediator of the unity, fellowship and fraternity of these stakeholders.*



*My short message to Sacred Heartians is the following: From the College days, boys and girls should, with prudence and forethought, intelligently set up for themselves a value system, should diligently maintain it, and faithfully follow it. There are numerous values in life: health is a value, beauty is a value, wealth is a value, education, artistic and literary talents, communications skills, God-given gifts, social status – these are all values. Then there are the eternal, immutable values, like truth, justice, love, non-violence, mercy, uprightness, faith in God, etc. Indian tradition would say that there are four basic values (purusharthas), namely, wealth (artha), pleasure (kama), dharma (dharma means righteousness, duty, law, religion, virtue, etc.) and eternal liberation (moksha). Of these, of course, the eternal liberation, or salvation (moksha) is the supreme value (summum bonum). The other three values should ultimately serve to attain this highest and absolute goal of life.*

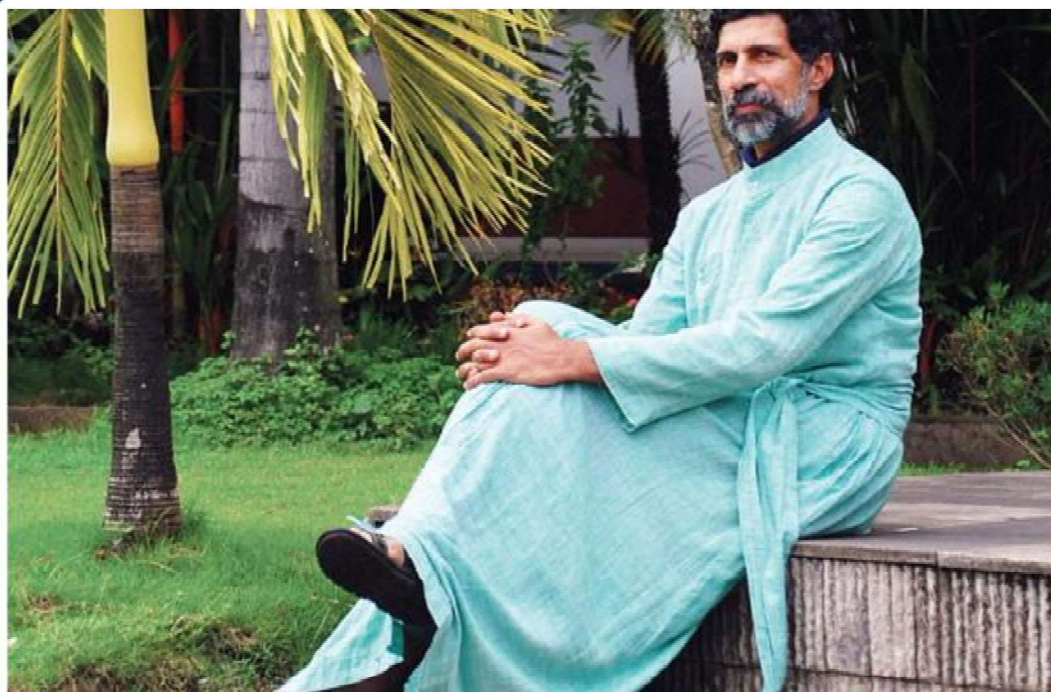
*If several values are placed before you, you should be able to choose the right value, the superior value. If wealth and education are placed before you, what would you choose? I would say education, because education is a superior value, it is one of the greatest assets of humans; vidya-dhanam sarva-dhanat pradhanam, 'the wealth of knowledge is the greatest wealth'. If education and health are placed before you, what would you choose? If duty (dharma) and material wealth is placed before you, you should choose your duty; dharmo hi tesam adhiiko visesah, dharmena hinah pasubhih samanah, 'dharma indeed is their (humans) specific characteristic; humans devoid of dharma are equal to animals'.*

*In our day-to-day life we are constantly confronted with these selections of values; life is in a way a chain of these selections and rejections. You have a free weekend, and you have numerous options before you.*

*You can watch cricket match, or movies, or read a novel, or go for a tour with friends, or visit your hospitalized grandfather, or join the group volunteers who work in the special school for mentally weak children, or work on the assignment from your office, or College. You need to choose intelligently.*

*Value system is closely linked with plan of life and goal setting. You should have a definite plan for your life, and to realize this plan, you should have also a plan for each day. See things in the correct perspective, set the values in the correct order, and follow it faithfully. For that you need to do things consciously. It is easy to flow with the crowd, and do things automatically and out of habit. There should be time for everything: for study, work, reading, TV, leisure, exercise, prayer and for common worship; but all consciously and logically planned and meticulously executed. You should be the master of your time and of your life. Assign time in the correct proportion for your various activities of the day. I usually give the following advice to students: everyday when you rise up, take two minutes to think and plan your day: sit erect, close your eyes, take two/three deep breaths, concentrate and think: 'what are the things that I have to do today?' There might be essential things, necessary things, useful things and optional things. Likewise in the night, before you go to bed, take two minutes: sit erect, close your eyes, take two/three deep breaths, concentrate and think: 'could I do the things I have planned for today?' For following a well-ordered value system faithfully, and thus for success in life, you should possess four important virtues and values, namely, self-confidence, determination, hard work, and perseverance.*

*God bless you!*




## Principal's Message

**Rev. J. Prasant Palakkappillil CMI, PhD**

As the college completes 74 years, we are presenting the annual report of the academic year 2017-18, with a feeling of accomplishment and great expectations. Accomplishment, because the college was ranked 28 in All India Ranking Framework (NIRF), the new initiative by the HR ministry. Expectations, as we are entering into the much awaited platinum jubilee year.

The year also saw that the government decision to introduce the scheme of autonomy in higher education has borne fruits - with our first undergraduate and post-graduate batches coming out successfully, and the college managing to stand its grounds withstanding the various antagonistic forces, trying to thwart the scheme on the basis of ideological affiliations. That was also a cause for feeling accomplished.



As we step into the jubilee year, we want to reinforce our commitment to learning, of being, above all, 'a wisdom seeking community' (college motto), leading to the construction of an enlightened society. We hope to improve on this front by focussing more on "outcomes" and research in imparting education at Sacred Heart College.

We remember with gratitude our former manager, an enlightened leader, Rev. Dr. Jose Kuriedath CMI, for his leadership and supportive role and feel proud to have him as our provincial to give overall leadership to the CMI mission in this region, especially for the fact of his having been our alumnus as well as former principal. We welcome our new leader, himself a scholar of great erudition in Indian Philosophy and Sanskrit language, Rev. Dr. Augustine Thottakkara CMI.

Besides going deeper on the academic front, we plan an array of activities, a mix of cultural, community based and community building activities during the jubilee year. The much longed after crown of Mahatma Gandhi University championship in the Youth Festival, I hope, sets the direction for the same.

I thank the team under the able guidance of Rev. Dr. Jose John CMI and Dr. Jeenu Kurien, for the compilation of this report and dedicate the report and our efforts in the most Sacred Heart of Jesus, our patron, in whom, 'is all the treasures of wisdom and knowledge'.

●April 2, 2018



## ANNUAL REPORT 2017-18

Our education must be ahead of society and its demand. The autonomous status strives to achieve a new culture of educational civilization in our system. Sacred Heart College, in its third year of autonomy, has attained a phenomenal success on various fronts as being an exemplary institution of educational excellence. The Under Graduate batch of students (2014 - 17) left an important mark in the history of the college as the first autonomous batch. The college bagged many awards this academic year including “Paristhithi Mithra” award 2017 instituted by St.Stephen’s College, Uzhavoor ; “Best NSS unit” award 2016 -17 to NSS unit instituted by Mahathma Gandhi University (NSS unit); “Best principal” award 2017 to The Principal, instituted by AICHE, “Recognition” award for the age friendly forum from the Corporation of Kochi. Our college bagged first in “Kayyazhuthu magazine competition” instituted by Kerala State Excise department. Our College secured first prize in national level science poster presentation in 35<sup>th</sup> Annual international conference of ISPSW at Govt. medical college Chandigarh. The presentation team include Fr. Prasant, Abin Ambily, Rakhi Menon and Sreejith. The college has been ranked 28 by the NIRF (National Institute of Ranking Framework) ranking.

Our new manager Fr. Augustine Thottakara CMI took his office on May 1, 2017. The staff gave a warm welcome to the new Manager, and with gratitude bid farewell to the serving manager, Rev. Fr. Jose Kuriedath CMI. After having served our college dutifully, few members of the teaching and non-teaching staff are leaving our institution this year. They include M.George(Dept. of Chemistry), Joseph

John(Dept. of Chemistry), Georgekutty Joseph(Dept. of Physics), Mathew K Jose (Dept. of Sanskrit), Mathew Jose K(Dept. of Commerce), George Thaddeus (Superintendent) and Mathew Uttuppu(Lab Assistant)

### Results of UG and PG for the academic year 2017 – 18 are as follows:

PROGRAMME	APPEARED	PASS	PASS %
BA ENGLISH	26	23	88.46
BA ECONOMICS	49	41	83.67
BA SOCIOLOGY	26	12	46.15
BA Animation	34	22	64.71
BSc MATHEMATICS	37	32	86.49
BSc PHYSICS	45	32	71.11
BSc CHEMISTRY	52	45	86.54
BSc BOTANY	43	31	72.09
BSc ZOOLOGY	49	34	69.39
BCom TAX	62	62	100
B Com Tax SF	49	42	85.71
BCom CA	62	57	91.94
B Com TT	45	18	40
BSc COMP.APP.	31	25	80.65
MA Cinema & TV	7	2	28.57
MA ENGLISH	17	17	100
MA ECONOMICS	20	17	85
MSc MATHEMATICS	13	13	100
MSc PHYSICS	13	12	92.31
MSc CHEM-PURE	21	17	80.95
MSc CHEM-APPLIED	12	5	41.67
MSc BOTANY	11	10	90.91
MSc ZOOLOGY	9	9	100
M COM	22	22	100
MSc AQUACULTURE	13	9	69.23
M A G. DESIGN	5	5	100
MA MCJ	11	11	100
MA MULTIMEDIA	6	6	100
MA SOCIOLOGY	6	3	50



The student union election was successfully conducted with the following elected candidates:

**CHAIRMAN** HARIKRISHNAN J, III B COM CA

**VICE CHAIR PERSON** GOURILEKSHMI J,  
III B COM TT

**GENERAL SECRETARY** ROOPESH MENON N I,  
II M COM

**UNIVERSITY UNION COUNCILLORS**

ADITH AUGUSTINE T J, III BSc MATH  
ULLAS U, I MSc MATHS

**EDITOR** SIVADAS K P, II BA AGD

**ARTS CLUB**

**SECRETARY** AMAL JOHN, II BSc CHEMISTRY

**LADY REPRESENTATIVE**

JASINA GEORGE, III BSc BOTANY  
RADHIKA D, II MA ECONOMICS

**CLASS REPRESENTATIVES**

**FIRST DC** NEENU SAJU, I BSc PHYSICS

**SECOND DC** ALAN MATHEWS, II BA ECO.

**THIRD DC** SETHUMOHAN M., III B COM TAX

**FIRST PG** RITWIK C. DAVIES, I MA ECO.

**SECOND PG** MOHAMED NISIN K.M.N, II MSc EVS

The Department of Botany, under the leadership of Botany Association organized a spectacular exhibition - “Cornucopia” on January 30, 2018, in which handmade products, indigenous food items, vegetable seedlings, flowers, medicinal plants, mushroom cultivation were exhibited. Department of Physics along with Indian Institute of Science Education and Research (IISER), Pune and the British Council organized four-day Research-Based Pedagogy Training (RBPT) workshop for graduate and

postgraduate science teachers across India from eleventh to fourteenth October 2017. The workshop was completely funded by IISER Pune, MHRD, DBT and British Council. All the departments of our college have organized vibrant programmes like Flora Fest, Chemifest, Fruitepedia, Zero Day, Fusion, Zoofest, Thandav, Boom etc. with full involvement of faculty and students promoting overall student development. Department of Sociology conducted a seminar on “Sociology of Divorce”. Fr. Abraham Kallarackal memorial seminar was also conducted. The PG Department of Sociology had organized a seminar on Gender relations on fifth January with special emphasis on ‘The Male Perspective on Gender identity’. Department of Economics organized Fr. Zacharias Payikat Endowment lecture on the ‘Impact of Demonetization on Economic Growth with Special Reference to Kerala’. The department also organized a talk on “Goods and Services Tax: How it works and what is its Impact on Indian Economy”. First and Second MSc Students of Environmental Science participated in the Human Chain in Mangalavanam, Kochi on 5 & 16, August, 2017 and a meeting against felling of 182 trees for the development of the Southern Railway. Like every year, this year too, the Department of English offered a Certificate Course in Business English. Three students from Japan registered for the program and all three completed the program successfully. The classes were conducted with the help of student tutors under the mentorship of Sri. Bijo N. Mathew. The department has launched another academic seminar in memory of its former member, late Ms. Subhi Treesa. This year’s seminar was on the theme ‘Post-feminism and the Impure Politics of



Resistance'. All the clubs organized many programs for the benefit of the student community.

INSPIRE- Inspire Camp was held from January 9 - 13, 2018. Over 200 high-school students participated in the Internship Camp. Tourism Club activities started with a visit to the Home of Destitutes at Perumanoor on July 6, 2017. Students interacted with the members and also conducted cultural activities. A total of 65 students participated in the program. In connection with World Ozone Day, Sacred Heart College, Thevara in collaboration with Kerala State Council for Science, Technology and Environment (KSCSTE) organized various programs which include poster making competition, quiz competition, signature campaign, public rally etc. on September 25-26, 2017. BhoomitraSena Club, SH College, organized a class on paper bag making at the food chemistry lab on December 21, 2017. In connection with World Wetlands day, Bhoomithrasena club and EVS department organized a seminar and poster competition in Feb 2018.

Speakers' Forum under the leadership of Dr. Abi T G and team, organized the prestigious *Sargapatham 2K17* on September 26-27, 2017. Under the leadership of SADAS, this year the Students Awareness Program (SAP) was conducted in association with Malayala Manorama's Balajanasakhyam in which students took classes in schools in and around Ernakulam. The quiz club members frequently participated in quizzes

across the state and brought laurels to the college. Notable win include the team comprising of Ajin Babu, Bejoy Sebastian and Siddharth PK. They secured the First Prize at the General Quiz held at Naipunnaya International Academy, Renewal Center, Kaloor on January 20, 2018.

In August 2017, SWASTI, under the sponsorship of Eastern group, organised a one hour interactive session with the celebrity entrepreneur Poornima Indrajith. On November 30, SWASTI in coordination with the Sustainable Menstruation Kerala Collective & Red cycle, conducted an awareness event - AARTHAVAYANAM - on promoting sustainable menstruation. FIRST-AID AWARENESS was an event initiated by SWASTI and NSS. A powerpoint presentation educating the students on important first-aid techniques was organised by the doctors from Lakeshore hospital and Rotary club volunteers. Sample Survey and Analysis Wing (SAW) conducted a workshop on 'Statistical analysis using Excel & R' for BSc Computer Applications students on 5th January 2018. National statistics day was observed on June 29, 2017.

In collaboration with CNRM, Primrose Nature Club organized inter-college seminar, quiz competition and poster designing competition in connection with the celebration of the World Wild Life Week celebration on October sixth. Dance club conducted an inter-department Dance competition.

### *College Union 2017-18*



AICUF organized a tribal exposure camp at Attapaadi. The students were able to know more about the lives of the different tribes and the problems that they face. The club also supplied around 40 bottles of blood this year to the nearby hospitals on request.

A space was created in the library for organizing research meets and lecture series. An indoor court for basketball / Volleyball game is under construction. A multi-purpose hall was built above the Zoology department and inaugurated this year.

### Students' Achievements

It was a proud moment for the college to secure 2<sup>nd</sup> position in MG university youth festival (2016 - 17). Congrats to all participants, volunteers and teachers behind the scene.

Our students won top prizes in the programmes conducted by IIM Kozhikode, NIT Trichy, ISAT Kalamasery, Barath Matha as well as St. Teresas college Ernakulam and bagged the overall champion in the youth meet conducted by Marian College.

Ms. Anitta John and Ms. Athira C.U. of Botany department have cleared NET-JRF. Two students cleared GATE and three others were awarded with KSCSTE scholarships. Mr. Jithin of Botany department was awarded Ph.D.

The following students of the Department of Commerce have cleared the National Eligibility Test and few of them have secured junior research fellowship (JRF). Athul Kuriakose, Neema Mary (2<sup>nd</sup> M.Com) and Blessy Babu (1<sup>st</sup> M.Com) made it to the JRF holders list and Aswini (2<sup>nd</sup> M.Com), Tittu Elizabeth Biju and Merlin Ann George of M.Phil have cleared NET. The department's team has won the 1<sup>st</sup> prize for its stall UMANG (unfolding means attaining newer greens) at Albertian International students expo 2018 held at St. Albert's college Ernakulam.

Mr. Nakul Menon of the Department of Computer Science has been selected for the Ambassador programme of SP Jain at Dubai. Mr. Ashiq of Computer department has won third prize in national ju-jitsu

Merin Jose and Vrinda Narayanan.P from the Department of Physics cleared National level exams. Both are doing their Ph.D at IIT Madras and IISER Pune respectively. Gayathree M Vinodh of Physics department cleared the JAM exam. At present she is doing her integrated M.Sc PhD at IISER Trivandrum. Ajin Joy of the same department cleared JAM exam and is doing his M.Sc at NIT Jaipur.

Two students of Department of Zoology cleared JRF.

### NCC Navy Wing

The NCC subunit has 26 SDs and 24 SWs. On 26<sup>th</sup> January 2017, Cadet KEERTHANA SANTHOSH was part of Republic Day Parade at Delhi, representing NCC Naval wing from Kerala and Lakshadweep Directorate. She also participated in the PM rally. Senior Cadet Captain Jugal V Ved of third year B.com has participated in the NCC youth exchange program at Kazakhstan and has received the Director-General commendation for the year 2018. He secured the first place in M.G. university inter-collegiate table-tennis tournament. Leading Cadet Merin Augustine and Cadet Kirandas were selected for ALL INDIA YATCHING REGATTA representing Kerala and Lakshadweep Directorate which was held at INS Chilka. NCC Naval Wing of Sacred Heart College, Thevara and 7(K) Naval wing NCC Ernakulam jointly organized a programme PARADIGM on October 2, 2017. As a part of Swach Bharat Abhiyan, NCC Army, Air Force & the Navy wing along with NSS unit conducted a cleaning program in and around the college.

### NCC Army Wing

This year 46 cadets were enrolled in NCC Army wing on July 18, 2017 adding to a total of 108 cadets. They were able to conduct 17 ½ parades along with a 2 day Mini-camp during training year. Four cadets participated in Republic Day Parade, Kakkanad on January 26, 2018. CUO Renjith S P of 3<sup>rd</sup> BSc Chemistry attended SNIC, Kavaratti, Lakshadweep. CSM John Ponnann Joseph of 3<sup>rd</sup> BSc Zoology attended Indian Military Academy attachment at Dehradun.



## NCC Air Wing

Flying Officer Dr. Joseph George, Associate NCC Officer (ANO), NCC Air Wing came first in the order of Merit in the 44<sup>th</sup> Senior Division Refresher Course held at Air Force Station, Chennai (15<sup>th</sup> May to 9<sup>th</sup> June). Twenty nine cadets from first year UG students enrolled to NCC Air Wing. CSUO Priyanka Subash was selected as the Air Wing Best cadet of Kerala and Lakshadweep Directorate and she represented Indian NCC in the prestigious Youth Exchange Programme (YEP) to Bhutan in the month of December 2017. Air Wing Cadets actively participated as Volunteers in the FIFA under-19 World Cup conducted at Jawaharlal Nehru Stadium, Kaloor.

## NSS

Our college NSS unit conducted a seven day major camp 'JAIVAM' with a goal to create 'Haritha Saaksharatha' among the natives of Kottayam district. Activities like donation of blood, planting saplings at KURTC bus stand, cleaning of public places like KSRTC bus stand, south railway station, beautification of campus, book distribution to school students, Fort

Kochi beach cleaning, self-defense training class, promotion of public transportation, etc. were also organized by the units.

## Physical Education

College became overall runners up in sports at the university level. The 73<sup>rd</sup> Fr. Bartholomew Memorial Inter-Collegiate Basketball [men/women], Volleyball [men/women] and Ball badminton [men] was conducted in the last week of February. Our college secured first prize in Shuttle Badminton [Men], Tennis [Women], Table tennis [Men], Table Tennis [Women], Cricket [Men], Handball [Men] and runners up in Kabbadi (Men), Fencing (Men) in the M.G. University Championship, 2017 - 18. Moreover we secured third position in Basketball (men), Roll ball (men), Roll skating (men) in the same competition. This year 5 students represented India, 48 represented M.G. University and 33 in Kerala state in various games.

## Faculty Achievement

Faculty members have acted as resource persons in various scientific and technical committees and

*College NSS Volunteers with inmates of Old Age Home*





workshops. Dr. Giby was awarded with 'Paristhithi Sahithya Puraskaram' constituted by Sahyadri Natural History Society, Thiruvananthapuram for the book 'Vismruthiyilakunna Vrikshangal'. Dr. Mathew Jose K. secured the DEWANG MEHTA National Educational Award for best Professor in commerce during this academic year. The guide-ship of Dr. Joseph George and Dr. Remya Ramachandran was approved by M.G. University. Fr. Tomy Palatty is attending a one-month orientation program at Ranchi from 5<sup>th</sup> February 2018 onwards. Dr. T.P. Thomas was elected as chairman of Cochin Stock Brokers Ltd – a leading public Ltd. Company in Ernakulam. Mr. Jeet Kurian Mattam and Mr. Sanil.K.V attended orientation program in Kerala university, Trivandrum. Dr. Sumod S.G of the Dept of Physics received 'Kerala State Young Scientist Award-2017'. He also set up a new research lab in the Dept in collaboration with ISRO through a research grant of Rs. 30 Lakhs. Dr. Pius Augustine, Dept. of Physics received Best Poster presentation award in the 9<sup>th</sup> International Conference on Materials for Advanced Technologies (ICMAT 2017) held at Singapore. Ms. Raagam P M, Department of Zoology, attended Refresher Course at CIFT.

## International

Sreedevi M. S., of II B.Sc Zoology went to Juniata College on Student Exchange program. Mr. Joe Joseph and Ms. Rajsree Rajasekheren of the Economics department, who had been selected for the US UGRAD programme, successfully completed their study in the US universities during this academic year.

As part of our regular exchange programme, four students and two faculty members from Juniata College, Huntingdon, spent one week in the college campus and attended various programmes during the Christmas vacation.

## Extension and Outreach

Heartian Harvest, our Bio-market, was a big success in its second year too. Our college took initiative in cultivating vegetables in one cent area. Tomatoes, lady's finger, brinjal, chilly etc. were cultivated jointly by nature club and final year botany students. A one-day organic fair was conducted.

Seven community medical camps were arranged as part of service learning. The Fort Kochi beach was cleaned.

On the occasion of National Energy Conservation day on December 14, a rally was conducted to spread the message of energy conservation. Two awareness lectures (one at Pandit Karuppan Hall, Thevara and the other at Snehatheeram Resident's Association) concerning energy efficiency were given by Dr. Mathew George under the Urjakiran program by Kerala State Government.

The 3<sup>rd</sup> year UG students of Sociology department visited St. Thomas Home for Destitute, Perumanoor on June 18, 2017. The students did manual labour such as cleaning the home. Students also volunteered the Eye Camp conducted by the same organization on

*Pokkali Rice Farming, Arayankavu*



*Cleaning KSRTC Bus Station & Tree Planting*



June 23, 2017. The 1st year UG students, as a part of their Social Outreach program, conducted a visit to the Government Home for Destitutes at Thevara Ferry on December 17, 2017. The student community also engaged the inmates in a session which consisted of cultural programs including dances, songs, discussions etc and actively engaged the members of the house.

As part of Extension activity of Economics department, Faculty and students of the department visited RAKSHA Centre – a Vocational Rehabilitation Centre for mentally challenged (supported by Tata Social Welfare Trust Mumbai) on January 19, 2018.

## Obituary

Prof. P. V. Chackunny, former faculty of department of Physics passed away. As a tribute, the Prof. P.V Chackunny Endowment was launched for the Best M.Sc Project. The Endowment was initiated by the family members of Prof. P.V Chackunny.

Retired Prof. N. Appukuttan of Zoology department passed away in the month of November. A condolence meeting was held in the college as a mark of respect and to cherish his services to the college.



Prof. P.V. Chackunny



Prof. N. Appukuttan



## Department Activities



### Department of Aquaculture

The 2017-19 batch of students joined on June 27, 2017. Lecture/Talk by eminent scientist on current topics of importance is conducted to create awareness and to improve their knowledge.

Eminent scientist, Dr. Sunil Mohammed, Principal Scientist, CMFRI, Cochin, delivered a lecture on 'New Development in Marine Fisheries Governance in India' on November 28, 2017. Students were taught to breed ornamental fishes in the hatchery and sale the products and aquarium tanks. They were encouraged to take part in the "Earn while You Learn" campaign. As an initiative, 50% of the revenue is given to the students.



### Department of Botany

Botany association activities for the year 2017-18 were inaugurated on July 4, 2017 by Dr. Shylaraj K.S., eminent scientist of rice Research Station, Vyttila. She enriched the day with an invited talk on "Rice: Ecology and Physiology of Saline Tolerant Rice Land Races". The Botany Association conducted "**Fruitipedia 2017**" (third edition) on July 10, 2017. It was an exhibition of the wide spectrum of fruits.

The Department of Botany, under the leadership of Botany Association, has organized a spectacular exhibition - "**Cornucopia**" on January 30, 2018. Hand made products, indigenous food items, vegetable seedlings, flowers, medicinal plants, mushroom cultivation were exhibited.





**Guruvandanam** programme was conducted at Melesius hall in the honor of late Prof. T.U. Joseph on April 1, 2017. Dr. C.G. Sudha, Head, Biotechnology & Bioinformatics Division, JNTBGRI, Palode, one of the reputed alumnus of the department, was invited to share her experience. As the part of World Environment Day, the Department of Botany organized a photo exhibition of the Rare and Endangered Orchids of the Western Ghats.

**Dr. M.S. Francis**, Associate Professor and Head of the Department, retired from the service on 31<sup>st</sup> May, 2017. We gratefully place on record his relentless pursuit as an ideal teacher who enriched the College and the Department with genuine zeal and sincere commitment. He was instrumental in elevating the profile of the department to greater heights.

Mr. Lesly Augustine has submitted his Ph.D. thesis and other three faculty members are pursuing their Ph.Ds. Botany Association brought out 'Dalamarmaram', the manuscript magazine and 'Botanica', the newsletter. Ms. Anitta John and Ms. Athira C.U. have cleared **NET-JRF**. Two students cleared **GATE** and three others were awarded with **KSCSTE scholarships**.

The department has completed a coveted extension programme, "Restoration of orchids in human transformed landscapes involving local community and schools in Waynad district, Kerala", funded by San Diego County Orchid Society (SDCOS), California, USA.

The faculty members **published 16 research articles** in various journals. Mr. Jithin was awarded **Ph.D.** At present there are 9 research scholars in the department. Dr.Giby Kuriakose and Mr.Ebin P.J. served

as Resource person for the two day workshop on Angiosperm taxonomy "Working with Plants" organized by the Department of Botany, Govt. College, Kottayam. Fr.Dr.Jose John and Dr.Giby Kuriakose delivered **3 invited lectures**. Dr. Giby was awarded with '**Paristhithi Sahithya Puraskaram**' constituted by Sahyadri Natural History Society, Thiruvananthapuram for the book '*Vismruthiyilakunna Vrikshangal*'. The department has organized 6 invited lectures by eminent scientists from other states. Dr.Giby has initiated a study to formulate measures to eradicate *Mucuna brachtiata*, a nasty weed, from the Kanyakumari Wildlife Sanctuary, Nagercoil, Tamil Nadu from August 2017. The Department is acting as a **Plant Authentication Centre** and this year students from 3 Pharmacy Colleges, namely, Dept of Pharmacy, Amrutha School of Pharmacy, Kochi, Shree Devi College of Pharmacy, Mangaluru, Karnataka and St.Joseph's College of Pharmacy, Cherthala (Total 9 candidates) benefitted this facility for plant authentication.

**Seedling** of various vegetables and fruits are being reared and distributed to the Heartian Community and to the public as an initiative to promote organic farming and agricultural habits. Dr.I'ma Neerackal conducted a hands-on-demonstration on mushroom cultivation for staff and students of the college. **Fr. Aquinas Quiz** was conducted on 12 December, 2017 and Ms. Gayathri Sharma led the quiz competition. **Silver Jubilee Celebrations** of Kerala Botanical Society was inaugurated on the same day. All Kerala Botany Quiz Finals of **KBS** was conducted here on 29 January 2018. Dr. Dennis Thomas, inaugurated the KBS Silver Jubilee Lecture Series. There were 7 invited talks and Interactive Sessions by eminent scientists from outside the state on various topics.





## Department of Chemistry

Department of Chemistry is celebrating its 71<sup>st</sup> anniversary this year. Department has organized various academic programmes including Prof K V Thomas Endowment National Workshop on “Sustainable Energy Storage and Conversion” held on January 16<sup>th</sup> and 17<sup>th</sup> 2018. Dr Vijayamohan Pillai, the Director of CSIR Lab. Karaikkudi, Dr M M Shaijumon from IISER Trivandrum, Dr Anil Verma from IIT Delhi and Dr Ranjith Krishna Pai from DST Delhi led the technical sessions of the national workshop. Around 100 participants including teachers, research scholars and PG students from various institutes attended the workshop.

Department organized 4<sup>th</sup> Prof. V. A. Joseph Endowment one-day seminar on 29<sup>th</sup> November 2017, the event mainly focused on the academic benefits of PG students in and around Ernakulam city. The theme of the seminar was “NMR Techniques in Chemistry”. Dr. Vinesh Vijayan, Assistant Professor, IISER Trivandrum delivered the lecture. 110 Post Graduate students and teachers from various colleges besides the students and teachers of Sacred Heart College, attended the seminar.

Department organized Prof. Aravindhakshan Kartha Endowment one-day workshop in micro-scale experiments in chemistry on 19<sup>th</sup> August 2017. The objective of the workshop is to impart training for teachers and UG Students in innovation, time-saving, eco-friendly practical methods with less use of chemicals. Dr. S. Murugan from Nagarcoil Hindu College, led the technical sessions of the work shop. Forty selected students from I and II year Chemistry, Botany, Zoology and Physics along with 7 faculty members attended the work shop. Chemistry Association Inauguration was held on 17-08-2017 and Dr. T O Varghese from CIPET led the technical session.

### Faculty Achievements

Dr. Grace Thomas secured American Chemical Society (ACS) membership. Dr Abi T G became Research Guide in Chemistry of MG University. Ms. June Cyriac completed her PhD in Chemistry from MG University

and was awarded PhD in 28-12-2017. Dr Jinu George and Dr Franklin J. secured a major research project of 26 lakhs sanctioned by KSCSTE for enhancing the research related to new generation anti-cancer drugs. Dr Jinu George secured visiting scientist fellowship at JNCASR Bangalore. Dr. K B Jose, Dr. June Cyriac and Mr. Midhun Dominic procured Project funded by KSCSTE under SPYTIS scheme.

### Invited Talks and Conferences

Dr. M George and Dr. June Cyriac attended and presented poster in International symposium for mass spectrometry held at Indianapolis USA from 3-7 June 2017. Dr. M George has delivered an invited lecture in KSCSTE sponsored national seminar at Nirmala College Muvattupuzha in March 2017. Dr. Franklin J gave invited talks in the National seminars held at Govt. College Kattappana on November 2017 and CMS College, Kottayam in December 2017. Dr. Franklin J, Dr. Jinu George, Dr. Grace Thomas and Dr. Abi T G gave talks in the Winter School of Biochemistry held at CMFRI Kochi in January 2018. Dr. Abi T G gave invited talk at the UGC sponsored faculty enrichment programme in computational chemistry held at St. Teresa's college Ernakulam in March 2017. Dr. Ramakrishnan S was the resource person for the Dr. A M Chacko Endowment Lecture at U C College Aluva in January 2017. Dr. Ignatious Abraham was the chief guest for chemistry association inauguration of Morning Star College Angamaly on August 2017.

Mr. Midhun Dominic C D, Mr. Senju, Dr. Jorphin Joseph, Dr. Jinu George, Dr. Grace Thomas, Dr. Ramakrishnan S and Dr Abi T G attended and made presentations in various international as well as national conferences/workshops conducted by reputed institutes across the country, that includes International conference on Drug Design held at JNU New Delhi in April 2017, STEM International workshop conducted by British Council, MHRD, Newton Baba and IISER Pune held at Sacred heart college Thevara in Oct 2017, International Conference at Maharaja's college on November 2017, International conference at IISER Trivandrum in December 2017, KSCSTE sponsored national seminar at St. Thomas College Pala in June 2017 etc are some of the noted academic conferences / workshops.

## Department of Computer Science

### Programmes, Courses and Innovations in Teaching Learning:

Conducted BoS meeting for syllabus revision.  
Conducted DQAC meeting for improving the quality of the Department. Introduced Latex and Moodle.  
Introduced 'R' language. Latex and Moodle are introduced for the development of students also.  
New in-house projects are developed by students.  
Open houses are conducted after each semester.  
Result analysis is done and is intimated with parents and students. Mentoring is strengthened.  
Faculty attended Seminars (5) Workshops (4)  
Orientation (5) QuizCompetition (2)  
Paper Presentations (3) Industrial Visits (1)  
Best Googler Competitions (1)

### Prizes and Awards:

Final year student Mr. Nakul Menon has been selected for the Ambassador programme of SP Jain at Dubai.  
Mr. Krishnadas N S, Mr. Nijin Devassia, Ms. Namitha Victor, Ms. Fasnani A.F and Mr. Benhur Joseph Antonio were selected for the final round of National Technical Competition organized by IIT Kharagpur.  
Mr. Ashiq has won third prize in National Ju-Jitsu championship.

### Achievements:

**Mr. Krishnadas N S:** Has developed mobile app for SH College Library. Attended six national camp, Got 'B' certificate; Rank: Petty Officer Cadet.

**Ms. Sreepriya R:** Attended 4 national camp. Got 'B' certificate, Rank: Leading Cadet.

**Ms. Sneha Paul:** Attended 4 national camp. Got 'B' certificate. Rank: Leading Cadet.

**Ms. Sreejith K S:** Attended 5 national camp. Got 'B' certificate. Rank: Cadet Captian.

**Ms. Karishma Gupta:** Attended 3 national camp. Got 'B' certificate. Rank: Leading Cadet.

**Mr. Rejith Sekhar K R, Mr. Jousha John and Mr. Emil**

**Marian** have won 2<sup>nd</sup> place in graffiti wall competition.

**Mr. Nakul Menon** has selected as Best Manager and Best Personality in National level IT Fest.

## Department of Economics

### Seminars – Lectures –Talks organized by the Department

1. Department organized Fr. Zacharias Payikat Endowment lecture on "Impact of Demonetization on Economic Growth with Special Reference to Kerala" on 07/02/2017 at 10 am. Prof. Dr. D Narayana, Director, Gulati Institute of Public Finance and Taxation, Thiruvananthapuram delivered the lecture.
2. In connection with this lecture, Department in association with Kerala Cartoon Academy organized a cartoon exhibition on "Demonetization".
3. Department organized a talk on "Goods and Services Tax: How it works and What is its Impact on Indian Economy" on July 27, 2017 (Thursday) at 10.30 am. Dr. Jose Sebastian, Professor, Gulati Institute of Finance and Taxation, Thiruvananthapuram delivered the talk.

### Workshops

Economics Department organized an exhibition cum workshop on Eco-Friendly Paper Bags Making on 12/12/2017 with the objective of instilling the spirit of creativity and entrepreneurship in students, to create awareness among students about environmental sustainability and to care for future generation, and to extent economic theory to the application level and skill formation. Mrs. Usha Kamal (Certified Fevicryl Specialist in Pidilite Company) led the workshop. Members of Kudumbasree Units and aged members of age friendly group also attended the workshop.



## Financial Literacy Training Programme

Department of Economics organized “Financial Literacy Training Programme” for II DC and Final DC students on 14/11/2017 in the FN session. Mr. Benil Dani Alexander (Director) and Arjun Manikandan (Senior Manager Marketing) of Hedge School of Applied Economics, Kochi led the training session.

## Talk on Multi - Specialization

Department organized a talk on “Multi - Specialization” for final DC students on 2/2/2018 from 10.30 to 11.30 am. Mr. Hemant Sharma, Dy. Director, O.P Jindal Global University, Delhi delivered the talk. While interacting with the students, he pointed out that students must ensure acquiring multiple specializations while choosing an academic programme of a university.

## Innovation

### An Innovative Academic Programme of the Department

Economics Department initiated an innovative academic programme – “Academic Discussion” on every third Wednesday in a month at 3.30 to 4.30 pm on current economic issues, events, developments etc, involving all the students of department. The purpose of this programme is to generate a passion and interest for economics in students, and to increase general awareness of the students about economic affairs. The first of this programme was held on 24/1/2018. The discussion was on Richard Thaler (Nobel prize winner for Economics – 2017) and his nudge theory.



## Economics Association Inauguration

Rev. Fr. Jose, Vice Principal of the college inaugurated the activities of Economics Association for the academic year 2017-18 on 27/07/2017. In connection with this function, Department organized a talk on “Goods and Services Tax: How it works and What is its Impact on Indian Economy”.

## Economics Fest

Department of Economics Sacred heart college Thevara, inaugurated the fest at 2.30 PM on 12/01/2018. This function was followed by a keynote address on “Latest Trends in Indian Capital Markets”. As part of this Programme, an All Kerala Inter collegiate Debate, Quiz and Paper Presentation (Budding economist), mock press, Raw photography competitions were held. Almost 350 students including the participants from various colleges in Kerala attended this programme.

## Outreach

The Department continued its Extension and Outreach programme– Janaparam- initiated in 2016 at S.V. U.P School, Nettoor, during 2017-18 also. Under this programme, students of economics department engage remedial classes for SV UP School students on first and third Saturdays in every month, on current affairs, social studies, basic mathematics and basic English etc.

## Extension Activity

As part of Extension activity of Economics department, Faculty and students of the department visited RAKSHA Centre – a Vocational Rehabilitation Centre for mentally challenged (supported by Tata Social Welfare Trust – Mumbai) at Thoppumpaday – Ernakulam on 19-01-2018. Students interacted with inmates and organized cultural programmes for them. Students donated Rs. 2000 towards educational fund of the rehabilitation Centre.

## Department of English

The plans for the academic year 2017-18 were readied at the end of the last academic year itself. The primary task was to streamline the curricular and co-curricular work including the preparation of the question banks and the conduct of redo/retest examinations. 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; Training for Business English Certificate (BEC) offered by the Cambridge University, and coaching classes for students to appear for NET examinations. This year three students who underwent training here cleared the test.

### Academic Results/Achievements:

The performance of the students in examinations this year was quite good. The postgraduates made a sterling performance with a 100% pass with eight 'A' grades and eight 'B' grades. Two of five students including one from the present batch qualified the NET examination. The performance of the BA students was also satisfactory with a mere 82% completing the programme successfully with 4 A+, 12 A grades and 5 'B' grades. Four of our students were able to get admission to National level institutes for postgraduate programmes.

### 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

This year too, the department undertook the task of training graduates in English Communication Skills through the ASAP training camp. The camp was held in two parallel batches, in which 55 students participated. This year's institutional ranking is yet to be announced. Last year we were placed in the 5-star category.

### Academic Seminars /Workshops/Invited Lectures:

#### 1. Subhi Memorial Regional Seminar

The department has launched another academic seminar in memory of its former member, late Ms. Subhi Tresa. This year's seminar was on the theme "Postfeminism and the Impure Politics of Resistance". Well-known scholar and academician Dr. Narayana Chandran from the University of Hyderabad was the chief resource person for the seminar. The second plenary session was addressed by Dr. C S Jayaram, a well-known scholar and the former Head of the English faculty of the college. The seminar is proposed to be yet another annual feature of the department.

#### 2. Dr. Cheruveli Endowment Lecture

This year's Dr. Cheruveli Endowment lecture was held on 9th January 2018 on the theme, "Reporting from Conflict Zones" in which leading TV presenter in Malayalam, Ms. Nisha Jeby spoke in the challenges of reporting and opportunities in journalism.

#### 3. Rev. Fr. Koyikara Endowment

This year's Rev. Fr. Koyikara Endowment Media seminar is scheduled to be held as a 1-day copy editing workshop on the 16 January, 2018. The workshop is intended to give the students of the Copy Editor students of the UG classes a hands on training in the art of copy editing. The workshop will be led by senior journalists from the national level daily, *The Deccan Chronicle*.

#### 4. Dr. Dan Thottakkara Seminar

This year's Dr. Dan Thottakkara Seminar is scheduled to be held in the month of March. As usual, we have planned to have it with the usual rigor and splendor.



### Invited Lectures

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

Sl.	Speaker	Topic
1	Dr. Thomas Abraham	What is Literature
2	Dr. Augustine Thottakkara	Indian Philosophy
3	Fr. Nijo Antony	Social Network & Security
4	Dr. N. Prasanthakumar	Research Methodology

### Faculty Improvement:

Two of the teachers of the department participated in Orientation/Refresher courses this year. Three others took part in National/state level seminars and workshops organized by various colleges in the state this year and two papers were also presented by the faculty members. Two of the faculty members were resource persons in various academic seminars during the year.

### Research Publications:

There are 3 research papers by the faculty members published this year. The department proposes to conduct a research paper writing workshop this year too. The workshop is scheduled for the month of April.

### Question Bank:

The department undertook a very important task of preparing the question bank for the odd semesters of the PG programme. The bank was used successfully in the end-semester examinations of November 2017. An average of 120 questions were prepared for each paper.

### Parent Open house:

This year parent open houses meetings were held for final year UG and PG students. The suggestions of the parents are taken seriously and steps are taken to address their grievances. Another round of parent open house is scheduled for the third week of February.

### On the Job for UG students:

The UG Students who underwent internship in various media institutions have performed satisfactorily. This year as many as 10 articles by students with bylines were published in the daily/journal where they underwent the training.

### Student Mentorship:

Class teachers have been given the charge of mentorship of the students of the class and the mentorship programme has been very effective this year. The Remedial programmes were initiated by the department, is also slowly picking momentum despite the fact that the lack of motivation continues to be a challenge in this area.

### Co-curricular Activities

#### Meraki 2018:

For the first time in its history, the department organized an intercollegiate Literary Festival called MERAKI on the 10th February, 2018. Over a dozen colleges participated in the 8 literary events. The meticulously planned festival was much appreciated by participants and audiences from various colleges.

### English Association:

English association of 2017-18 was inaugurated on 17/07/2017. Prof. Varghese Abraham was the chief guest. Fr. Principal presided over the meeting. The chief guest gave a lecture on the topic "What is Literature". The inaugural session was followed by cultural events by the students.

On August 10, 2017, the English department association organised a group discussion on the subject Romanticism vs Neoclassicism. Under the moderation of Professor Tom C Thomas, a team of ten speakers and learners challenged themselves to educate themselves and dive deep into the stuttering past of carelessness and ruthlessness of literature. A curious crowd of avid readers and professors felicitated the event with their presence.

The second year UG students threw a party to welcome and interact with the first year students of our

department in the afternoon of 30th June 2017 at Marian Hall. All the teachers and students of the department were invited for their participation and support.

The symposium organized by the English Department of S.H on 17 August 2017 started at 3:30 pm as scheduled. Fr.Nijo Antony who is an assistant professor of Computer Science Department and with long experience at his credit appreciated the efforts of the English Department on very consistently arranging symposium on the most debated social issues which mainly affects students.

A patriotic song competition was conducted by the English Association on 16-08-2017(Wednesday) at 3:30 pm in the English PG library. The students from all five classes of the department participated with bubbling enthusiasm. The students prepared well for the competition and a wide range of songs were presented.

Onam Celebration: ONAM is the time to show off our vast cultural heritage and rich variety for all the Keralites who celebrate it with much vigor than any other festival. The English Department's Onam celebrations were held on the 30th and 31st of August 2017 amidst great cheer and cultural extravaganza witnessed a mass participation.

Shakespeare Quiz: 1st August, 2017 heralded the department quiz competition conducted by the prestigious English Department at Sacred Heart College. The Quiz competition was based on the topic 'Shakespeare- The Bard of Avon'.

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

#### **Study Tour:**

For the first time, the department made an attempt to convert the student tour programme into a study trip. This year the PG students accompanied by two staff members participated in the Jaipur Literary Festival. The three days they spent in the festival venue was an unforgettable experience.

## **Department of Environmental Studies**

Centre for Environmental Studies started the Post Graduation programme in Environmental Science in the academic year 2016.

#### **Activities of the year**

**National Tree Day- 01.08.2017** National Tree Day was celebrated on 01.08.2017 in our College portico. Banners, charts with relevant quotes for the occasion were displayed. Tree saplings for distribution among students and staff with their respective botanical names were arranged. Rev.Fr. Dr. Prasant Palakappillil addressed the gathering and appreciated the initiative taken. The programme was formally inaugurated by our beloved Rev. Fr. Principal by planting a *Hopea parviflora* (Thambagam) sapling. All saplings were placed in cloth bag instead of plastic bags. The saplings were sold out to students and staff of the College.

**International Ozone Day- 25.09.2017** On 25 August, 2017, as part of International Ozone Day, Centre for Environmental Studies in collaboration with Bhoomithrasena Club of S.H College, Kerala State Council for Science Technology and Environment (KSCSTE) and Directorate of Environment and Climate Change (DoECC) had conducted a poster design and elocution competition in the forenoon which was continued by an afternoon seminar session on "Caring for All Life under the Sun" by Dr. Linto Alappat, Department of Geology, Christ College, Irinjalakuda.

**World Wetland Day - 02.02.2018** Centre for Environment Studies celebrated World Wetland Day with the International theme "**Wetlands for a Sustainable Urban Future**" on 02.02.2018. Kerala Science Council for Science, Technology and Environment (KSCSTE) supported the event with a financial grant of Rs. 20,000/-. Dr.V. Kripa, Head, FEMD, CMFRI and Dr.Linoy Libini, Assistant Professor and Head, Fisheries Station, Puthuvype, KUFOS were the technical session speakers. Poster competition and Field visit to Mangroves, Puthuvype were organized.

**Field study II** MSc. EVS went on a trip to Mangrove Ecosystem, Puthuvype (27.09.2017 and 28.09.2017). I MSc. EVS Freshwater Ecosystem, Periyar & Thattekad (23.10.2017 to 25.10.2017).

**Extension or outreach I** MSc. Environmental Science students attended a seminar - IISF Curtain Raiser Seminar on “**Climate Change and Sustainability of Ocean Resources**” organized by Centre for Marine Living Resources and Ecology (CMLRE) and Ministry of Earth Science (MoES) at The Renai, Palarivattom, Kochi on 04.10.2017. I MSc EVS students attended a Seminar and Exhibition on “**Wildlife Conservation**” on account of Wildlife Week celebrations, organized jointly by the Centre for Environment and Natural Resource Management, Kochi, Primose Nature Club, Sacred Heart College, Thevara and KSCSTE in Sacred Heart College, Thevara on 06.10.2017. Students of I MSc. Environmental Science along with the faculty attended a “**National Conclave on Mangrove Conservation**” at Bolgatty Palace, Kochi on 10.12.2017. The Conclave was jointly organized by IUCN, Wildlife Trust of India (WTI) and Apollo Tyres. 4<sup>th</sup> sem students attended Kerala Environment Congress, 2017 at Centre for Environment and Development Thiruvananthapuram on 6-8 Dec, 2017. 4<sup>th</sup> sem students participated in the M S Swaminathan Research Foundation Project Biodiversity Heritage Center at Puthoorvyal, Wayanadu. Students of MSc Environmental Science visited **Puthuvype** residents at their protest site of Kochi **LPG terminal** on 06.07.2017. I and II MSc Students of Environmental Science participated in the **Human Chain in Mangalavanam**, Kochi on 5 and 16 of August, 2017 and a meeting against felling of 182 trees for the

development of the Southern Railway. On 20.09.2017, students of I & II MSc. Environmental Science together with the NSS volunteers of the college and our dear Principal Rev. Fr. Dr. Prasant Palakkapillil had visited the residence of Mr. Nasar in Arookutty who successfully turned his 10 cent residential area to an integrated farming plot.



Students of I MSc. Environmental Science along with the NSS volunteers of the college under the supervision of Principal, Rev. Fr. Dr. Prasant Palakkapillil undertook a three day long trip to **Kanathalloor** from 30 September to 2 October, 2017. Estimation of the different varieties of fruits and vegetables were done from that region. On 3 January 2018, students of I year MSc. Environmental Science visited **Chellanam** coastal area which was affected by the recent **Ockhi cyclone**. Students interacted with the local community members to understand the impact of the disaster, emergency response and the post disaster recovery and relief which was carried out by the community, local, State and Central administrations. Our students along with the faculty extended moral support to the affected people by observing fasting on that day. I MSc. Environmental Science students along with faculty, Bhoomithrasena Club and NSS of Sacred Heart College, Thevara attended a short meeting held on 11 January 2018 at 9:00 am near Shanthi Nagar as part ‘**Patha Yatra 2018**’ which was held from 1-15 January, as part of *Suchitwa Bodhana Yajnam 2010-2025*. Students and faculty created a documentary video on “Mangroves: A journey through those who bear it abreast” (കണ്ടൽക്കാട് തൊട്ടറിഞ്ഞവരിലൂടെയുള്ള ഒരുപ്രയാണം) and presented in the college portico on the world wetlands day, 2 Feb. 2018.





### Staff achievements

Dr. James T J. gave an invited talk on Peryar river pollution. Dr. Remya acted as Organizing Secretary for the “World Wetland Day” celebration on 2 February, 2018. Financial Support (Rs. 20, 000/-) from Kerala State Council for Science, Technology and Environment. Dr. Sudha attended Level 1- Research Based Pedagogy Tools (RBPT) - STEM Workshop from 11.10.2017 to 14.10.2017; Organized by the Department of Physics, Sacred Heart College, Thevara and IISER, Pune. Ms. Anjana N.S presented her pre-colloquium synopsis on Disaster management using Remote sensing and GIS in the School of Environmental Studies, CUSAT on 01.11.2017.

She also presented a paper on the topic “Effect of Atmosphere on the Dispersion of Ammonia” at Swadeshi Science Conference held at Amrita Institute, Kollam from 07.11.2017-09.11.2017.

## Department of Mathematics

### Faculty Achievements

Prof. M.P. Sebastian served as the subject expert for the screening committee of promotion of teachers. One faculty is on leave and is pursuing research in Auckland University, New Zealand. One faculty has attended refresher course at Kerala University, Trivandrum. One faculty has attended orientation course at Kerala University, Trivandrum. Prof. M. P. Sebastian published a book on *Quantitative Methods for Economical Analysis II* for BA Economics. Mr. Didimos K V published a paper in the International Journal *Annales de la Fondation Louis de Broglie*. Faculty members attended 11 seminars during the academic year.

### Activities for the year

The department conducted IIT JAM coaching for fast learners. The department provided NET coaching.

The department conducted Rev. Fr. John Therezhath Endowment Lecture Series for PG and UG students.

The talk for UG students was held on 13 January 2017 and the resource person was Dr. Arun K R, IISER, Trivandrum. The talk for PG students was held on 12 January 2018 and the resource person was Prof. V. Kannan, University of Hyderabad. Our faculty members engaged practical sessions of the INSPIRE programme. II DC students took part in a social outreach programme at a tribal hamlet at Thenmala.

### Students' Achievements

Our Quiz team consisting of Vishnu K S and Joe Joseph Mathew of II DC Mathematics won 2 first prizes, 2 second prizes and 2 third prizes in various mathematics quiz competitions. The PG students made the department proud by securing 100% pass out of which 7 students got A+. The pass percentage of UG students were 84% with 11 students obtaining A+ grade.

## Department of Oriental Languages

The Oriental Languages department coordinated and is co-ordinating various activities of the college like Hridayanjali, Hridayasargasangamam, Youth Festival etc. Ms. Shoba Liza John joined back after submitting her Ph.D. thesis on 1 June, 2017. Our faculty attended various international and national seminars and has published several articles. The department of French conducted an interactive session with Mr. Emmanuel Samson, Cultural attaché for promoting French language, French embassy in India on 16 January, 2018. Mr. Syamlal participated in a 5 day training workshop Testing and Evaluation for Asst Professors at Central Institute of Indian Languages, Mysore. The department successfully conducted internal exams and has managed to complete the syllabus on time.

## Department of Physical Education

Sacred Heart College stands on top in sports achievements among the Colleges in the University. On the strength of our tremendous sporting credentials potential sportsmen and sponsors gravitate towards us helping us create an enviable track record in sports. The College has proved its distinction in many other games including basketball. It has won the coveted MANORAMA TROPHY for the best College in sports three times [1997-1998, 1999-2000 and 2003 - 2004].

The conduct of Fr Bartholomew Memorial tournaments in Basket ball, Volleyball and Ball badminton with unbroken succession since 1945 itself is an eloquent testimonial to the abiding sporting dedication of our College. The 73<sup>rd</sup> Fr. Bartholomew Memorial Inter-Collegiate Basketball [men/women], Volleyball [men/women] and Ball badminton [men] was conducted in the last week of February. The College cherishes a very proud tradition of sports and it can claim among its alumni sportsmen of national and international reputation. The College provides ample facilities for athletics, major games, indoor-activities and martial arts. It also has a well-furnished health club with excellent facilities, open to the public as well.

**Vision :** Physical fitness and physical discipline as significant component in holistic development for enhancing wellbeing.

**Focus Area :** 1. Promotion of Competitive Sports. Fitness and body care, 2. Theory in Physical health & Life Skill Education, 3. Infrastructure Development and Community service .

### M.G.UNIVERSITY CHAMPIONSHIPS-2017-18

#### WINNERS

- Shuttle Badminton [Men]
- Tennis [Women]
- Table tennis [Men]
- Table Tennis [Women]
- Cricket [Men]
- Handball [Men]

#### RUNNERS UP

- Kabbadi (Men)
- Fencing (Men)

#### THIRD POSITION

- Basketball (men)
- Roll ball (men)
- Roll skating (men)



### Other Inter Collegiate Tournaments Won

- Winner All Kerala Kabaddi tournament at SH College, Thevara.
- Runner up All Kerala handball tournament at SH College, Thevara.
- Runner up of inter collegiate basketball tournament at Chalakkudy.
- Runner up of senior district basketball tournament.
- Runner up All Kerala handball tournament.

This year 5 students represented India, 48 represented M.G. University and 33 in Kerala state in various games. Sijomon Joseph and Salman Nizar of III BA represented the Kerala Renji Cricket team. Shinas Hashim of I M A Sociology captained the Mahatma Gandhi University cricket team along with seven other college players which won the south zone inter university cricket championship after 35 years. Gayathry Shankar [II BCom ] and Maria Roney[IIIBCom] ranked first in the Tennis and Table Tennis respectively in the state. Arjun M.R [III Bcom CA] has selected to represent the senior Indian Badminton Team for various inter-national tournaments. Nidhin Sudhi of I B A sociology secured gold medal in the All India Fencing Championship. Suriya S I BCom won the silver medal in the All India Throw ball championship. Ashique Dharvesh of III BA represented India in the Asian beach handball at Dubai.



During the year 2016-17, our college has secured 336 points and secured II position in the Beat Performing colleges in sports in the University.

Apart from organizing the M.G. University south zone basketball championship, department has conducted All Kerala Inter collegiate Kabadi, Handball and Football tournaments this year. New weight training centre, exclusively for players has been completed. The indoor facilities for the volleyball and shuttle badminton are in progress.

All India Senior Inter State Ju-Jitsu, a martial art championship has been conducted in association with the state association from 1-4, February . Inter-murals and annual sports day were organized with large participation of the students. This year onwards every department has assigned a faculty as mentor for monitoring their academic performance of the sports men and women.





## Department of Physics

### Faculty Achievements

Dr. Sumod SG set up a new research lab in the Dept in collaboration with ISRO through a research grant of 30 Lakhs. Dr.Sumod S.G received Young Scientist Award 2017 from Kerala state. Dr. Pius Augustine received best poster presentation award in 9<sup>th</sup> International Conference on Materials for Advanced Technologies (ICMAT 2017), held at Singapore. He also selected as mentor for RBPT workshop conducted all over India. Dr.Jimmysebastin selected as mentor for RBPT workshop conducted all over India. Dr. Roby Cherian represented our college for 2016-17 Environmental protection and energy conservation

activities and bagged first for presenting the same on 25 August, 2017. Dr. Roby Cherian gave a talk on “Career aspects in Physics” on 15, Dec, 2018 at St. Xaviers College Aluva as part of Science week.

### Activities : Academic - seminar, workshops, conferences

Department of Physics, Sacred Heart College, jointly with Indian Institute of Science Education and Research (IISER) Pune and the British Council, organized four days Research-Based Pedagogy Training (RBPT) workshop for graduate and postgraduate science teachers across India from October 11-14, 2017. The workshop was completely funded by IISER Pune, MHRD, DBT and British

Council and was conducted by a team of trainers from the Sheffield Hallam University, UK The department incorporated RBPT Method of teaching in various classes.

The department conducted Inspire Camp from Jan 9-13, Jan,2018 (200 +2 Students participated in the Internship Camp). Talk by our Alumnus Dr. Manoj Rama Varma (Senior Principal Scientist, NIIST Trivandrum) – “Enjoyment in Physics” for the MPhil, PG and final UG students was organised on Dec 21, 2017. This year Launched Prof. P.V Chackkunny Endowment for the Best M.Sc Project – Initiated by the family members of Prof. P.V Chackkunny. A talk on Supermoon by Dr. P S Shobhan was held on 30-01-18. An invited talk on “Interference and Diffraction using Laser”, IAPT by OSKS Shasthri was arranged on 16.01.2018.

### Extension or outreach

On the occasion of National Energy Conservation Day (Dec. 14, 2017), a rally was conducted to spread the message of energy conservation.



### Awareness Class -1

An awareness session was organised by the department on NECD for the public and more than 80 members attended the event. It was inaugurated by the corporation ward councillor, Ms. Elizabeth teacher. The main lecture was given by Dr. Mathew George. This was followed by questions and discussions. The Urjakiran booklet was distributed to the audience. It was decided to hold an LED making workshop, as a follow up program of this event.



## Awareness Class -2

The second awareness session was conducted under the auspices of Snehatheeram Resident's Association. It was attended by more than 100 participants, including those from neighbouring residence associations. It was inaugurated by Mr. C K Peter, the corporation ward councillor from the area. Rev. Dr. Prasanth Palackappillil, principal SHC felicitated the event. The local KSEB office gifted CFL lamps to the participants. The main lecture was given by Dr. Mathew George. This was followed by questions and discussions. The electricity bill details of all gathered were collected. A data form was distributed for the monitoring of daily power consumption. A demonstration of (i) live power consumption by a table fan and (ii) the need for lighter paint colors in rooms was given after the lecture. A follow up program is planned to evaluate the power consumption monitoring and to discuss the results in addition to an LED making workshop.

Two awareness lectures (one at PanditKaruppan Hall, Thevara, Kochi and the other at Snehatheeram Resident's Association) concerning energy efficiency were given by Dr. Mathew George under the Urjakiran program by Kerala State Government.

## Students' Achievements

**MERIN JOSE:** She belongs to the 2011-14 BSc Physics and 2014-16 MSc Physics (which happens to be the 1<sup>st</sup> Autonomous PG batch). Her mentor during all this period was Dr.Siby Mathew. Merin cleared National level exams : JEST exam with rank 104 and GATE exam with rank 83. She is now doing her PhD at IIT Madras from 2017 in the field of soft condensed matter titled "Field driven self-assembly of anisotropic soft colloids". Her Guide at IIT Madras is Dr.Dillip K Satapathy.



**Vrinda Narayanan P:** [2011-14 BSc Physics and 2014-16 1<sup>st</sup> Autonomous MSc Physics batch student]. Dr.Siby Mathew was her mentor during both the period of study. Vrinda cleared National level exams : JEST exam with rank 310. She is now doing her PhD at IISER Pune since 2017 under the guidance of Dr.Atikur Rahman in the field of Quantum transport in nanoelectronic devices.

**Gayathree M Vinod:** She belongs the first Autonomous 2014-17 B.Sc Physics Batch. Dr. Roby Cherian was their class mentor during this period. Gayathree cleared the JAM exams with a rank of 412 and she had also cleared most of the national level exams held at various central universities. At present she is doing her integrated M.Sc PhD at IISER Trivandrum since August 2017. She had remained the topper in all the theory papers and practical's during her period of study at SH. She has the record of claiming most department awards for academic excellence for the UG course.

**Ajin Joy:** He belongs the first Autonomous 2014-17 B.Sc Physics Batch. Dr. Roby Cherian was their class mentor during this period. Ajin cleared the JAM exams with a rank of 675. At present he is doing his M.Sc at NIT Jaipur since August 2017. Ajin was ranked under 100 in the all india IAPT physics exams during his first year of his study. He was the college union chairman in his last year of study 2016-17 and even in the midst of extra curricular activities during this period he made a point to do well in the exams and also clear the national level JAM exam.

**SreenivasanK.R :** He belongs to the UG 2013-16 batch. It was the last UG batch following the MG university exam pattern. Asso. Professor V. M. George was their class mentor. He was cleared 2017 JAM with a rank of 625 and is currently doing his M.Sc at CUSAT Kochi since August 2017.

New Optoelectronics lab was inaugurated. Interaction with renowned alumnus Prof. Thomas Thudath of Buffalo University, USA with the faculty members of physics department was held.

**Obituary:** Our former faculty member Prof. P. V. Chackunny departed this life.

## Department of Sociology

The Fresher's Day for the newly joined first year degree students was held on 29 June 2017. The function was inaugurated by Prof. Benny Varghese, HOD, he also gave them a briefing on the activities of the department. The formal function was followed by the cultural programmes and games conducted by the second year and the third year students.

### Competitions

The intra-departmental Thematic Appreciation Test was conducted by the 3<sup>rd</sup> year degree students of our department on 28 June 2017. The students were shown certain pictures and were given time to develop a story based on the same. Stebin Mathew of 2<sup>nd</sup> DC secured the first prize, Krishna Unni of 2<sup>nd</sup> DC secured the second prize and Kripa Maria of 1<sup>st</sup> DC secured the third prize.

Our department conducted an intra-departmental Elocution Competition on account of World Population Day on 11 July 2017. Students of all the three batches actively participated in the competition. R Aiswarya of 3<sup>rd</sup> UG secured the first prize, Krishna Unni of 2<sup>nd</sup> UG secured the second prize and Sarath S of 3<sup>rd</sup> UG secured the third prize.

### Activities

Fr. Abraham Kallarackal Memorial Seminar on 'Scripting the Nation : Critique On Nationalist



Discourses' was held on 4<sup>th</sup> October 2017. The session was inaugurated by Rev. Fr Prasanth Pallackapillil, Principal of our college. The resource person for the session was Dr. Sunil P Ilayidom, an author, public intellectual and critique in the Malayalam literature. He is known for his writings and lectures on politics, literature, art, epics and culture. He is the recipient of the Kerala Sahitya Academy Award.

The UG students of our department organised a talk on 'Adolescent Depression' on 6<sup>th</sup> November 2017. The resource person was Dr. Aswin Krishnan Ajit, MD Psychiatry, Renai Medicity, Kochi. He gave insights on the causes and effects of depression among the youth. The talk helped the students to avoid all the misunderstandings regarding depression. Further, it was followed by an interactive session.

The 3<sup>rd</sup> year UG students of our department visited St. Thomas Home for Destitute, Perumanoor on 18<sup>th</sup> June 2017. The students did manual labour like cleaning the home. Students also volunteered the Eye Camp conducted by the same organisation on 23<sup>rd</sup> June 2017. They also visited the tribal village of Muthuvan community in Aanakullam, Idukki, as part of their outreach programme. The students interacted with the villagers there and distributed study materials to the children. Later, the programme was followed by a nature study trip in and around Idukki.

The first year UG students, as a part of their Social Outreach programme conducted a visit to The Government Home for Destitutes at Thevara Ferry on 17 December 2017. The student community also engaged the inmates in a session which consisted of cultural programmes including dances, songs, discussions etc and actively involved the members of the house.

The PG students of our department organised a seminar on 'Sociology of Divorce' on 19 July 2017. The resource person of the day was Adv. Sindhu Gopalakrishnan, resource person of UGC and KELSA panel member. The talk served as an eye opener to the legal aspects as well as grounds related to teeming divorce in the young world. Her personal experiences



added colour to the seminar which made the session lively. The session came to an end with a vibrant interactive session. The PG students also organised a seminar on Gender relations on January 5th with special emphasis on The Male Perspective on Gender identity. The talk was delivered by noted Media Celebrity Shri. Rahul Easwar followed by a discussion on the same. The seminar was Inter Departmental and ensured participation by students of all departments.

The Kerala Sociological Conference was held from Dec 10 -12th and 35 students of the department actively participated in the same and 9 of them presented papers on the theme 'Cultural Identity and Discourse' and many of these papers received special mention for their high degree of sociological significance and contemporary relevance. The Annual Report of the department was presented before the community of Sociologists from Kerala.

## Department of Zoology

### Activities for the year

World Tiger Day celebrated in Association with Social Forestry, Kerala Forest Department, Shri Amit Malik, IFS, APCCF was the resource person. Inter collegiate competitions was conducted and 10 colleges participated. Dr. Sujith Kurian Joseph, Alumnus and Researcher from Texas, gave a general talk on 'Immunotherapy for Cancer cells'. Dr. Joe K Kizhakkudan, Alumnus and Scientist from CMFRI, Chennai inaugurated the annual Department Fest GENYSYS, 2018, 12 colleges participated and SH college emerged as overall champions. Department extension activity of the year was reaching out to Kudumbasree workers, where a class and hands on training on Vermicomposting was delivered by Mr. Biju from the welfare society, Ponnurunni.



BSc. Students are given training in Pisciculture, Apiculture, Quail farming, Cuniculture and vermicomposting. The department proposes to start M.Phil and M. Sc Zoology as self financing courses and it has been approved by Academic Council. Mentoring for undergraduate students are conducted regularly.

### Faculty Achievement

Dr. Moncey Vincent attended Bioinformatics workshop. Raagam P M attended Refresher Course at CIFT. Dr. Mathew. M. J. published 3 international and 1 national papers. He delivered 3 invited talks in Pune, Chennai and Muvattupuzha respectively, attended conference in China and judged competitions in an IT Fest.

### Students' Achievements

2 students cleared JRF, 2 cleared Net and 2 students cleared GATE. Sreedevi. M. S., of II B. Sc Zoology went to Juniata College on Student Exchange programme. Anjana.A. of III BSc. and Bilal Muhammed of II BSc (Dept.Quiz Team) secured 3 first positions and 1 second position in the inter collegiate Quiz competition held at various colleges of the universities in Kerala.

### Obituary

Stalwart and Retired Prof. N. Appukuttan of Zoology department passed away in the month of November and a condolence meeting was held in the college as a mark of respect and to cherish his services to the college.



# AICUF



A meeting was held on June 3<sup>rd</sup> at AICUF center Trivandrum where there was a general discussion on the last year activities. A year plan was prepared. On July 8, the executive panel members for AICUF-SH College were selected. The executive panel for the Ernakulam zone was elected on July 15. Joseph Joy (II DC Botany) of SH College was elected to the panel. The executive panel for the state was elected on July 29 and Joseph Joy (II DC Botany) of SH College was elected as a panel member. A leadership training camp was organized on August 29 at AICUF center Trivandrum which instilled a sense of humanity and a quality of leadership in the participants (**4 student participants from SH College Unit**).

AICUF SH unit organized a lake cleaning work in the month of October. AICUF State Panel meet was organized at SH College on 21 October. AICUF SH unit organized a blood donation camp on Nov. 18 in association with HDFC bank and IMA. About 44 students donated blood in this event. A session on first aid was held in association with SWASTI in the month of December. On 27<sup>th</sup> of the same month a tribal exposure camp was held at Attapaadi. The students were able to know more about the lives of the different tribes and the problems that they face (2 participants from SH Unit). MAGIS an international group had conducted a spiritual retreat at Loyola College, Chennai. MAGIS SOUTH ASIA 2K18. There were a total of 900 participants. 30 Kerala AICUF members were invited for the same. One student of SH college had participated for this retreat. A fund collection was held in most of the colleges in Kerala in which AICUF is active. The collected amount was given to the Ockhi victims at Poonthura. Our Unit also contributed to this. Our unit is proud that we could supply about 40 bottles of blood this year, so far, to the nearby hospitals on request.

## Bhoomithrasena Club

### ENVIRONMENT DAY- 2017

In connection with world environment day, Bhoomithrasena club organized a seminar and intercollegiate competitions (elocution, painting, poster quiz ) based on the focal theme “Connecting People to Nature”. The seminar was inaugurated by Dr. Shijo Joseph ( Scientist E1, KFRI). The seminar was sponsored by KSCSTE.

### WORLD OZONE DAY OBSERVATION-2017

In connection with World Ozone Day celebration, Sacred Heart College, Thevara in collaboration with Kerala State Council for Science, Technology and Environment (KSCSTE) organized various programs which included poster making competition, quiz competition, signature campaign and rally etc. on 25 and 26 September, 2017. Dr Linto Alappat (HOD, Dept. of Geology, Christ College, Irinjalakuda) inaugurated the seminar in the Marian Hall of Sacred Heart College. Dr.Prasant Palackappillil CMI (Principal) presided over the function. Dr. T James (Director, Centre for Environmental Science, SH College, Thevara), Dr.K.B.Jose (Science Dean, SH College) and Prof.Midhun Dominic (Coordinator of seminar, S.H College) were present in the function. The focal theme “Caring for All Life under the Sun” was highlighted for talks and discussions.

### ONE DAY TRAINING PROGRAM

A one day training program was organized for all Mid-Zone BhoomitraSena Club members and their Faculty in Charge (FIC) at St. Xavier’s college, Aluva, on 25<sup>th</sup>



November 2017. The training was organized by Kerala government with the help of Department of Climate Change. The training was inaugurated by Padma Mehanti, IFS (Director, environment and climate change)

### ORGANIC FARMING

The corridor adjoining the chemistry lab of SH College, Thevara was cleaned by Bhoomitra Sena Club members on 22 December ,2017 to start organic farming. The group led by Sr. Shini (2<sup>nd</sup> B.Sc. Zoology) were successful in sowing the seeds to promote organic farming.

### PAPER BAG MAKING

To highlight the importance of recycling, the BhoomitraSena Club, SH College, Thevara, organized a class on paper bag making at the food chemistry lab on 21<sup>st</sup> December 2017. The class was handled by Ms. Devika (M.A.Economics). The students utilized old newspapers and chart papers to make the bags and the class was successful in achieving its purpose.

### TRAINING IN CAGE FISH FARMING

The BhoomitraSena club members organized an invited talk on cage fish farming on 5 December, 2017 at Melesius Hall, SH College, Thevara. Dr.Imelda Joseph (Scientist, CMFRI) was the resource person. Inspired by the lecture, a visit to cage fish farm at Moothakunnam along with CMFRI officials Mr. Suresh and Mr. Prasad was organized on 16<sup>th</sup> December 2017. About 40 students participated in the event.

### WORLD WETLANDS DAY -2018

In connection with world wetlands day, Bhoomithrasena club and EVS dept. organized a seminar and a poster competition on Feb 2. “Science and technology for sustainable development” was the focal theme. Dr. Kripa ( Scientist, CMFRI), inaugurated the seminar.

About 40 students participated in Paddy cultivation at Arayankavu. Dr. I'ma was the resource person on “Training in Mushroom Cultivation”. Around 40 students participated.



## Dance Club

The official inauguration of dance club activities was held in college auditorium on 12 December 2017. Principal Fr.Dr.Prasant Palackappillil inaugurated the function. Dance club co-ordinator Dr.Lakshmi Priya, college union chairman Hari, Arts club secretary and Dance club Secretary were present in the function. The club conducted an inter-department Dance competition on the same occasion.

Our college team bagged prizes in various inter college competitions conducted in different part of the state which includes: meshuggah (St. Paul's, Kalamasery), shikara (Alphonsa, Pala), nirthya (Bharat Mata, Kochi), D2D (St. Joseph, Pala), idam (UC College, Aluva), tandav (CMS, Kottayam)



## Nature Club

Prim Rose nature club of our college is where the young minds are given opportunities to know and feel the nature and to enjoy the nature. It helps them to be more aware about the nature and its importance in our life. Most of the programs that we had conducted were to explore the wonders of the nature and this invoked the young minds.

### Activities

1. There was a photo exhibition by Dr. Giby Kuriakose on sixth June 2017 in connection with World Environment day.
2. The preparation and distribution of 'Karkidagakanji' among students. The planting of 'Desapushpam' (ten selected flowering plants) along with chart exhibition depicting traditional medicines and knowledge. We had conducted it on 2-08-2017 in the college portico and father principal inaugurated the program.

3. Nature club members had volunteered in freedom for river rally on August 15.

4. The club held many competitions in relation to the wild life week celebrations on September 25.





Competitions including pencil drawing, water color, and essay writing. A ten member team had attended inter college competition held at Maharaja's college in relation to wild life week celebrations conducted by department of Forest and Wild life Kerala. Our students had acquired second position in quiz competitions.



5. In collaboration with CNRM, Primrose nature club organized an inter college and school seminar, quiz competition and poster designing competition in connection with the world wild life week celebration in our college on sixth of October. There were two classes, one lead by Dr. J. Jemson and another by Mr. Basil Peter. There was a photo exhibition of birds by Basil Peter. Students from different schools and colleges participated in the program.

6. Dr. Anoop Das of MES College Mampad, inaugurated "Birds Club", a sister movement in our college on December sixth 2017.

## Quiz Club

The Heartian Quiz Club is run by a group of curious students. The club has 25 active members. The club members frequently participate in quizzes happening across the state and bring laurels to the college. The club meets unfailingly on all Fridays to discuss miscellaneous matters, interesting facts and happenings around the world. The Club also conducts topic-specific quizzes on various festive occasions and important days.

The Staff Coordinators of the club are Jeet Kurian Mattam, Assistant Professor, Department of Mathematics and Dr. Ramakrishnan, Assistant Professor, Department of Chemistry. We also have renowned Quiz Master Siby Abraham, Assistant Professor, Department of Economics and Midhun Dominic, Assistant Professor, Department of Chemistry, as observers.

We began the year by participating in World Quizzing Championship 2017 and Reverberate 11.0 Quiz Festival from June 2 to 5, 2017 at Malabar Christian College, Kozhikode. Four students, Bejoy Sebastian (Third year BA Economics), Ajin Babu (Third year BCom Tax Aided), Muhammad Bilal P.A. (Second year BSc Zoology) and Siddharth PK (Second Year Sociology) represented the college in the festival.

In the meeting held at 09 June, 2017, Friday we discussed the questions of World Quizzing Championship. Bejoy Sebastian (Third Year BA Economics) was elected as the Coordinator of the Club and Muhammad Bilal PA (Second Year BSc Zoology) & Abhinaya Kamath (Second Year BSc Physics) were selected as Assistant Coordinators. Angeline of Second Year BA Economics was selected as Finance Coordinator for the academic year.

Our next initiative was an Open Quiz on Nature titled 'Ividem Swargamaanu' in association with Bhoomitrasena Club which was held on July 07, 2017.

Next, we conducted an Independence Day-related Open Quiz on August 14.

Club members, Angelin of Second Year Economics & Siddharth PK of Second Year BA Sociology had secured Second Prize in a Quiz on Indian Freedom Movement held at MES College, Marampally, Aluva.

On August 30, we conducted an Onam-related Open Quiz titled 'Kerakeli'. On September 9, the Club members visited Jews Street and Pardesi Synagogue at Mattancherry.

On September 15, we conducted an Open Quiz in connection with International Day for the Preservation of Ozone Layer in association with the Bhoomitrasena Club.

On December 15, we conducted an Open Quiz in connection with Christmas Day titled "Joy Bells"

Club member, Muhammad Bilal PA, was part of the teams which won various quizzes hosted by the departments of Zoology at St Joseph's College, Irinjalakuda (12 December, 2017), SB College, Changanassery (10 January 2018), CMS College, Kottayam (13 January, 2018) & Baselius College, Kottayam. (20 January 2018)

Club member Bejoy Sebastian was part of the Bible Quiz team, which secured First Prize at Christ University, Bengaluru on 06 January, 2018.

Club members Ajin Babu, Bejoy Sebastian and Siddharth PK secured First Prize at a General Quiz held at Naipunnaya International Academy, Renewal Center, Kaloore on 20 January 2018.

Bejoy Sebastian & Ajin Babu secured Second Prize at a General Quiz held at Assumption College, Changanassery on 30 January 2018.

Ajin Babu & Siddharth PK secured Second Prize at a General Quiz held at St Teresa's College, Ernakulam on 03 February 2018.

By bringing laurels to the college, The Heartian Quiz Club continues to be one of the most active talent clubs of the college.

## SADAS

Students Against Drug Abuse, Alcoholism and Suicide (SADAS) is a service club of the college focused in changing the society for the better. The club was officially inaugurated by Mr. Rishiraj Singh IPS and the function was followed by an interactive session with him. To welcome the freshers, a camp was held on 26th August, 2017. The members of SADAS took part in a magazine writing competition conducted by the Excise Commission, Thiruvananthapuram in which our magazine 'Kettu' won the first place both at State and District level. The members also took part actively in many competitions such as dance against drugs, poster designing, PowerPoint presentations, etc. This year the Students Awareness Program (SAP) was conducted in association with Malayala

Manorama's Balajanasakhyam, in which students took classes in schools in and around Ernakulam. The tag line of SADAS is not 'Say no to drugs' but rather say 'Yes to life'. For the past 30 years, SADAS has been trying to keep our motto by trying to curb life abusive practices and to stay Addicted to Life.

## Sample Survey and Analysis Wing

National statistics day was celebration June 29, 2017. Sample Survey and Analysis Wing (SAW) conducted a workshop on Statistical analysis using excel and R for BSc computer applications students on 5 January, 2018.

## Speakers' Forum

Speakers' Forum under the leadership of Dr. Abi T G and team, organized the prestigious **Sargapatham 2K17** on 26 and 27 September, 2017. The literary pentathlon starts with with symposium on "Privacy a Fundamental Right". Dr Alexander Jacob IPS, Adv Harish Vasudevan and Sri CR Neelakandan were the invited speakers. Students from 21 colleges contested in 5 literary events. Mar Evanious College Trivandrum secured over all championship and SH Thevara secured the runner up position.

On August 11, Speakers Forum in association with ISHA foundation organized debate and audio visual presentation focused on river protection. Speakers Forum organized open forums on the topics, "Threat to Secularism", "Industrialization or River protection" and "Legalizing homosexuality" on August 11, September 22 and December 8 2017 respectively.

On July 30, 2017 Speakers forum organized inter departmental essay writing, book review and magazine competitions. On December 11, 2017, Forum organized the audition of "Just a minute" programme by Mazhavil Manorama channel. The prestigious Chavara Central zone elocution competition was held on 7 February, 2018 under the leadership of Speakers Forum.

Members of the speakers forum is regularly participating in intercollegiate / inter university elocution/debate competitions organized by various institutes across Kerala and winning prizes.

## SWASTI

1. WOMENS DAY- 8 March: Various posters related to women empowerment were put up in the portico by the swasti members. A talk on the topic 'Be bold for a change' was conducted by prof. Asha Achi Joseph, HOD, SH School of communication.

2. PASSAGE - 29 August: SWASTI under the sponsorship of Eastern group organised a one hour interactive session with the celebrity entrepreneur Ms Poornima Indrajith. Her story of success in film industry and entrepreneurship was an inspiration for the heartians.

3. PAPER BAG MAKING: Taking a step forward to being ecofriendly, paper bag making was taught to the members of swasti by Ms Usha from Fevicryl company.

On the 5th of October a training on paper bag making was given to the Age-Friendly students by the Swasti members.

4. AARTHAVAYAANAM - 30 November: SWASTI in coordination with the Sustainable Menstruation Kerala Collective and Red cycle, conducted an awareness event on promoting sustainable menstruation. Ms Kavya Menon and others from the group gave a talk on the social stigma related to menstruation. The volunteers of the SMKC introduced some ecofriendly, reusable products to the students. It was followed by an interactive session.

5. FIRST-AID AWARENESS- 4 December: An initiative by SWASTI and NSS. A powerpoint presentation, educating the students on the important firstaid techniques was organised by the doctors from the Lakeshore hospital and the Rotary club volunteers. A detailed class on the CPR life saving technique was conducted, followed by four practical sessions.

6. RESTROOM CLEANING- 19 January: The ladies' restroom was renovated and cleaned by SWASTI members. Around 45 members took part in this service programme.

7. ZUMBA for a cause- 31 January: SWASTI and the age friendly group organised Zumba fitness class in association with the college union. Zumba trainer, Miss Poornima energised our students and the age friendly batch with some Zumba moves.

## Tourism Club

**Student Strength** - A total of 75 students ( Dept of English-10 Students; Dept of Economics- 10 students; Dept of Chemistry-10; Dept of Commerce-30; Dept of Botany-5; Dept of Zoology- 5)

**Social Outreach** Tourism Club activities started with a visit to the Home of Destitutes at Perumanoor on July 6, 2017. Students interacted with the members and also conducted cultural activities. A total of 65 students participated in the programme.

The tourism club conducted a 'Travelogue' writing competition where in the students were asked to write on their exciting travel experiences in connection with World Tourism Day (27 September).

**In collaboration with DTPC**, (District Tourism development cooperation Ernakulam), the club conducted a painting competition on the theme 'Anti-Drugs'. The club members also participated in dance competition conducted by DTPC on the Theme, "Dance against Drug and Alcohol".

The club also conducted an online photography competition.

**Paper Presentation**- Under the guidance of Dr. Radhika. P.C, two group of students (Neema Hussain, Anakha Sara Paul, Dan Antony and Jithin Pandiath) of Second B Com travel and Tourism presented two papers in the International Conference on Commerce and Management in the Changing Times organized by Post Graduate Department of Commerce, Maharaja's College.

## NCC NAVAL WING

NCC Naval wing began its activities in the 2<sup>nd</sup> week of July, enrolling 20 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 26 SDs and 24 SWs in our subunit.

Senior Cadet Captain JUGAL VIPUL VED attended Youth Exchange Programme held at Kazakhstan from 14 May to 26 May 2017. He was selected for 29 SSB Course held at OTA, Kamptee and was adjudged as THE MOST ENTERPRISING CADET of the course. Cadet KEERTHANA SANTHOSH participated in the All Kerala RD Inter-group Competitions held at Trissur. On 26 January 2017 Cadet KEERTHANA SANTHOSH was a part of Republic Day Parade at Delhi, representing NCC Naval wing from Kerala and Lakshadweep Directorate. She also participated in PM rally. Leading Cadet Merin Augustine and Cadet Kirandas were selected for ALL INDIA YACHTING REGATTA representing Kerala and Lakshadweep Directorate which was held at INS Chilka. Seven cadets Sreejith KS, Merin Augustine, Keerthan Santhosh, Sandra Jimmi, Neethu Joseph, Anand Menon and Kirnadas P S attended All Kerala NSC IGC held at Kollam. Leading Cadet Karishma Gupta was selected for SSB Course held at OTA, Gwalior in the month of December 2017. Leading Cadet Merin Augustine was selected for Advanced Sailing Training held at INWTC, Goa in the month of December 2017.

Cadet Captain Sreejith had participated in the Advanced Leadership Camp held at West Bengal. PO Cadet Krishnadas and Leading Cadet Sneha Paul attended SNIC Jaisalmer, Rajasthan in November 2017.

Three Cadets, PO Cadet Savio M, Leading Cadet Karishma Gupta and Leading Cadet Sreepriya attended NIC Chamba in the month of July 2017. Leading cadet Amal Kurian, leading Cadet Greeshma Shaji and Cadet George Joseph attended NIC Chertala, Kerala in the month of September 2017. Five Cadets, Cadet Ransom George, Cadet Steffy Mol, Cadet Athul Joy, Cadet Binoy T D and Cadet Leon Nobel attended NIC Namchi, Sikkim. Cadet Nitin Singh Mahela took part in Ship Attachment camp held at INS Venduruthy, Kochi. Six cadets, CC Sreejith K S, POC Krishnadas, Leading Cadet Merin, Leading Cadet Greeshma, Leading Cadet Sneha Paul and Leading Cadet Sreepriya took part in Scuba Diving Course held at Naval Base Kochi. Thirteen Cadets attended ATC Lakshadweep in January 2018.

29 Cadets attended Annual Training Camp at Chinmaya Vidyalaya. They won individual and group prizes in various sports and cultural competitions. A blood donation Program was conducted at Kochi, and all the cadets who were capable took part in it. Cadets showcased Great Spirit by participating in various campaigns and Pathayathra conducted in Sacred heart College Thevara along with Bhoomithrasena club.

### Paradigm program

NCC Naval Wing of Sacred Heart College, Thevara and 7(K) Naval wing NCC Ernakulam have jointly organized a programme PARADIGM on October 2, 2017 at 10.30 AM. This year, the programme was inaugurated by renowned actor and add film maker Sijoy Varghese. Fr. Prasanth 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.

As a part of Swachh Bharat Abhiyan along with Army & Air force wing NCC Cadets we conducted a cleaning programme in and around the college.



## NCC ARMY WING

The activities of NCC Army Wing for the training year 2017-18 was started with a new zeal and it was inaugurated by our Principal, Rev. Dr. Johnson X Palackappillil CMI, on 15 August 2017. 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 2017-18. CUO Suvidith K of 3<sup>rd</sup> BSc Mathematics and was appointed as the Company Senior Under Officer. SGT P C Gayathri Sasikumar of 3<sup>rd</sup> BSc Zoology and SGT Renjith S P of 3<sup>rd</sup> BSc Chemistry were appointed as Company Under Officers. NCC Army Wing was a part of almost all events of the college.

### Events

This year 46 cadets were enrolled in our wing on 18 July 2017 adding to a total of 108 cadets. We were able to conduct 17 ½ parades along with a 2 day Mini-camp this training year. On 5 June 2017 as a part of the Environment day our cadets planted saplings at Shanthi Nagar and conducted an awareness programme along with a career guidance class on defence. A quiz competition was also organized. On 21 June in connection with International Day of Yoga, cadets took part in Yoga meditation programme conducted in our college. On 10 August our cadets participated in a First Aid Class organized by Aster Medcity Hospital which was on the topic "CPR for different aged people".

On 15 August, 7 of our cadets participated in the Independence Day parade held at Kakkanad. Our cadets participated in a Green Rally organized on 15 September by the Green Club of our college. Combined firing and parade was conducted in our college on 18 November 2017 in which 5 colleges participated. A two day Mini-camp was organized by us on 2 and 3 of December 2017 in which all our cadets participated with great enthusiasm. Most of the topics of NCC like Weapon training, Map Reading and Rifle drill were covered and we were able to give a basic idea of camp life to our cadets.

In connection with Vigilance Awareness week, DMRC, Kochi conducted an essay writing competition in

which First and second prizes were secured by our cadets. NCC Army Wing observed 7 December 2017 as Armed Forces Flag Day. We collected contributions from the staff and students of the college for the Defence Welfare. Our Cadets took part in the cleaning and awareness programme "*Suchitwa Bodhana Yanjanam*", with full vigour and strength on 11<sup>th</sup> January 2018 at Shanthi nagar. On 15 January 2018 as a part of Army Day we conducted a Rally to our Battalion. Three of our cadets participated in the ADG guard held at group HQ, Ernakulam. Four of our cadets participated in Republic Day Parade, Kakkanad on 26 January 2018.

### Camps

It is a matter of pride and satisfaction that boys and girls of our company showed their caliber by competing with others in various camps. CUO Renjith S P of 3<sup>rd</sup> BSc Chemistry attended SNIC, Kavaratti, Lakshadweep. CSM John Ponnann Joseph of 3<sup>rd</sup> BSc Zoology attended Indian Military Academy attachment at Dehradun. CDT Rony Roy of 2<sup>nd</sup> BSc Botany attended NIC-Alappuzha. LCPL Stebin Mathew of 2<sup>nd</sup> BA Sociology and CDT Salman Ulfrase of 2<sup>nd</sup> BSc Mathematics attended AP-Trek, Tirupathi. LCPL Brijith Jacquelin of 2<sup>nd</sup> BA Sociology participated RDC-IGC at Thrissur. CSM J Sowmya Bhakthan of 3<sup>rd</sup> BA Economics and LCPL Ankit Kumar A of 2<sup>nd</sup> B.Com Tax (SF) attended NIC-Warangal. Four of our cadets participated in Army Attachment Camp at Pangod, Trivandrum. CSUO P C Gayathri Sasikumar of 3<sup>rd</sup> BSc Zoology attended YEP-Bangladesh and CSUO Suvidith K of 3<sup>rd</sup> BSc Mathematics attended YEP-Nepal. 61 cadets of our college participated in CATC's held at Vaikom and Velloor.

This year 33 of our second-year cadets are appearing for the Part B Examinaton and 28 third year cadets are appearing for their Part C Examinations.

## NCC AIR WING

Flying Officer Dr. Joseph George, Associate NCC Officer (ANO), NCC Air Wing came first in the order of Merit in the 44<sup>th</sup> Senior Division Refresher Course held at Air Force Station, Chennai (1 May 2017 to 9 June 2017). The activities of NCC Air Wing started in the month of July for the academic year 2017 - 2018 with the enrolment of 29 cadets from first year UG students. Flying started in the month of August 2017 and all the third and second year cadets completed their flying. Seven cadets of our college participated in the Annual Training Camp (ATC) held at St. Mary's High School Thalacode in the month of September.

As a part of Swatch Bharat Abhiyan, cadets celebrated Swatch week in September and conducted various competitions such as poster writing, essay writing etc. Cadets were also engaged in various cleaning activities throughout the week. CSUO Priyanka Subash was selected as the Air Wing Best cadet of Kerala and Lakshadweep directorate and she represented Indian

NCC in the prestigious Youth Exchange Programme (YEP) to Bhutan in the month of December 2017.

Air Wing Cadets actively participated as Volunteers in the FIFA under 19 World Cup conducted at Jawaharlal Nehru Stadium, Kaloor. CUO Prasoon Das attended Air Force attachment camp held at Dundigal. CWO Deroniya Davis, SGT Shivapriya K. S, CPL Adharsh and SGT Ashwin Joshy attended National Integration Camps (NIC) held at Lakshadweep, Alleppey, New Delhi and Assam respectively. CUO Prasoon Das and SGT Kurian Jacob attended the Annual Leadership Camp held at Trichy. Air Wing accorded a farewell party for the outgoing Commanding Officer Wg Cdr Ganesh Narayanan.

A total of 8 cadets from our college participated in the CATC conducted in Padoor in the month of December.

## National Service Scheme

NSS has always stood up to its strong spirit of serving people keeping in mind the policy of "Not Me but You". Sacred Heart College (NSS Unit No: 31) has been a milestone in the NSS activities of this zone. We work with a vision to create not just graduates but graduates serving for a better society. From the activities of the year, the college got a new dimension and greater heights in the society. We have joined our hands in the successful fulfilment of enormous activities like donation of blood, planting saplings at KURTC bus stand, cleaning of public places like KSRTC bus stand, south railway station, beautification of campus, book distribution to school students, Fort Kochi beach cleaning, self-defence training class, promotion of public transportation, etc. As a part of event SWACHHTA, a central government initiative, we organize a class on cleaning and environment protection. The unit arranged various awareness campaigns against anti-drug and illicit trafficking, a massive protest against the secret deforestation in the Mangalavanam premise, "SAY NO WAR" campaign as

a part of Hiroshima day and numerous other campaigns against the social evils. We conducted a seven-day major camp 'JAIVAM' with a goal to create 'HarithaSaaksharatha' among the natives of Kottayam district. As an appreciation to these activities, we secured third position in M.G University. Moreover, it was a great pleasure for volunteering the FIFA World cup 2017 held at Cochin. Our helping hands reached the Ockhi disaster area, Chellanam at the perfect moment. We thus together create a space to "live and let live."





## International Office

Any higher education institution of repute needs collaborations and linkages with both national and international universities and organizations. Keeping it in mind, the international office of the college entered into discussions with many foreign universities during this academic year. As a result, the office is getting ready to sign an MOU with the State University of Toulouse, France, by the end of this month. As part of the exchange programme between SH and Concordia College, New York,

Ms Nikita Joseph of the Communication department got enrolled for her final year studies at Concordia in the coming academic session. Mr. Joe Joseph and Ms. Rajsree Rajasekheren of the Economics department, who had been selected for the US UGRAD programme, successfully completed their study in the US

universities during this academic year. The international office is awaiting the results of the UGRAD nominations for the coming academic session. As part of our regular exchange programme, four students and two faculty members from Juniata College, Huntingdon, spent one week in the college campus and attended various programmes during the Christmas vacation. One student from Juniata College will attend classes for one semester in the environmental science department of the college in the coming academic session. Three students and a faculty will leave for Juniata College for their one-month exchange programme in the last week of May, 2018. The International office plans to host a delegation of representatives from sixteen major US universities to discuss about academic collaborations on March 15, 2018.







































## Sacred Heart dethrones St Teresa's to clinch crown

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## Music is her lifeline

**Pennsylvania**  
Hardy as you  
going to be hit  
2000  
Avarakanna  
Va. has logged  
the first  
position for  
light rain at  
the MC  
University  
YOUTH festival  
—Annantham



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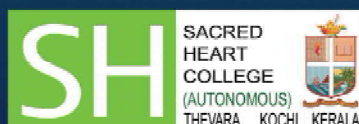
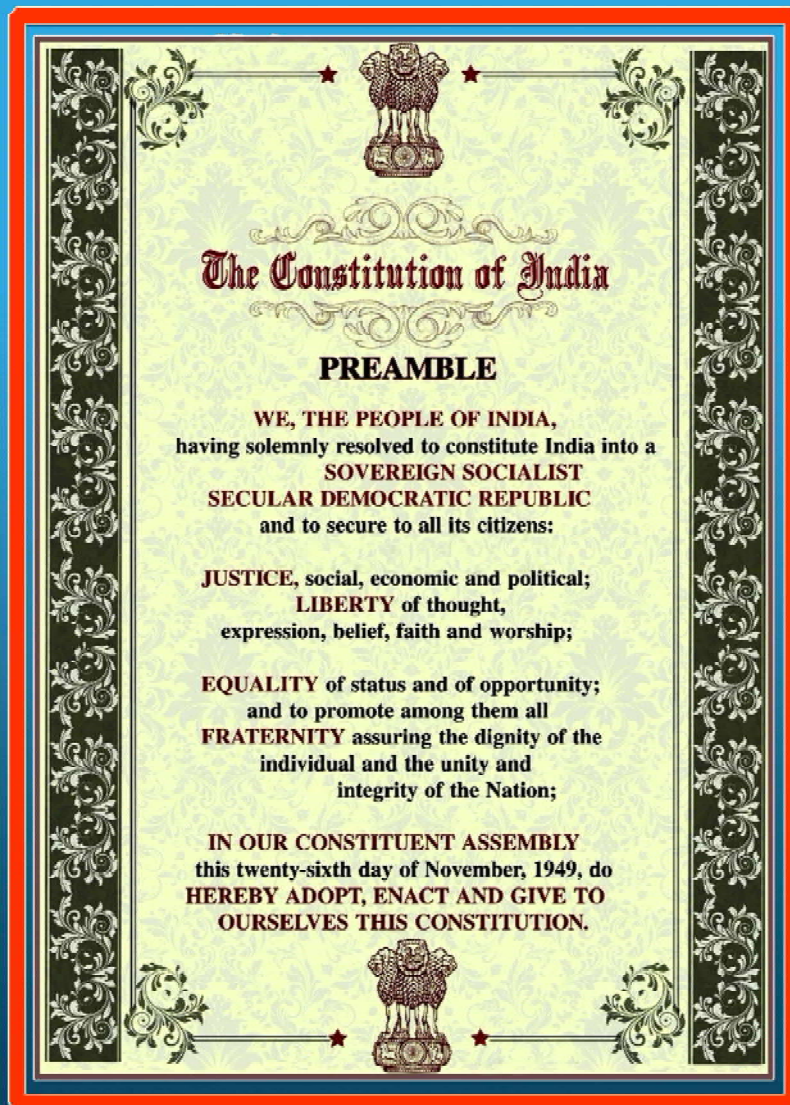












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