

Rector's Message

Dear Brothers and Sisters

I am happy to see the College magazine for the year 2017-18. Hearty Congratulations to the team of editors. As you all know that it has been an eventful year. We began well with the animation of HODs, Staff, Non-teaching staff and new staff at the very beginning of the year. The admissions were completed well in advance so that we could begin the bridge course for the first year students. The number of applications we received is a clear sign that the public have great trust in the College.

We have tried to stand up to the expectation of the society and also staff and students. Every year we add new courses, new infrastructure, new technology and new personnel. The College is marching ahead under the leadership of the Principal, Additional Principal and the office bearers especially the HODs. The objective of giving holistic education to the rural poor is maintained with more vigour. The various events of the year will bear witness to the quality of our services to the young people and also to the neighborhood.

With core values in our heart, we, the Salesians, the Staff members, the non-teaching staff put our best for the welfare of the students. As we recall the major experiences of this year in this magazine, I gratefully remember the Almighty God who has been very benevolent in protecting the Sacred Heart Community, Don Bosco who has been inspiring every step of our growth and all the staff, students and well-wishers of the College for their unstinted co-operation.

May we continue to be the torch bearers in the field of Higher Education in the country.

God bless you all

Rev.Dr.C.Antonyraj SDB
Rector & Secretary

Principal's Message

Dear Sacred Hearts,

With great joy and satisfaction we place this College annual in your hands. The fruits of our efforts proclaim our progress and I would like to thank God for His choicest blessings on this institution in the academic year 2017-18.

Truly the year had been amazing and full of activities and events that are directed towards the growth of our young people. Many achievements have come along the way in our journey. Among the notable ones are the ranking that we received from the National Institutional Ranking Framework (NIRF) which ranked our Institution 95th at all India level, a significant grading we have achieved. Another is the grant that we received from Department of Science and Technology through the FIST programme to the tune of 95 lakhs rupees for upgrading our teaching, learning and research facilities.

Through this magazine we bring to you the memories and records of all the significant events happened in the campus in this academic year and I would like to reiterate that every single achievement of this College is a collective effort of our dedicated staff and students and therefore I whole heartedly thank each and every one of them who constantly worked hard for bringing accolades to this Institution.

At this juncture I would like record the fact that as our institution is getting ready for the next phase of accreditation by NAAC and let us consciously keep Quality as our hallmark. God has been so gracious to us in granting so many added facilities in terms of infrastructure and other resources this year and therefore let us strive passionately towards achieving our noble goals.

As we continue to grow, we will attempt to be creative and innovative in offering the best learning experiences to our students. We will strive to create an environment of excellence and deliver superior services to achieve outstanding teaching and learning inside the campus. When we see lives transformed, empowered and enlightened, we cannot but realize that the dream of our dear father and founder St. John Bosco is being fulfilled through this College in a big way. I pray to Our Blessed Mother Mary, Mother of all and our Father St. John Bosco to bless this Institution in all its future actions and decision so that we will contribute to the ethical, intellectual and economic prosperity of our communities and our nation.

May God bless you all...!

With Prayers and Wishes

Rev.Dr.D.Maria Antony Raj SDB
Principal

Additional Principal's Message

Dear Friends,

Very glad to meet you through the college magazine of the year 2017-2018.

One of the biggest and significant events of the year is the visit of honourable U.Sagayam IAS. It was heartening to see the enthusiasm among you to receive him and hear him. He is not an actor or a celebrity in the glamour business. He is a wonderful human being acclaimed for his simplicity and honesty. It is very encouraging to see the respect he commands from young people like you and the public. One quality that attracts people is rarity. Honesty in public life, which is supposed to be a common virtue, has become a rarity.

His speech was highly motivational. He stressed the importance of change in the individual, which will eventually lead to change in the society. What is the change in the individual that he spoke about? If I may elaborate a bit, it is the consciousness of being good and doing good individually, even if others are not watching us. It is not serving the eyes of others. It is the satisfaction that one receives within oneself, for doing something right every time.

This is one of the important values to be cultivated very early in life at home and in educational institutions. All our education should lead towards such a goal. Here, at Sacred Heart College, Tirupattur, we strive our best to inculcate such values. Two of the core values we stress in the campus are being honest and being responsible. We have gone through one year together in this institution. I hope we have imbibed some of these core values for our personal life. Remember, values we imbibe now are for all our life.

Let's remember Mr.U.Sagayam IAS and speak about his uprightness to others. I wish you such a value filled and satisfied life.

All the best.

Rev. Dr. K. A. Maria Arokiaraj SDB
Additional Principal

Eidtor Speaks

Dear Pals,

Academic year 2017-2018 had its own secrets and success and moments of jubilation and reclusion. The college annual has been brought out this year again with usual vigour and enthusiasm. The articles by staff and the taught evince one's interest as they deal with current issues and topics. The epitome of great Mathematicians in the Mathematical Map of World transports a person to the world of mathematics, the queen of science and leads him to the hall of fame.

The concern for healthcare and significance of humanism is exhibited in the articles also. The abstracts of Doctoral thesis also unmask the scholarly acumen of the researchers. Students have come out with creative bent of mind and many articles from them are didactic in nature.

By going through this annual one could have a vivid understanding of the day to day happenings of the college, which has been the nursery of values and cradle of higher education to the rural students over the years.

The annual of this academic year doesn't fail to capture the yeomen service which arises out of sharing day. The students in unison with the management have drawn fulfilment and bliss by sharing their happiness with the children of government schools, aged persons and the deserted on the streets.

Kudos to the management and students for disseminating the values of Christian humanism and compassion. As the chief editor I profusely thank and appreciate the Principal, the editorial board and all the contributors for enabling us to bringout the college annual on time with quality and fine craftsmanship.

May the Charism of Don Bosco, a haven of hope for the youth, ceaselessly continue. May the college be abundantly blessed by the Sacred Heart of Jesus to reach loftier goals and nobler milestones.

Prof. N. Arul Doss
Editor

Editorial Board

1. Prof. N. Arul Doss
2. Prof. V. Madhan Kumar
3. Dr. G. Mohan Gandhi
4. Dr. A. Dhayal Raj
5. Dr. V. Collins Arun Prakash
6. Mr. J. Antony Amalraj
7. Mr. G. Sounder

67th College Day
Annual Report 2017 – 18

Dear Delegates and Friends,

“Every good and perfect gift is from above, coming down from the Father of the heavenly lights, who does not change like shifting shadows”. (James 1:17).

Sacred Heart College is one such gift from the Lord. It is with great honour and privilege I present to you the 67th College Day Annual Report for the academic year 2017-2018.

At the outset, I welcome our Respected Rev.Fr.Rector, Dr.C.Antonyraj,SDB, our distinguished Chief Guest, Dr.G.Srinivas, Joint Director of UGC, SERO (Southern Eastern Regional Office), Hyderabad, our guest of honour, Dr.D.Valarmathi, Regional Joint Director, Collegiate Education, Vellore Region, Additional Principal Rev.Dr.K.A.Maria Arokiaraj,SDB, Vice Principals of Shift-I & II, Deans, HODs, faculty members, parents, friends, well- wishers, members of the fourth estate (Press & Media) and my dear beloved students, a warm and hearty welcome to all of you.

I deem it a great privilege to stand before you on this joyous occasion of 67th College Day celebrations of Sacred Heart College. As I have been entrusted with the responsibility of leading the College as the Principal, I have the joy and pleasure in presenting to you the annual report of this profound institution which has progressed in leaps and bounds since its noble inception in 1951.

God says “I will never leave you nor forsake you” and yes we have witnessed God’s promises being fulfilled in the personal and corporate life of this College. Our father and founder St. Don Bosco said “Let us go on as we have done so far and leave everything in God’s hands”. So we keep trusting our Lord and continue joyfully journeying in our pursuit of excellence.

On this distinguished day, I wish to acknowledge the support and guidance rendered by our college chairman and provincial of our Chennai Province, Rev.Fr.K.M.Jose,SDB. He has been a corner stone for the growth and development of this institution. On behalf of the college, I place on record our sincere gratitude and appreciation for all that he has rendered to our college.

I extend my whole hearted gratitude to our beloved Rector Rev.Dr.C.Antonyraj,SDB, for his leadership, versatile direction and significant support that made Sacred Heart College, reach greater heights. He is a stalwart in administration & academics, and is always willing to help us and guide us when we need him. He shows keen interest in the growth of the college in all aspects and stands second to none. I sincerely thank him for all that he is to us.

I also record my gratitude to Rev.Dr.Maria Arokiaraj,SDB for his wonderful support and administrative help for the successful functioning of Shift-II of our college.

I am extremely thankful to the Vice Principals, Rev.Dr.Praveen Peter,SDB (Shift-I) and Rev.Dr.G.Theophil Anand,SDB (Shift-II) who have done a commendable job in conducting all the programmes of the College in an extraordinary manner. In a special way I also record my gratefulness to Rev.Dr.Praveen Peter,SDB who holds the additional responsibility of Controller of Examinations. He has conducted all the exams excellently and published the results on time every time.

The progress of any educational institution rests on dedicated workforce who shoulders the responsibility. As the saying goes “Unity is strength”, when there is teamwork and collaboration, wonderful things could be achieved. The same couldn’t be more evident

without the support and dedication of our committed faculty members, non-teaching staff, support staff, quality infrastructure, large pool of learning resources and responsible students. I thank all heads of the Departments, deans, office bearers and staff for their noteworthy contribution during this academic year.

New Initiatives

It is said that “New words are needed to express new ideas, new forms are necessary to manifest new forces” and as Sacred Heart College stands as a forerunner of its versatile credibility in and around this part of the country, our college is making vast progress in several areas of learning and the credit must go to all of us who have worked untiringly in making this possible. Here are our new initiatives introduced during the academic year 2017-2018.

Enactment of New Curriculum

Progress is impossible without change, and those who cannot change their minds cannot change anything. Change is the end result of all true learning. In tune with the changing times, Sacred Heart College, had restructured its entire curriculum with advent of the academic year 2017 – 2018.

The Restructured Curriculum lays emphasis on

- Fully revised and updated syllabi following the recommendations of University Grants Commission (UGC), New Delhi.
- Incorporation of current topics in each subject enabling students to pass the competitive examinations.
- Introducing the job oriented course in respective disciplines.
- Facilitating transfer of credits from other departments.
- Giving more weightage for continuous performance and assessment in CA exams.
- Introduction of certificate courses in every department.
- Promoting more project works for post graduate students.
- Complete revision of syllabi for M.Phil courses and finalizing the question pattern for CA, and Semester examinations the valuation.

Advent of the MOODLE Platform

Teaching and Learning Process is rapidly changing with the use of technology and Internet. The advent of Learning Management System such as **MOODLE (Modular Object Oriented Dynamic Learning Environment)** changed the process of knowledge dissemination in our College.

Sacred Heart College (Autonomous) has taken the initiative to promote online learning among students and staff members. Sacred Heart College is trying to create interest among students to have joyful learning through Learning Management System like MOODLE. Each department is created with a separate domain where the departments can access MOODLE online.

There is an admin for each department who takes the responsibility of maintaining the site. The admin takes care of creating the courses and assigns roles to the students and the course teachers. They are given special training on MOODLE on how to create courses, assigning roles and performing the learning activities like uploading resources, conducting online tests, creating forum for discussion, online assignment etc.

As the future focus of Higher Education involves the complete digitalization with the aid of e-Learning platforms like MOODLE and MOOCs, we should be proud that Sacred Heart College has incorporated the same and every department now has a structured MOODLE Platform that enables vivid learning and interactions between staff and students via the internet.

Installation of Don Bosco and Sacred Heart Fellowships

The Salesian System of Education has a unique way of mentoring and providing opportunities for staff and students to hone their talents and skills. One such initiative is the installation of the *Don Bosco Research Fellowship and the Sacred Heart College Fellowship*. A dedicated Research wing continuously monitors the improvement of research activities in the campus.

This forum encourages staff members to embark on novel research initiatives and projects. Meritorious research projects are scrutinized by an External Expert Panel, and respective staff are endowed with the Don Bosco Research Fellowship.

The forum also identifies the best PG student project and the best student/research scholar and recommends Sacred Heart College Fellowship.

Green Initiatives & Alternate Energy Generation

Mother Nature has the power to please, to comfort, to calm and to nurture one's soul. Sacred Heart College has always been very concerned with conservation of Mother Nature. As part of its green initiatives the college conducts '*A No Drive Day*' where all staff and students are asked to commute to college via the public mode of transport. This practice is followed on the first week (Monday) and the third week (Monday) of every month.

As the saying goes 'Energy once saved is energy twice generated' the college observes a 'Black Out' from 8:45 a.m. – 9:30 a.m. on every Monday to conserve energy and to cater to the holistic development of the college and the state at large.

The college has also taken intense initiatives for a plastic free campus. The college has moved on to a digitalized platform and the office has started becoming paperless. Majority of the communications are now routed online. Sacred Heart College, now embarks on alternative and renewable source of energy generation. The college management has taken significant steps in the installation of Solar Panels to tap Mother Nature and to reduce global warming. The college garden, the water fountain and the campus now been renovated with vivid green landscaping providing a pollution free atmosphere for the staff and students.

Sharing Day

We make a living by what we get, we make a life by what we give and the greatest satisfaction comes with sharing with others. *His Holiness, Pope Francis* initiated the '*World Day of the Poor*' on 19.11.2017. The Holy Father announced this initiative as an occasion and an opportunity for grace with a message 'Let us love, not with words but with deeds'. Sacred Heart College, in lieu with the same undertook a noble venture into new horizons in reaching out to the poor and needy of Tirupattur Community. On 15th December 2017, 10 departments of the undergraduate programme of Shift-I together with 7 departments of the post graduate programme of Shift-I along with 9 departments of the undergraduate programme of Shift-II and 7 departments of the post graduate programme of Shift-II, reached out to the community with funds collected by the students, staff and the college management in reaching out to various areas of the community, to share their presents with gifts of love, joy and peace.

Various programmes were conducted by different departments in the community as an act of sharing. The College management supported the initiative vividly by allocating funds collected towards the growth and development of the community. Many staff and students spent the entire day in the community and rendered their unconditional support and shared their presents. As giving is the language of the heart and sharing is the language of the soul, Sacred Heart College, Tirupattur, thus achieved a significant milestone in reaching to the poor and needy at large in its community.

Online Payment of Fees

With the advent of the digital era, Sacred Heart College has taken up innovative steps to facilitate and enable students to pay their respective fees online. This initiative has reduced the regular rush and constrains that students usually face during their remittance of their college fees in the bank.

Online Registration for Convocation of Graduates, Post Graduates and Research Scholars

Sacred Heart College has now made it possible for students who have completed their Under Graduation, Post Graduation and M.Phil to apply for their convocation online. This new feature enables students to have a check list and to facilitate quick and easy response in the application of their convocation.

Launch of the Colleges New Web Site

It is emphasized that the College Website is the face of the College. On 22nd December 2017, the college launched its new website with exciting features and fabulous interface. This significant milestone was possible because of the strenuous efforts taken up by the Data Centre and technocrats. The new look of the website had been carefully drafted, designed and maneuvered in order to be student and staff friendly. And with the launching of this new website, I believe that the fame of the College will reach greater horizons.

E-News Letter

The art of art, the glory of expression and the sunshine of light are one's expression in the form of Letters. I am very pleased to state that Sacred Heart College, as part of its digital frontier has introduced an *e-Letter*. This e-Letter is published once in two months with an update of the various events, noteworthy occurrences, novel ventures and innovative proceedings of various departments in the college.

Innovative Android Application Development of the College Calendar

No matter how many goals one achieves one must always strive for higher ones. Sacred Heart College is no exception and always aims at striving towards continuous improvement. With the increase in the number of mobile phone users in the world which is expected to pass the five billion mark by 2019, Sacred Heart College has moved its user interface towards the android platform. The college has its own application in the Google Play Store, which enables any android user to gain acquaintance on significant events carried out by the college. This innovative mobile app is constructed with ease of use, data, structure and interface on the android platform that enables students and staff to make optimum use of its simplicity in design and innovative features.

Examination Reforms

Examination is a continuous and life long process of our educational system. It also occupies a central position in our educational policy. The quality of education cannot be improved without reformation in the educational pattern. As Sacred Heart College strives for continuous improvement, the following innovations implemented out to create a better system of teaching with the application of higher educational standards.

Students continue to access to view their credentials and download their hall tickets online. The components of the question paper were now revised with the restructured curriculum which emphasized the CA component of the Under Graduates carries 30 marks and the semester examination carries 70 marks. The CA components of the Post Graduates and M.Phil scholars were also revised with 40 marks for CA and 60 marks for the semester examinations.

Sacred Heart College, also inculcated pivotal reforms in the setting of its question paper pattern which insisted that 60% questions in the question paper to be direct which involves the direct testing of the subject knowledge of the students while 40% questions to be on application synthesis and analytical skills.

Since the CA components been increased, faculty members have now incorporated Moodle e-learning and Library hours (Bio-Metric) as internal components.

The new educational reform also mandated that after the completion of the course, if a student attempts a paper for three times in semester and is still unsuccessful, on the fourth attempt, the passing aggregate would be calculated solely based on the semester marks, excluding the CA marks.

PG and M.Phil projects have to undergo the test of anti-plagiarism software. A certificate has to be attached before submission to the COE Office. For PG projects percentage of Plagiarism was left to be decided by respective departments and to be intimated to the COE Office.

The Department of Value Education is now renamed as “Life Education”. Subjects under Part IV will have no End Semester Examination while the Self-Study paper will have an examination but it will not be included for CGPA. Sports person (sponsored players) will have one CA examination only. Arrears in practical exams are now held both in ODD and EVEN Semesters.

Administrative Initiatives (VPs)

Taking consideration, the recommendations of the restructuring committee, the institution has now revamped the structure of administration by including new portfolio of Human Resource Manager for the College and I am glad to announce that Rev.Dr.John Alexander has taken over this office and has done a commendable job.

Also this year, the offices of Vice Principal (Academics) and Vice Principal (Administration) for both the Shifts were established. I thank and congratulate Rev.Dr.Praveen Peter and Rev.Dr.G.Theophil Anand for serving excellently as Vice Principals (Administration) for Shift-I for Shift-II and Dr.S.R.Xavier Rajarathinam and Prof. A.Josephine Sagaya Mala for taking up the responsibilities of Vice Principal (Academics) for Shift-I for Shift-II respectively.

Strengthening of the Data Centre

Technology is now everywhere, entwined in almost every part of our culture. It affects how we live, work, play, and most importantly learn. The internet has become an integral part of education as flexible learning and mobility is the future of higher education. Though Sacred Heart College is an entire Wi-Fi campus, the management has decided to go a step even beyond by increasing its bandwidth from a speed of 25mbps to 100mbps. The Data Centre is always dynamic in its upgradation of technological innovations and has now modernized website of the College.

Novel Catering Facilities for Hostel Students

Managing quality is crucial and an essential part of Sacred Heart College. The quality of food ensures the holistic development of individuals. The college has gone a step beyond in understanding the need to provide its students and staff fresh, hygienic and good quality food on experimental basis. A centralized mess system was incorporated in the academic year 2017-2018. The management has outsourced its catering facilities to reputed restaurants that could provide students with variety cuisine, organic supplements and diverse recipes for the betterment of their health and wellbeing.

New HODs

To be a leader in many ways means paving the way for pioneering efforts that will have an impact on our community and nation.

I congratulate Rev.Dr.John Alexander of Life Education, Dr.P.Balasubramanian of PG Tamil, Dr.S.Paul Raj of Social Work, and Rev.Sr.S.Anthoniammal of Counselling Psychology and for their new portfolios as Heads of the Department and for taking up the responsibility of leadership to enable the smooth functioning of the departments.

Congratulations to you dear HODs.

I whole heartedly thank Dr. K. Paarthibaraja for his services as the Head of the Department for PG Tamil.

New Teaching and Administrative Staff

The achievements of the College do not come easy. The drive for excellence permeates deeply in to the culture of the College and I take this opportunity to sincerely thank the entire staff for their professionalism and commitment in building the college. Here are the new staff who joined us this year and I wish them all a great success in their career.

Rev.Dr.John Alexander, Rev.Sr.Rosali Arulnathan of Life Education, Miss R.Durga Devi, Mr.A.Sangeeth Kumar, Miss S.Sofia Selvarani, Miss Themchuirin Raikhan, Mr.S.Ganesh Kumar, Dr.C.S.Arun Prabu, Mrs.D.Joy Christina of English, Dr.R.Kurinjichimalar of Economics, Mrs.M.Sangeetha of Commerce, Mr.B.Betry Roy of Commerce (CA), Mr.D.Vignesh, of Mathematics, Dr.J.Anto Pradeep, Mr.S.John Sundaram of Physics, Mr.C.Jayakumar Dr.R.S.Diana Sangeetha of Chemistry, Mr.C.Sathishkumar of Computer Science, Mr.M.Manigandan of Microbiology, Rev.Dr.I.Joe Sanjay, Rev.Fr.Selvaraj Varaprasad of Counselling Psychology, Miss.J.Merlin Florence, Mrs.P.Punitha Ilayarani of BCA, Miss.P.Maria Sangeetha, Mr.G.Sivaganam, Mr.G.Arockiaraj Thileepan, Mr.T.Samraj of Communicative English and Administrative staff Mr.P.Nicola Prakash, Mr.K.M.Kalaivendan, Mr.A.Rajesh and Mrs.T.Famila.

Introduction of New Courses

At Sacred Heart College, we understand that there are mushrooming of many certificate and diploma programmes and short-term courses in the country. However, ‘the emphasis of such courses being job oriented becomes a million dollar question’, states the University Grant Commission. I take great honour in introducing new courses that would enable our students to progress faster in their way of life and making them employability savvy. The following were the new courses introduced during the academic year 2017-2018:- B.Sc., in Microbiology, Diploma in Human Resource Development, Diploma in Import and Export, Diploma in Logistics Management (in the Department of MBA), Diploma in Medical Lab Technology (Biochemistry), Ph.D. in Management, M.Phil and Ph.D. in Biochemistry were also instituted for students looking towards a prospective and progressive career.

New Doctorates

Our College is extremely proud to present to you the young doctorates who have successfully defended their thesis and obtained their Ph.D. degree.

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|----------------------------|---|----------------------|
| 1. Dr.K.Anbarasu | - | Dept. of Tamil |
| 2. Dr.K.Sivakumar | - | Dept. of Economics |
| 3. Dr.T.G.Gerly | - | Dept. of Mathematics |
| 4. Dr.M.Antony Arockiasamy | - | Dept. of Mathematics |
| 5. Dr.J.Missiadoss | - | Dept. of Economics |
| 6. Dr.C.R.ChristiAnandan | - | Dept. of Social Work |
| 7. Dr.A.Arockia Mary | - | Dept. of Commerce |
| 8. Dr.R.Arockia Mary | - | Dept. of MBA |

Congratulations on your achievement and we wish you a successful and bright future ahead.

Farewell

“Good byes are not the end, they simply mean we will miss you until we meet again” says George Elliot. It’s true with our retirees this year.

- ❖ Dr.J.Missiadoss, Head, Dept. of Economics
- ❖ Mr.S.Vincent, SPL. Gr. Waterman

Dear Sirs, a good bye is never painful, unless you’re never going to say hello again. The College will miss you but yet we’ll cheerfully remember you and your contributions to the growth of this institution.

Publication of articles in books and journals

Discovering and redefining are sparkles that illuminate research. Publications made in national and international journals by our staff members had added jewels in our crown and I am happy to announce that in the this academic year alone our staff members have excelled in publishing nearly **42** national, **246** international papers in reputed journals, besides publishing **31** books.

Projects

A dream becomes a goal when action is taken towards its achievement while success isn’t about how much money you make but it’s about the difference you make in the lives of other.

I take great privilege in congratulating the following staff members on embarking on such novel ideals and receiving research grants from many funding agencies.

Award of FIST Funding

Its my great pleasure and pride to state that, the Department of Science and Technology, Government of India has sanctioned a magnanimous grant of **Rs. 95 lakhs** to strengthen the teaching and research facilities in all Science Departments through **Fund for Improvement of Science and Technology (FIST)** programme. I thank and congratulate all the faculty member who were actively involved in achieving this rare feat.

I am proud to state that a total of 9 of our faculty members have undertaken many novel initiatives and received a total grant of **Rs.34,72,695/-** (Thirty Four Lakhs, Seventy Two Thousand, Six Hundred and Ninety Five Rupees).

Name of the Convener	Amount	Topic
Dr.M.Wilson Bosco Paul	1,50,000	Development of Metal Complexes using Compartmental Ligands Bridged with Fluorescent Probes.
Dr.K.A.Maria John Joseph	1,00,000	The Impact of Group Based Microfinance Scheme on Rural Households in Vellore District.
Dr.J.Jacob Stanley Inbaraj	1,30,000	Feasibility and Pertinence of Precision Farming in Vellore District of Tamil Nadu.
Dr.R.Jude Vimal Michael	2,60,000	Spectroscopic Evaluation of Novel Semiconductor Nanomaterial Architectures and their Catalytic and Energy Conversion Application.
Dr.M.Jose	3,19,000	Investigation of Third Order Non-linearity of DSTMS Single Crystals using Z-scan Technique.
Dr.S.Sagayaraj	2,16,000	Automatic Clustering for User Personalization in Semantic Web Services Created by Converting Web Services and Reusing for Academic and Software Development.
Dr.P.Balasubramanian	1,05,000	A Study on the Contemporary Neithal Literary Works in the Southern Parts of Tamil Nadu and the Lives of the Fishermen Community.
Dr.G.Mohan Gandhi	1,00,000	Myth and Archaeology Evidences in the Religious Belief of Yelagiri Tribal People.
Dr.Nahren Manuel Mascarenhas	20,92,695	Multistage Modelling of Gain Mechanistic Insights into Glucose Transporters.

Conferences & Seminars

People who achieve their goals do so with passion, planning, persistence and purpose. Every accomplishment starts with the decision to try. I take this opportunity to thank all the faculty members and students who have vigorously accomplished organizing **3** International Conferences, **12** National Conferences and **48** Seminars and **14** workshops. I heartily congratulate all the departments for taking such great efforts in organizing these conferences and seminars.

Student and Staff Achievement

“Obstacles are the raw materials of great accomplishments. It always seems impossible until it’s done” says Nelson Mandela. I take this opportunity to congratulate my fellow staff and students who have dreamed it, believed it and achieved it.

Staff Achievements

- Dr.G.Prakash Raj has participated in the training programme ‘Tuning Young Faculty towards Effective Teaching’ organized by St. Christopher’s College of Education, funded by United Board of Christian Higher Education in Asia from 22.08.2017 to 26.08.2017.
- Prof.N.Arul Doss, Dr.R.Murali, Dr.A.Albert Irudayaraj, Rev.Dr.G.Theophil Anand, Rev.Fr.K.S.Martin and Dr.K.Arockiaraj participated in the Training Program on Academic Leadership under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Training, conducted by the HRD Ministry, Govt. of India from 23.08.2017 to 29.08.2017.
- Rev.Dr.D.Maria Antony Raj, was nominated as the PEER Team Member of KSGM College Nirsa, Dhanbad, Jharkhand, 15.09.2017 & 16.09.2017.
- Rev.Dr.D.Maria Antony Raj, the Principal of Sacred Heart College was elected as a member of the Syndicate, highest decision making body in the Thiruvalluvar University, Vellore for a period of three years. It is rare feat achieved by any Principal, infact a position won after our former Principal Rev. Dr.P.P.George.
- Also, two of our Professors, Dr.K.Antony Baskaran, Associate Professor of Commerce and Dr.G.Britto Antony Xavier, Associate Professor of Mathematics were elected as Academic Council Members of Thiruvalluvar University, Vellore for a period of three years.
- Dr.S.Sagayaraj, Dr.G.Britto Antony Xavier, Dr.C.R.Christi Anandan, Mr.V.Thomas Immanuel, Mr.M.Selvam participated in the Centre for Academic Leadership and Education Management Programme (CALEM)(Under the Scheme of PMMMMNMTT by the HRD Ministry, Govt. of India, New Delhi and the Aligarh Muslim University, Aligarh – 202 002 (UP) India –The Training Program on Academic Leadership from 13th November 2017 to 16th November 2017.
- Dr.K.Parthibaraja, Assistant Professor in Tamil has been invited to serve as a member of Tamil Nadu Government textbook preparation committee.
- Dr.S.R.Xavier Raja Rathinam, Associate Professor and Head served as a question paper setter for TNPSC, Tamil Nadu Government.
- Mr.S.Samuel has attended a 15 days training programme in Linux and system administration held at LIT, Bangalore from 12.01.2018 to 27.01.2018.
- Mr.P.Manoharan, Dr.A.Royal Edward Williams, Mr.D.Vingesh, Miss J.Merlin Florence and Miss U.Anto Maria Eusobia have participated in the National Research Symposium on the Heart of Educating India, Don Bosco System of Education - In Dialogue with 21st Century Educators on 16th & 17th February 2018.
- MrC.Thirupathy, Dr.A.Jayaprakash, Mr.D.Louis Sahaya Henston, Mr.J.Berkmans, Mr.R.Dhiwakar participated in the Centre for Academic Leadership and Education Management Programme (CALEM) (Under the Scheme of PMMMMNMTT by the HRD Ministry, Govt. of India, New Delhi and the Aligarh Muslim University, Aligarh – 202 002 (UP) India –The Training Program on Academic Leadership from 13th February 2018 to 19th February 2018.

Students Achievements

The following students of our College have received funding from the government agencies for doing their projects.

S.No	Student Name	Guide Name & Address	Title of the Project	Code	Amount Rs.
1	K.Kaviyarasu	Dr.I.Niyas Ahamed Young Scientist SHC, TPT	Environmental Hazard Appraisal of Puliyanthangal Lake	ES-25	10,000
2	M.S. Deepa A.Gayathri	Dr.S.Anbu Asst. Professor SHC, TPT	Biosynthesis and Characterization of Silver Nanoparticles in Different Flower Extracts	MS-08	10,000

- Mr.S.Rajini has received Dr.Ambedkar Fellowship National Award for the year 2017.
- Mr.J.Alex Shyam Chelladurai of II MSW participated in the All India National Change Maker Conclave and Presented a Project on Sustainable Community Complex to Various Members of the Parliament in New Delhi. He was the only student from Tamil Nadu to be selected and to achieve such a tremendous feat.
- I am glad to announce that Ms.R.Kavitha of M.A English has won a gold medal for proficiency in studies through our IGNOU study centre.

I congratulate all of you on your tremendous and noteworthy achievements.

International Recognition

In this academic year we witness a few of our students walking through an exhibition of well received awards and prestigious recognitions. Sacred Heart College feels proud to acknowledge the awards won by our students

- Ms. S.Nazia of I M.Sc., Chemistry has won a prestigious American Chemical Society (ACS) membership. She is the youngest intern to be enrolled as a life member in Royal Society of Chemistry (RSC), London.
- Rev.S.John Borg a doctoral student from the Department of Mathematics was invited to present a paper in the International Conference at Portugal.

Sports Achievements by our students

All India and Inter University Level:

1. A.Saran Raj, III B.A. English represented Thiruvalluvar University Cross Country Team participating in the All India Inter University Cross Country competition held at Visvesvaraya Technological University, Balgavi.
2. R.Dinakaran, II B.A. Economics represented Thiruvalluvar University Cross Country Team participating in the All India Inter University Cross Country competition held at Visvesvaraya Technological University, Balgavi.

3. A.Saran Raj, III B.A. English represented Thiruvalluvar University Athletic Team participating in the All India Inter University Athletic competition held at Acharya Nagarjuna University, Guntur.
4. T.Mathivanan, II B.Sc. Chemistry represented Thiruvalluvar University Best Physique Team participating in the All India Inter University Best Physique competition held at Chandigarh University, Mohali.
5. A.Keerthivaran, II B.A English represented Thiruvalluvar University Power Lifting Team participating in the All India Inter University Power Lifting competition held at Panjab University, Chandigarh.
6. K.Srinath, II B.Com represented Thiruvalluvar University Power Lifting Team participating in the All India Inter University Power Lifting competition held at Punjab University, Chandigarh.

NATIONAL CADET CORPS (NCC) Medal Winners - (SD)

S. No	Name	Achievements
1.	Company Senior Under Officer. A.Arivazhagan, III BBA	<ul style="list-style-type: none"> • Totally he attended 10 Camps • One among them is that he attended Thal Sanic Camp in New Delhi during 2016 and he won the Gold Medal for Tent pitching at National level.
2.	Cadet Under officer. S.Mugunthan, III B.Sc. Mathematics	<ul style="list-style-type: none"> • Totally he had attended 10 camps • One among them is he attended Thal Sanic Camp in New Delhi during 2016 and won gold medal in firing competition national level.
3.	Cadet Under officer S.Vinoth, III B.A. Economics	<ul style="list-style-type: none"> • Totally he had attended 10 camps • He had attended Thal Sanic camp in New Delhi during 2016 and won the gold medal in obstacle crossing at National level.
4.	Cadet M.Jeevarathinam II BA Economics	<ul style="list-style-type: none"> • Totally he had attended 7 camps • He had attended Thal Sanic camp in New Delhi during 2017 and won gold medal in obstacle crossing at National level.

Training and Workshops Strategic Planning Programmes/IUS/AIACHE

Quality is never an accident; it is the fruit of the consistent and conscious effort. We, at Sacred Heart always keep our eyes on improving the overall quality of the institution on par with the top institutions in our country. In view of the same a significant number of training programmes and workshops were organized on par with IUS, AIACHE (All India Association for Christian Higher Education) and DBHEI – INM (Don Bosco Higher Education Institution – Chennai Province).

A strategic planning workshop for the province of Chennai was conducted by the management of Sacred Heart College.

IQAC – Internal Quality Assurance Cell

The Internal Quality Assurance Cell has significantly contributed to the growth and sustenance of quality in the College by way of conducting several programmes and preparing various reports on the achievements of the College to get funding and recognition from

agencies and organizations in India and abroad. The annual quality assessment report is also being meticulously prepared by IQAC and same has been uploaded in the NAAC portal for the impending visit of the peer team for the 4th Cycle of Accreditation.

I thank profusely Dr.L.Ravi who served and completed his term as a IQAC coordinator and contributed significantly to the growth of it. I welcome Dr. S. Sagayaraj who has taken up the responsibility of the IQAC coordinator and I wish him all the best. I also congratulate and wish Dr.L.Ravi all the best as has taken up the vital responsibility of Chairman of the steering committee for NAAC.

I heartily welcome the

- Annual Evaluation of the Departments was conducted in October 2017.
- AQAR 2016-17 was prepared and sent to NAAC and the same was also uploaded in IQAC webpage.
- Odd Semester Department Evaluation of has been conducted in November 2018.
- Preparation towards applying for NIRF - 2017-18.
- Students' feedback on Communicative English has been collected to test the effectiveness of this Best Practice.
- Students' feedback on SHAPE program has been collected to test the effectiveness of this Best Practice.
- Students' feedback on Counselling has been collected to test the effectiveness of this Best Practice.
- Library Audit – Students Feedback has been conducted.
- COE Audit was proposed with a new template.
- Physical Education Audit is to be conducted.
- Odd semester review of Non-Academic Associations was conducted in January 2018.
- PG entrance was conducted through Moodle Platform.
- College calendar (Handbook) was converted to a Mobile Application by the PG Department of Computer Science.
- No Drive day has been introduced in this year on the first and third Mondays.

Memorandum of Understanding

The College has already initiated keen interests in establishing linkages with institutions of repute both in India and abroad. This institution is showing serious commitment to develop meaningful outputs through partnerships thereby arranging for internships, placements, visiting student and faculty exchange programmes and more. Few notable agencies with which the MoU established are

- ❖ MoU with Rajiv Gandhi National Institute of Youth Development, Sriperumbudur.
- ❖ The Department of Biochemistry has signed an MoU with Greensmed Labs, Old Mahabalipuram Road, Thoraipakkam, Chennai.
- ❖ The Department of Biochemistry has also actively engaged in a collaborative research with the Department of Entomology, Loyola College, Chennai through an MoU.
- ❖ The Department of Economics has entered in to an MoU with the Madurai Kamaraj University, Madurai.
- ❖ The Department of Social Work has entered in to an MoU with North Eastern Institute of Social Work and Research (NEESAR).

- ❖ The forum for alternative theatre called Mattru Naataka Iyakkam (MNI) has signed a MoU with the Standard Fireworks Rajaratnam College for Women (Autonomous), Sivakasi to enhance the academic interests between the two institutions,

Internships and Joint Ventures

Training Programme in Computer Science with Institute Lemonnier, Cean, France

- ❖ To add another feather in its cap, the college has hosted a 5 week long internship programme for the students of *Institut Lemonnier, Caen, France* during 13th July 2017 to 20th August 2017. The programme was a notable offshoot of the European Visit by Rev.Dr.D.Maria Antony Raj, SDB, Principal. After signing up in the International University Federation (IFU), the seeds of the intership programme were sown in Rome through the initiations by Fr.Principal and Fr.John Paul SDB, France.
- ❖ After his European visit, Fr.Principal triggered the process through Dr.L.Ravi, Director of MCA Programme. The programme conceived a shape after a series of meetings and finally Dr.L.Ravi with Prof.V.Thomas Immanuel and his associates came out with the outline of the training programme and the same was communicated to Institut Lemonnier. A team of 10 students and 7 staff members visited our College as a part of this venture.
- ❖ The team of Faculty from Institute of Lemonnier was honoured during the Independence Day Celebrations on 15th August, 2017. The Valediction ceremony of the Internship Programme was held on 14th August, 2017. The team of Students and Faculty of Institute Lemonnier left the premises of our college on 16th August, and visited various Don Bosco Institutions in and around Chennai and departed to France on 20th August 2017.
- ❖ Our College has started a significant step towards offering our expertise to other institutions in and around this place. In this regard, summer internships were offered to 15 students in the area of Physics, Chemistry and Biochemistry for a duration of one month.
- ❖ I am happy to inform about the project services we render from our College to the students from other institutions doing their PG and diploma courses. Several departments offer their expertise and our infrastructural facilities are greatly appreciated and utilized by these students.
- ❖ Our College has made available its Library resources to the deserving students from outside. This, in due course of time would be extended to all the institutions in and around Vellore region.

Infrastructural Developments

One of the most telling aspect of Sacred Heart College is that the facilities and infrastructure to support the academic research, student life, athletics, and community partnership. The following infrastructural facilities have been newly added in this academic year

- Construction of a new Indoor stadium beside the guest rooms is underway and soon to be completed.
- A new sports hostel behind the Don Bosco Indoor Stadium is also under construction.
- A spacious and elegant gallery for volley ball ground was completed and being used during the tournaments.
- New staff cabins and room renovations were carried out in the department of Chemistry.
- A new parking lot in front of MSW block.

- Installation of Wi-Fi for the bicentenary and MSW building.
- Provision of biometrics for the library.
- Lush meadow of gardens with native plants, interspersed with ornamental shrubs and trees is being refurbished.

Students' Services

IGNOU

Students committed to lifelong learning can help themselves to be more effective in getting the results for which they are responsible. Thus catering to the continued and parallel learning of students, the Indira Gandhi National Open University (IGNOU SC2509) courses are offered to the students and in this academic year a new batch of **687** students have enrolled themselves for various degree and diploma courses. I wish the coordinators, tutors and the students all the best in this endeavour.

- ❖ I am glad to announce that Ms.R.Kavitha of M.A English has won a Gold Medal for proficiency in studies through our study centre.

Counselling Centre

Fostering the emotional intelligence among the students is fulfilled through the counselling centre which has conducted various programmes for all the students to enable them to face their life with courage and determination. In this academic year, about **226** students received help through our dedicated counselling centre. The department is headed by Ms.Latha Munsamy, our College counsellor, who attends to the emotional needs of the students on a regular basis.

Online Courses

Students assimilate knowledge in different ways and blended learning can turbo charge teaching and learning and hence a significant thrust has been given to both students and staff to pursue online courses offered by several prestigious institutions like IITs, IIMS etc. So far **25** students and 4 faculty members have successfully completed online courses and several others are in the learning stream.

Staff and students continue to use courses offered through National Programme on Technology Enhanced Learning (NPTEL) and a dedicated audio-video hall is provided for this purpose.

Placement Activities

The placement department of Sacred Heart College has strived to realize the dreams of the students and the following recruitment drives were conducted for students of various departments. Tailor made training programmes on interview skills, aptitude tests and mock interviews were conducted on a periodic basis to ensure maximum placement during this academic year. I congratulate and thank the placement office and the entire team headed by Rev. Fr. Daniel Ambrose for their unstinted support, cooperation and their achievements.

Significant Events

The price of success are dedication, hard work and an unremitting devotion to the things you want to see happen and here are a few significant events that happened in this academic year:

- ❖ I am very happy and proud to mention that our College has been ranked at **95th Place in the National Institutional Ranking Framework (NIRF)** by the Ministry of Human

Resource Development, yet another feather in the cap achieved in the journey of this institution.

- ❖ Women empowerment activities were vivid in the campus which encompass special orientation and awareness programmes on women related issues and challenges which were held on 08/03/2017.
- ❖ The Convocation Day was held on 11/03/2017, in which 1260 young graduates received their diplomas from Dr.B.Senthikumar, Controller of Examination, Thiruvalluvar University who was the chief guest for the function.
- ❖ The College Annual Sport Meet held on 28/07/2017 was most encouraging where brave and genuine sportsmen and women battled for their honours. The Chief Guest was Mr.N.Annavi, International Athletic Trainer and Champion.
- ❖ Independence Day celebrations on 15/08/2017 echoed celebrating the sentiments and sacrifices of our nation's freedom.
- ❖ With gratitude, Teacher's Day was celebrated on 05/09/2017 and the students generously appreciated the staff for their services.
- ❖ Joyful celebration of Cultural Fest HEARTBEAT - 2017 was conducted on 25th and 27th of November 2017.
- ❖ Traditional celebration of Pongal festival was organized on 11/01/2018.
- ❖ Republic Day celebration and parade were conducted on 26/01/2018
- ❖ Annual alumni meeting was held on 28/01/2018 where our past pupils fondly visited their Alma Mater.
- ❖ The joyful celebration of the life of our Father and Founder St. John Bosco was celebrated on 31/01/2018.
- ❖ All the Departments conducted their Board of Studies meeting during this academic year and diligently reviewed and approved their syllabus revision.
- ❖ It is to be specially noted that the Department of Physics conducts a series of programmes throughout the year marking the Golden Jubilee of the Department. We congratulate them on their efforts and wish them the very best in all their future endeavours.
- ❖ On 18th February 2018, Mr. U. Sagayam, IAS visited our campus and addressed the students and public on envisaging a corruption free and prosperous society and the need for self discipline that has to pervade all walks of one's life. The function was well attended by over 5000 people most of them were youngsters.

Staff Development Activities

The growth and quality of an institution greatly depends on the quality of the teachers/faculty which in turn fosters leadership and team building among the staff members. The following programmes were organized during this academic year.

- A special animation programme for staff under 5 years of teaching experience was conducted from 01/06/2017 to 03/06/2017
- An orientation programme for all the newly recruited staff members was conducted from 5th and 6th June 2017.
- Two day leadership training programme for HODs on 8th and 9th of June 2017 at Yelagiri Hills.
- Two day staff animation programme for all the teaching staff was held on 13th and 14th June 2017.

- Annual retreat for two days for all the staff members was conducted on 27th and 28th October 2017.
- As a new initiative, monthly Mass for catholic staff is being held on the first Friday of every month.
- Periodical staff meetings are occasions the staff are informed about the recent updates on education, research and outreach activities and are encouraged to embark upon them.
- There are also monthly meetings with HODs, to systematically check, define and redefine areas of improvement and development.

Student Development Activities

Our College has taken significant steps in nurturing leadership qualities among students to help them to fulfil their potential as a leader through effective leadership skills, training courses and seminars.

- Two II year students were sent for a week long leadership training programme conducted by Don Bosco College of Arts and Science, Yelagiri Hills in the month of May 2017.
- 10 students have undergone leadership training camps held at Thirussur, Kerala.
- To strengthen the student mentoring, the SHAPE programme is conducted every month and all the I year students receive help from their mentors.
- The class quality circles functioning in each class serve as centres for peer learning and pave chance for the students to grow as a group.
- The year long programmes conducted by SHELTERS group enthused the students to develop their extracurricular skills and to become sensitive to the social needs.
- To prepare the students for job placement, tailor made skill training programmes were arranged for all the III year students and 444 students have successfully completed this training during the academic year.
- Soft skills training continues to be another flagship programme of our College and a week-long bridge course programme was conducted for the newly admitted students to introduce them to the culture of the campus and to provide a smooth academic transition for school learning to College level learning.
- To improve the communicative English, language training was offered to the students at various levels by the department of communicative English.
- To emphasize and teach the importance of faith in their lives annual retreat was conducted for all the catholic students from 7th July to 9th July 2017.

Women Empowerment Programmes

The following programmes were conducted exclusively for women students in this academic year.

Date	Resource Person	Theme	Title of the Programme	Participants
Mar 8 th 2017	Dr.Chandra Executive Director, D.Arulselvi, Community based Rehabilitation Professor and Head (Rtd), Stanley Medical College, Chennai	Women Empowerment	Nutrition and Health care of Adolescent Girls.	UG & PG Girls

July 19 th 2017	Rev.Dr.C. Antonyraj	“Wake up Woman to Celebrate Yourself”	Motivational Talk (Orientation for Girls)	UG II & III Years PG II Years
Aug 24 th 2017	Rev.Fr.Andrews Raja	“You are Worth More”	Inspirational talk (A deeper understanding of the Dynamics in Relationships during Adolescence)	UG I & II Years PG I Years
Sep 9 th 2017	Dr. V. Krishnamoorthy	Women’s Health	Women students Meet and Talents Expo.	Shift I & II UG Girls and Female Staff.
Jan 25 th 2018	Ms.A.Mercy (Counsellor and Psychotherapist)	“Stress and Coping Mechanisms”, “Save the Girl from Social and Psychological Issues”	Social and Psychological Problems Faced by Teenage Girls and their Management	UG & PG Girls

Scholarships

Letting not the socio-economic background of the students being an impediment to learning, our institution has taken keen efforts to obtain scholarships from government and non-governmental agencies to the deserving students. I happily present to you the details of the same.

- Government Scholarships for Shift 1 & 2: benefiting **2,360** students with an amount of **Rs.1,30,75,333/-**.
- Universal Higher Education Trust Scholarship for the academic year 2017-2018 benefiting 102 Students with an amount of **Rs.6,35,000/-**.
- IVDP (Integrated Village Development Project) Scholarship provides assistance to orphan and semi-orphan students with a total no. of 132 students benefiting from the same and **Rs.7,20,000/-** being awarded.

Students Strength

Students are our great strength. The strength of each department is displayed:

U.G. Students Strength (Shift - I & II)

Department	I Year		II Year		III Year		Total	
	M	F	M	F	M	F	M	F
B.A. Economics	58	19	46	14	17	2	121	35
Commerce	105	50	102	43	86	43	293	136
Mathematics	70	84	69	78	69	81	208	243
Physics	68	44	56	47	52	53	176	144
Chemistry	57	54	56	50	53	52	166	156
Computer Science	75	37	68	38	56	45	199	120
BBA	63	14	53	13	40	17	156	44
Biochemistry	22	33	21	30	21	27	64	90

B.A. English	67	87	50	85	62	62	179	234
BCA	43	12	33	20	32	20	108	52
B.Com (CA)	55	21	53	23	24	19	132	63
B.A. Tamil	38	32	19	48	20	21	77	101
Microbiology	19	31	-	-	-	-	19	31
Total	740	518	626	489	532	442	1898	1449

P.G. Students Strength (Shift - I & II)

Departments	I Year		II Year		III Year		Total	
	M	F	M	F	M	F	M	F
M.Sc. Mathematics	19	24	26	17	-	-	45	41
MSW	19	24	26	17	-	-	45	41
M.Com	7	11	6	11	-	-	13	22
M.A. Tamil	1	10	1	1	-	-	2	11
M.A. English	14	30	7	35	-	-	21	65
M.Sc. Physics	10	18	10	16	-	-	20	34
M.Sc. Chemistry	17	12	12	15	-	-	29	27
M.A. Economics	2	3	9	2	-	-	11	5
M.Sc. (CS)	7	18	5	21	-	-	12	39
M.Sc. Software Technology	-	-	5	7	-	-	5	7
M.Sc. Biochemistry	2	15	5	12	-	-	7	27
M.Sc. Counselling Psychology	6	18	14	6	-	-	20	24
MCA	7	6	11	11	20	12	38	29
MCA Lateral Entry	-	-	27	23	11	22	38	45
MBA	28	32	35	23	-	-	63	55
PGDCSA	6	0	-	-	-	-	6	-
PGDHRM	14	4					14	4
PGDIEM	12	0	-	-	-	-	12	0
PGDLM	4	4	-	-	-	-	4	4
Total	182	267	189	269	31	34	402	570

M.Phil. Scholars

Department	M	F	Total
M. Phil Tamil	2	4	6
M. Phil English	4	4	8
M. Phil Economics	2	1	3
M. Phil Commerce	1	3	4
M. Phil Mathematics	5	12	17
M. Phil Physics	2	2	4

M. Phil Chemistry	1	6	7
M. Phil Computer Science	1	3	4
M. Phil Social Work	1	1	2
M. Phil Management	0	7	7
M. Phil Computer Applications	0	4	4
Total	19	47	66

Ph.D. Scholars

Department	M	F	Total
Ph.D. Tamil	8	9	17
Ph.D. Economics	4	0	4
Ph.D. Commerce	3	1	4
Ph.D. Mathematics	14	8	22
Ph.D. Physics	12	4	16
Ph.D. Chemistry	4	1	5
Ph.D. Computer Science	5	2	7
Ph.D. Social Work	3	0	3
Total	53	25	78

Total Students - 4463

Male Students - UG: 1898 PG: 402 M.Phil.: 19 Ph.D.: 53

Female Students - UG: 1449 PG: 570 M.Phil.: 47 Ph.D.: 25

Teaching Staff Strength

Total Staff Members - 201

Aided Staff - 59

Management Staff - 142

Administrative Staff Strength

Total Administrative Staff - 76

Aided Administrative Staff - 29

Management Administrative Staff - 47

Results

In our pursuit of excellence, we are determined and committed to achieve the results that our efforts deserve. Here are the details of the examination results for both the semesters of this academic year.

April 2017 Semester Examination Results

S.No	UG Classes	Shift	Year	Appeared	Passed	%
1	B.Sc. Mathematics	I	I	76	57	75.00
			II	73	46	63.01
			III	72	46	63.89
		II	I	77	57	74.03
			II	78	61	78.21
			III	77	57	74.03

2	B.Sc. Physics	I	I	51	34	66.67
			II	55	43	78.18
			III	53	43	81.13
		II	I	54	41	75.93
			II	54	31	57.41
			III	51	38	74.51
3	B.Sc. Chemistry	I	I	55	44	80.00
			II	55	43	78.18
			III	52	45	86.54
		II	I	55	44	80.00
			II	55	43	78.18
			III	52	45	86.54
4	B.Sc. Computer Science	I	I	55	24	43.64
			II	55	38	69.09
			III	47	27	57.45
		II	I	55	32	58.18
			II	49	34	69.39
			III	53	36	67.92
5	B.Sc. Biochemistry	II	I	52	26	50.00
			II	49	45	91.84
			III	49	46	93.88
6	BCA	II	I	53	36	67.92
			II	52	26	50.00
			III	49	45	91.84
7	BBA	II	I	73	22	30.14
			II	58	29	50.00
			III	58	43	74.14
8	B.Com	I	I	77	24	31.17
			II	70	40	57.14
			III	72	50	69.44
		II	I	76	25	32.89
			II	63	30	47.62
			III	61	47	77.05
9	B.A. Economics	I	I	65	17	26.15
			II	22	06	27.27
			III	48	32	66.67
10	B.A. English	I	I	76	34	44.74
			II	51	21	41.18
		II	I	71	30	42.25
			II	75	32	42.67
			III	70	65	92.86

11	B.Com (CA)	II	I	77	26	33.77
			II	43	23	53.49
			III	58	53	91.38
12	B.A. Tamil	II	I	73	33	45.21
			II	43	24	55.81
			III	52	42	80.77

S.No	PG Classes	Shift	Year	Appeared	Passed	%
1	MSW	I	I	43	32	74.42
			II	40	40	100.00
2	M.Sc. Mathematics	I	I	42	39	92.86
			II	42	32	76.19
		II	I	43	38	88.37
			II	39	28	71.79
3	M.A. Economics	I	I	13	07	53.85
			II	07	07	100.00
4	M.Com	II	I	18	06	33.33
			II	31	18	58.06
5	M.Sc. Physics	II	I	28	17	60.71
			II	26	19	73.08
6	M.Sc. Chemistry	II	I	27	17	62.96
			II	30	30	100.00
7	M.Sc. Computer Science	II	I	26	22	84.62
			II	21	21	100.00
8	M.A. Tamil	II	I	02	02	100.00
			II	06	06	100.00
9	M.A. English	II	I	43	39	90.70
			II	44	37	84.09
10	M.Sc. Biochemistry	II	I	17	14	82.35
			II	13	08	61.54
11	M.Sc. Software Technology	II	I	12	08	66.67
			II	08	02	25.00
12	M.Sc. Counselling Psychology	II	I	20	14	70.00
			II	09	09	100.00
13	MBA	II	I	58	35	60.34
			II	55	40	72.73
14	MCA	II	I	22	15	68.18
			II	32	24	75.00
			III	39	39	100.00

15	MCA (Lateral Entry)	II	II	33	24	72.73
			III	12	12	100.00

November 2017 Semester Examination Results

S.No	UG Classes	Shift	Year	Appeared	Passed	%
1	B.Sc. Mathematics	I	I	78	46	58.97
			II	74	37	50.00
			III	72	54	75.00
		II	I	77	45	58.44
			II	75	52	69.33
			III	78	66	84.62
2	B.Sc. Physics	I	I	56	31	55.36
			II	50	33	66.00
			III	53	42	79.25
		II	I	55	42	76.36
			II	53	40	75.47
			III	54	37	68.52
3	B.Sc. Chemistry	I	I	57	36	63.16
			II	55	43	78.18
			III	55	43	78.18
		II	I	53	27	50.94
			II	51	39	76.47
			III	51	34	66.67
4	B.Sc. Computer Science	I	I	58	24	41.38
			II	54	21	38.89
			III	51	42	82.35
		II	I	55	37	67.27
			II	51	26	50.98
			III	49	31	63.27
5	B.Sc. Biochemistry	II	I	55	15	27.27
			II	50	37	74.00
			III	48	41	85.42
6	BCA	II	I	55	37	67.27
			II	53	31	58.49
			III	52	29	55.77
7	BBA	II	I	76	19	25.00
			II	66	31	46.97
			III	57	40	70.18
8	B.Com	I	I	80	33	41.25
			II	75	28	37.33
			III	69	45	65.22
		II	I	74	22	29.73
			II	70	23	32.86
			III	61	30	49.18

9	B.A. Economics	I	I	78	12	15.38
			II	57	14	24.56
			III	19	12	63.16
10	B.A. English	I	I	77	28	36.36
			II	72	29	40.28
			III	50	30	60.00
		II	I	77	31	40.26
			II	61	27	44.26
			III	74	42	56.76
11	B.Com (CA)	II	I	76	37	48.68
			II	75	34	45.33
			III	43	33	76.74
12	B.A.Tamil	II	I	68	15	22.06
			II	65	34	52.31
			III	41	26	63.41
13	B.Sc.Microbiology	I	I	50	29	58.00

S.No	PG Classes	Shift	Year	Appeared	Passed	%
1	MSW	I	I	43	42	97.67
			II	43	38	88.37
2	M.Sc. Mathematics	I	I	44	29	65.91
			II	40	36	90.00
		II	I	44	32	72.73
			II	43	38	88.37
3	M.A. Economics	I	I	05	05	100.00
			II	11	11	100.00
4	M.Com	II	I	18	18	100.00
			II	17	12	70.59
5	M.Sc. Physics	II	I	27	24	88.89
			II	26	17	65.38
6	M.Sc. Chemistry	II	II	28	24	85.71
			III	27	19	70.37
7	M.Sc. Computer Science	II	I	24	24	100.00
			II	24	24	100.00
8	M.A. Tamil	I	I	10	09	90.00
			II	02	01	50.00
9	M.A. English	II	I	44	40	90.91
			II	40	36	90.00
10	M.Sc. Biochemistry	II	I	17	16	94.12
			II	17	17	100.00
11	M.Sc. Software Technology	II	II	11	07	63.64

12	M.Sc. Counselling Psychology	II	I	23	21	91.30
			II	20	16	80.00
13	MBA	II	I	60	43	71.67
			II	58	44	75.86
14	MCA	II	I	13	13	100.00
			II	22	14	63.64
			III	32	19	59.38
15	MCA (Lateral Entry)	II	II	50	32	64.00
			III	33	25	75.76

Library

The College library facilities are given a face lift every now and then to enable staff and students to stay updated in their learning.

In this academic year,

- ❖ 3000 new Books and 15 new Journals were added to the library collections.
- ❖ 10 Ph.D. dissertations and 150 UG & PG projects were added to the Research Cell.
- ❖ 1200 plus published articles from peer reviewed journals were updated in the Library Software for PG and Research Scholars.
- ❖ 110 CD / DVD (Non Book Materials) were added to the Library Collections.
- ❖ The library provides online literary collections from British Council Library-Chennai and American library – Chennai.
- ❖ A Library Tour was conducted for the newcomers (UG, PG & M.Phil).
- ❖ An orientation program was organized on **Resources Identification and Data Collection for Research** for M.Phil Research Scholars.
- ❖ Subject Reference e-books were collected based on the demand and shared with respective Departments.
- ❖ UGC Sponsored Two Day National Level Conference was organized in Collaboration with Annamalai University Library and Information Science Alumni Association (AULISAA).
- ❖ Bio-Metric Systems (Thumb Impression based) was introduced to maintain the user's attendance.
- ❖ Cybrary was equipped with high configured hardware peripherals to access Electronic Resources.

Extension Education and Services

Institutional Social Responsibility (ISR) – Our institution is committed to the upliftment of people groups deprived of their fundamental needs and rights. Therefore we continued to contribute towards the *Institutional Social Responsibility (ISR)* scheme through money, clothes and articles etc. I whole heartedly thank the Sacred Heart family for standing as one in helping the needy. This year a total collection of **Rs.4,54,550** was generously contributed by our College and donated for the upliftment of our neighbourhood.

DEEDS

We believe in transforming lives locally and globally through the creation, sharing and application of knowledge and hence our students were encouraged and given opportunity to interact with the people in the neighborhood thorough DEEDS activities. All the II year

students visited a place of their choice and spent three days in interacting and helping their neighborhood with the core competency they have.

Sacred Heart College, a service oriented institution with good ambience of learning, is a pioneer in quality higher education for the rural students in and around Tirupattur of Vellore Dt., Extension Education and Services provide students with a platform to experience the transition from lab to land.

Major Activities



Women Empowerment

Major Activities

- Formation of Self Help Groups
- Credit Linkage with NABFINS and Indian Bank
- Facilitating Micro Entrepreneurship Activities
- Women’s Day celebration
- Orphan/Semi Orphan Scholarship for Self Help Group members children
- Summer camp for Self Help Group members children
- Referral to Family Counselling Centre
- Referral to Educational Institutions and Industries.

S.No	Particulars	Total
1	Total No. of Groups	611
2	Total No of New Group Formed	161
3	No. of Women	8554
4	Loan Linked Groups	149
5	Loan Amount Till December 2017	6.18 Crores
6	No of Differently Abled SHGs	4
7	No. of Differently Abled Members	34

Education

Major Activities

- Facilitating College Students to have field knowledge on community, rural development and environment protection etc. through DEEDS programme for three days.

- Supporting with Orphan / Semi Orphan Scholarship for UG/PG Students with the support of IVDP, Krishnagiri.
- Facilitating and monitoring the works scholarship program.
- Coaching Class for the 10th / 12th failed candidates.
- Remedial programmes.

S.No	Name of the Scholarship	No of Students Benefited	Total Amount
1	Work Scholarship (2017-18)	124	5,04,850
2	Orphan / Semi Orphan Scholarships (2017-18) - IVDP	125	6,85,000
Total		249	11,89,850

Family Counselling Centre (FCC)

- Since 1991, Family Counseling Centre has been functioning in our College.
- We assist in terms of psychological, legal, economic, medical and educational support to women and children in need, primarily those who have been victims of domestic violence and family disputes.
- The FCC project is funded by the Central Welfare Board, Ministry of Women and Child Development, Government of India, New Delhi.

S.No	Particulars	No. of Cases Handled	Male	Female
1	Family Disputes, Educational Assistance, Elderly Care	382	109	273
2	Alcoholic	19	19	Nil
Total		401	128	273

Funding Support

S.No	Particulars	Amount in Rs.
1	Funding for 2016-17	2,88,000
2	Funding for 2017-18 (50% received)	1,44,000
Total		4,32,000

Creche Programme

- Since 1986, in collaboration with Central Social Welfare Board, Ministry of Women and Child Development, Government of India, New Delhi under the scheme of Rajiv Gandhi National Creche Scheme 2 Creches have been run by the Sacred Heart College Society.
- Supplementary nutrition food is given to the children for 25 days in a month. Emergency medicines are also given to the children with sub-committee meeting and all prescribed activities.

S.No	Name of the Place	No. of Children
1	Sagaya Nagar	42
2	Sivarajpettai	48
Total		90

Funding Support

S.No	Particulars	Amount in Rs.
1	Funding for 2016-17	2,72,880
2	Funding for 2017-18	-
Total		2,72,880

Slum Development

Evening Tuition Centre

After school, tuition centers provide supplemental learning to compensate for education provided in the Government schools.

S.No	Particulars	No. of Students
1	DB Centre	23
2	Sivarajpettai	37
3	Sagaya Nagar	31
4	Anandapatti	58
5	Idaya Nagar	43
Total		192

Gypsies Development Programme

- There are 33 gypsy families living in 29 houses at Idhaya Nagar, Pachal Pachayath, Tirupattur Block, Vellore District.
- The Sacred Heart College Society took special care of their children to admit them in nearby Govt. and private schools.

S.No.	Particulars	Total	Male	Female
1	Total No of Families (33)	218	120	98
2	Total No of Children	61	34	27

- We have provided Economic Assistance Loan of Rs. 50,000/- each to 10 gypsy youth members through Institutional Social Responsibility (ISR) Fund totalling to Rs.5 lakhs.
- We are also provided Economic Assistance Loan to 15 women members to the tune of Rs. 20,000/- each through Institutional Social Responsibility (ISR) Fund totalling to Rs.3 lakhs.

Skill Development (2017-18)

- At Sacred Heart College, enabling self reliance is the belief that permeates everything we do. Our aim is to impart education and training to College Students, Unemployed Youth and Women so that they can live a self-reliant life of dignity and respect. With this mind, we have set up several skill training programmes in the College campus. These programmes provide marketable skills to the beneficiaries that can help them get competitive jobs.

S.No	Course Name	Shift I	Shift II	Total
1	Communicative English	13	25	38
2	Hindi	11	23	34
3	Job Readiness	13	26	39
4	BCA	0	45	45
5	Type Writing	72	77	149
6	Aptitude	17	33	50
7	Photography	14	19	33
8	Video Editing	2	4	6
9	Tailoring	8	31	39
10	Tally	49	40	89
Total		199	323	522

Entrepreneurship Development

S.No	Name of the Trade	Sponsoring Agency	No of Beneficiaries
1	Computer DTP	NABARD, Chennai	25
2	Tailoring	NABARD, Chennai	25
3	Leather Products	TANSTIA, Chennai	30
4	Entrepreneurship Awareness Camp	Entrepreneurship Development Institute of India (EDII) under DST, GoI	225
5	Coir Value Added Products	MSME-Development Institute, Ministry of MSME, GoI	25
6	Entrepreneurship Development Programme	MSME-Development Institute, Ministry of MSME, GoI	25
7	Designed Garment	NABARD, Chennai	25
8	Mushroom Cultivation	NABARD, Chennai	15
Total			405

Funding Support

S.No	Name of the Trade	Sponsoring Agency	No of Beneficiaries	Total Amount Rs.
1	Digital Literacy Programme	Vellore District Central Cooperative Bank, Vellore	4620	2,46,110
2	Computer DTP	NABARD, Chennai	25	50,000
3	Tailoring	NABARD, Chennai	25	50,000
4	Leather Products	TANSTIA, Chennai	30	87,500
5	Entrepreneurship Awareness Camp	Entrepreneurship Development Institute of India (EDII) under DST, GoI	225	60,000
6	Coir Value Added Products	MSME-Development Institute, Ministry of MSME, GoI	25	60,000
7	Entrepreneurship Development Programme	MSME-Development Institute, Ministry of MSME, GoI	25	26,250
8	Joint Liability Groups	NABARD, Chennai (Yet to receive)	75 Groups	1,50,000
9	Designed Garment	NABARD, Chennai (Yet to receive)	25	50,000
10	Mushroom Cultivation	NABARD, Chennai (Yet to receive)	25	50,000
11	Research Project: Scope and Challenges of Women Entrepreneurs in Vellore District.	National Commission for Women, Govt. of India (Yet to receive)		4,15,000
Total				12,44,860

Networking Partners

- Central Social Welfare Board, Ministry of Women and Child Development, Government of India, New Delhi.
- State Social Welfare Board, Government of Tamil Nadu.
- NABARD, Chennai.
- Entrepreneurship Development Institute of India (EDII), Ahmadabad

- Department of Science and Technology, (DST) Government of India.
- National Commission for Women, Government of India
- NABFINS, Vellore.
- Tamil Nadu Corporation for Women Development, Govt. of Tamil Nadu.
- Indian Bank Zonal Office, Vellore
- Vellore District Central Cooperative Bank, Vellore.
- Don Bosco Foundation, Chennai.
- SURABI, Chennai.
- Vazhikatti, Chennai.
- Manitha Neya Maiyam, Tirupattur.
- Integrated Village Development Project (IVDP)

Graduation Day

Graduation is an important milestone in their learning journey of our students. The annual convocation day was held on 7th April 2018 and 1362 graduates their diplomas and certificates. Dr.K.Murugan, Vice Chancellor, Thiruvalluvar University, Vellore was present as the chief guest and delivered the graduation address and distributed the diplomas.

Obituary - Rest in Peace

They that love beyond the world cannot be separated by it and the works and love of people who contributed to the growth of this institution cannot be buried with them. We sadly condole the death of Dr.A.Vinayagamoorthy, Professor of Commerce, Periyar University and the President of Sacred Heart Alumni Association who left us with grief by his demise on 30th June 2017. May God give solace to the members of his family.

Concluding Remarks

Dear Friends, as we continue to grow, we will strive to be creative and innovative offering best possible learning experiences to our students. We will create an environment of excellence, deliver superior services to achieve outstanding teaching and learning inside the campus. Each and every day in the life of this College, moments of accomplishments, moments of increasing demands, struggles and experiences had given more room to pause and give thanks for all that God has done in and through this great institution.

When we see lives transformed, empowered and enlightened, we cannot but realize that the dream of our dear Father and Founder St. John Bosco is being fulfilled through this College in a big way. I pray to Our Blessed Mother Mary, Mother of all and our Father St. John Bosco to bless this Institution in all its future actions and decision so that we will be contributing to the ethical, intellectual and economic prosperity of our communities and our nation. At this juncture, I place on record my sincere thanks to all the collaborators of Sacred Heart College for making this academic year a grand success.

Thank You and May God Bless Sacred Heart!

**சங்க இலக்கியப் பின்னணியில் அகத்திணைப் பிரிவுகள்
தலைவன் தலைவியர் பிரிவுகள்**

தமிழில் தொன்மையான இலக்கியமாகத் திகழ்வது சங்க இலக்கியம். சங்கப் பாக்களை அகம், புறம் என்ற இருபெரும் பிரிவுகளுள் அடக்கிவிடலாம். இதில் அகம் என்பது வாழ்வின் தலையாயது. ஓர் உயிருடன் மற்றொரு உயிர் உள்ளன்போடு வாழ்ந்து காட்டுவதே அகம். இல்லறத்தில் வாழும் இவ்விரு வாழ்க்கையின் நடுவே தலைவன் தலைவியை விட்டுப் பல்வேறு காரணங்களுக்காக பிரிகின்றான். அகப்பாடல்கள் காட்டும் வாழ்வியல் நிலைகளை ஆராய்வதாக இந்த ஆய்வு அமைகிறது.

ஆய்வுத்தலைப்பு – ஆய்வுமுறை - இயல்கள்

“சங்க இலக்கியப் பின்னணியில் அகத்திணைப் பிரிவுகள்”(தலைவன் தலைவியின் பிரிவுகள்) என்பது ஆய்வுத் தலைப்பு. சங்க இலக்கியத்தில் உள்ள அகநூல்கள் மட்டுமே ஆய்வு எல்லையாக அமைகின்றன. விளக்கமுறை, பகுப்புமுறை, தொகுப்புமுறை ஆய்வு என்ற மூன்று ஆய்வு முறைகளைப் பின்பற்றி இவ்வாய்வேடு அமைகின்றது. இவ்வாய்வு முன்னுரை, முடிவுரை நீங்கலாக ஐந்து இயல்களைக் கொண்டு ஆய்வு அமைகின்றது.

அகத்திணை தலைவன் தலைவியரின் பிரிவுகள் என்ற முதல் இயலில் சங்க இலக்கியத்தில் அகத்திணைப் பிரிவுகள் என்பதன் விளக்கம், பிரிவுகளின் வரையறை அகத்திணையியலில் திணைகள், தலைமக்கள் இயல்புகள், பிரிவுக்குரியோர், பிரிவுக்காலம், கூற்றுக்கள், இலக்கணங்களின்வழி வைப்புமுறை, சங்க அக இலக்கியங்களில் தலைவன் களவு, கற்பு என்ற இரு கோட்பாடுகளில் தலைவியைப் பிரிந்து வாழும் வாழ்க்கைமுறை, பிரிவுத்துன்பம், சங்க அக காதல் பாடல்களுக்கான பிரிவுகளின் மரபைப் புலவர்கள் எடுத்துரைக்கும்விதம் பற்றி விளக்கப்படுகிறது.

பொருள்வயிற் பிரிவு என்ற இரண்டாம் இயலில் சங்க அகப்பாடல்களில் பெரிதும் சுட்டபெறும் பிரிவு பொருள்வயிற் பிரிவு, இப்பிரிவின் விளக்கம், வகைகள், இப்பிரிவிற்கான காரணங்கள், சூழல்கள் மற்றும் அகப்பாடல்களில் புலவர்கள் பொருள்வயிற் பிரிவைப் பற்றி கூறிய பொருள் கடைக்கூட்டிய நெஞ்சு, பொருள் முற்றி மறுத்தராநின்றான், பொருள் வலித்த நெஞ்சு, பொருள் வலிக்கப்பட்டுப் பிரிந்த தலைமகன், பொருள் முற்றி வந்த தலைமகன் என்ற பல்வேறு கோணங்களில் இப்பிரிவைப் பற்றி கூறிய முறைமைகள் ஆய்வுக்குட்படுத்தப்படுகின்றன. களவு மற்றும் கற்புக் காலங்களில் பிரிவுகள் அமைந்த விதம் பற்றியும் எடுத்துரைக்கின்றது.

பரத்தையர் பரிவு என்ற மூன்றாம் இயல் பரத்தைப் பிரிவு, காரணங்கள், சங்க காலத்தில் பரத்தையர் பற்றிய வகைப்பாடுகள், தலைவனோடு பரத்தையர் வாழ்ந்த வாழ்க்கை பற்றி ஆராய்கிறது. தலைவியை துன்பத்தில் விட்டுப் பரத்தையருடன் இன்பந்துய்த்து பின்பு தலைவியின் அன்பைப் பெறும் பொருட்டு இரந்து வாயில் வேண்டி நிற்கும் சூழல்கள், தலைவனுக்கு வாயிலாகச் செயல்படும் மாந்தர்கள் என்பனவற்றைச் சுட்டுகின்றது.

ஓதல் - தூது - போர் - நாடுகாவல் பிரிவுகள் என்ற நான்காம் இயல் பிரிவுகள் என்னும் பொருண்மையில் சங்க அகப்பாடல்களில் வரும் போர்வயிற் பிரிவு, தூது பிரிவு, நாடுகாவல் பிரிவு, ஓதற்பிரிவு, என இந்நான்கு பிரிவுகளின் விளக்கம், காலவரையறை, சங்க அகப்பாடல்களில் இப்பிரிவுகளை வைத்து பாக்களை புனைந்த புலவர்களின் திறம் அகவாழ்க்கை (வாழ்வுகளில்) இப்பிரிவுகளில் தலைவன் தலைவியுடன் வாழ்ந்தவிதம் பற்றி ஆராய்கிறது.

பிரிவுப் பாடல்களும் பின்புலங்களும் என்ற ஐந்தாம் இயல் பிரிவைச் சுட்டும் பாடல்களில் புலப்பாடும் பின்புலங்களை ஆய்வதாக அமைகிறது. தலைவன் தலைவியுடன் பிரிவைப் புலப்படுத்திப் பாடும் பாடல்களில் புலவர்கள் பல்வேறு பின்புல உத்திகளைக் கையாண்டுள்ளதாக இயற்கைப் பின்புலத்தில் பறவைகள், விலங்குகள், தாவரங்கள் ஆகியன பற்றிய செய்திகள் விரிவாக ஆய்வுக்குட்படுத்தப்பட்டுள்ளதை இடைசுரத்து நின்று கலங்கிய உள்ளத்தின் நினைவுகள், செலவழுங்கி தலைவியிடம் மீண்டுவந்த நிலை, வினைமுடித்து பாகனுடன் கூறிய கூற்றுக்களின் விதம் பற்றி விரிவாக ஆராய்கிறது.

முனைவர் கா.அன்பரசு
உதவிப்பேராசிரியர் தமிழ்த்துறை

An Economic Analysis of Coconut Cultivation in Vellore District, Tamil Nadu

In India, coconut is cultivated mainly in the coastal tracts of Kerala, Tamil Nadu, Karnataka, Andhra Pradesh, Orissa, West Bengal, Pondicherry, and Maharashtra and in the islands of Lakshadweep, Andaman and Nicobar. Of late, coconut cultivation has been introduced to suitable locations in non – traditional states including Assam, Gujarat, Madhya Pradesh, Rajasthan, Bihar, Tripura, Manipur and Arunachal Pradesh and in the hinterland regions of the coconut growing states.

Coconut cultivation is on the rise not only at the national level, but also in Tamil Nadu with increasing land being brought under the cultivation of coconut. It provides numerous benefits through its varied products and by products and also in terms of value addition. While it is true that coconut cultivation can extend more than one benefit to the farmers, it is also equally true that the coconut farmers have been facing many problems, especially in the twin fronts of volatile prices for the coconut products and their marketing. Needless to say, income derived from coconut cultivation by the farmers depends directly on these two factors; on the other hand, rising cost of cultivation also exerts a downward pressure on their profit margin. In this background, it becomes pertinent to examine the economics involved in the cultivation of coconut, the problems faced by the coconut farmers and the measures they expect to be implemented for the betterment of this section. This becomes quite warranted particularly since; no attempt has been made in this regard, in Tamil Nadu, in the recent past.

Cultivation of coconut is on the rise and it is a fact that it is mainly carried out by the small and marginal farmers who own less than 5 acres of land. The arrival of World Trade Organization and the opening up of the Indian economy in the aftermath of New Economic Policy of 1991, has led to enormous volatility in the price levels of agricultural products, which is also true in the case of coconut products. The fierce competition being unleashed by countries like Indonesia, Philippines and Sri Lanka also exerts pressure in the international market. The illiterate or less literate farmers in India, with hardly any awareness about the

nuances of international competition are not able to come to grips with the volatile price levels, leave alone getting insulated from the same. In this background, it is quite necessary to examine the economics of coconut cultivation in terms of its cost structure and revenue structure, the problems faced by the coconut farmers and also the steps to be taken to improve their lot, since it will provide important inputs in the area of coconut cultivation, which is being attempted in this study.

Dr.K.Sivakumar
Asst. Prof. Dept. of Economics

Generalized Fibonacci Series and Its Applications Using Q-Difference Operator

The q-calculus serves as a bridge between difference equation and quantum calculus. Apart from the old history of q-difference equations, the subject has received a considerable interest of many mathematicians and from many aspects, both theoretical and practical. Specifically, q-difference equations have been widely used in mathematical physical problems, dynamical system and quantum models, q-analogues of mathematical physical problems including heat and wave equations and sampling theory of signal analysis.

Many results in the q-difference equations and significant applications in Fibonacci series have been derived after finding the formula for $\Delta_{(q)\alpha}^{-1}u(k)$ as

$$\Delta_{(q)\alpha}^{-1}u(qk) - \alpha^{m+1}\Delta_{(q)\alpha}^{-1}u\left(\frac{k}{q^m}\right) = \sum_{r=0}^m \alpha^r u\left(\frac{k}{q^r}\right)$$

In this research work, the multi-finite, infinite and q-Fibonacci series formulae are obtained by equating closed form and summation form solutions of the generalized higher order q-difference equations. Also, we derive inverse of third order q-difference operator for product of two functions so that we are able to arrive the q-difference inverse of product of polynomial and logarithmic functions.

Moreover, the authors introduce generalized Fibonacci sequence by which we can find sequence of ratios of two consecutive numbers and also we can generate generalized Fibonacci series from t^{th} order q-difference equation $\Delta_{(q)\alpha} v(k) = u(k)$, $a=(a_1, a_2, \dots, a_t)$.

Finally this research work takes us to the application of Fibonacci sequence in the growth of plants and trees and hence we can find the angle of rotation occurred in the growth of plants and trees. The examples are analyzed with diagrams generated by MATLAB.

Dr.T.G.Gerly
Asst. Prof. Dept. of Mathematics

Different Labelings of Various Types of Staircase Graphs

Graphs are discrete structures consisting of vertices and edges that connect these vertices. Problems in almost every conceivable discipline can be solved using graph models.

The basis of graph theory is in combinatorics and role of graphics is only in visualizing things. Graph theoretic applications and models usually involve connections to the “real world” on the one hand- often expressed in vivid graphical terms- and the definitional and computational methods given by the mathematical combinatoric and linear-algebraic machinery on the other hand.

Because of its inherent simplicity, graph theory has a very wide range of applications in engineering, in physical, social and biological sciences, in linguistics and in numerous other

areas. A graph can be used in almost any physical situation involving discrete objects and relationship among them.

In recent years graph theory has established itself as an important mathematical tool in wide variety of subjects, ranging from operational research and chemistry to genetics and linguistics, and from electrical engineering and geography to sociology and architecture. At the same time it has also emerged as a worthwhile mathematical discipline in its own right.

Many real-world situations can conveniently be described by means of a diagram consisting of a set of points together with lines joining certain pairs of these lines.

Problems related to the coloring of maps of regions, such as maps of different parts of the world have been efficiently solved using the graph coloring techniques. Graph coloring techniques have proven much more efficient than any other techniques, so that no two regions get same colors.

The social networks such as Twitter or Face book plan their web pages such a way to get a large section of people networking at the same time. This is possible only with the help of web graphs, so that only people who wish to get their identity viewed, can be accessed by others, using the famous Euler's theorem.

The world wide web can be modeled as a directed graph where each web page is represented by a vertex and where an edge starts at the web page 'a' and ends at the web page 'b' if there is a link pointing to b. Because new web pages are created and others removed somewhere, on the web almost every second, the web graph changes on an almost continual basis. Currently the web graph has more than three billion vertices and 25 billion edges approximately.

Computer programs are now available for analysis of large networks based on the graph-theoretic approach. The signal flow graph is used to analyze the signal transmission network, and optimize the efficiency and strength of transmission and to reduce the impediments in transmission networks. Graph theory is a very natural and powerful tool in combinatorial operations research. The travelling salesman problem-finding the shortest spanning tree in a weighted graph; obtaining optimal matching of jobs and men-locating the shortest path between two vertices in a graph are some of the examples of the use of graph theory in operations research.

Graph labeling is one of the fastest developing areas of research. Graph labeling is a function defined on the vertex set or edge set subject to, certain conditions enforced on the number of vertices p or the number of edges q or on both p and q . There are more than more than 200 different types of labeling techniques developed in the last 6 decades published in over 1500 research articles. All these labeling techniques have their origin in the labeling given by A. Rosa. For a detailed list of labeling techniques one can look at dynamic survey updated yearly by J.Gallian.

Graph labeling is an active area of research in graph theory which has rigorous applications in coding theory, communication networks, optimal circuits layouts and graph decomposition problems.

The broad fields of research in graph labeling are two in number. First among the two is finding new labeling techniques to apply on the existing set of graphs and the second one is generating new graphs and using the existing graph labeling techniques on these new graphs. The second field is chosen for this research project. The motivation being new graphs would have more applications for the future.

In this research project, a new family of cycle related graph called “Staircase Graph” is introduced. Labeling patterns such as Gracefulness, Skolem-gracefulness, k-gracefulness, Cordiality and Antimagicness are tested on these graphs. Using this basic structure, new family of staircase graphs namely double staircase graphs, mirror staircase graphs, double-mirror staircase graphs, diamond graph, twin-diamond graph, triple-diamond graph and finally n-diamond chain graphs are generated. Gracefulness is proved for all these graphs. Odd-gracefulness, n-gracefulness, α - labeling, cordiality, magicness, and antimagicness are verified positively on various types of staircases graphs. But staircase graphs don’t satisfy Skolem gracefulness.

Applications of Family of Staircase Graphs:

The families of staircase graphs is a new structure of graphs, generated from simple circuit graphs C_4 and it is in its beginning stage. This field of research has a lot of potential to offer to the scientific and Engineering community. It is envisaged that the study on the families of staircase graphs, will be useful in the following fields.

1. Transmission networks.
2. Architecture, Civil Engineering and Structural Engineering.
3. Electrical networks especially in grid-networks
4. Analysis of intra-company and inter-company communication channels.
5. Analysis of games such as chess, Chinese checker, and draft to find out better strategies.
6. To improve the communication networks such as Website analysis

Dr.M.Antony Arockiasamy
Asst. Prof. Dept. of Mathematics

A Study on Consumer Preference for Durable Goods in Vellore District, Tamil Nadu

Introduction

J. B. Say, one of the founding members of the classical school of economics believed that ‘supply creates its own demand’ as the very act of production itself creates demand for products of others. But in reality production takes place only if there is predicted demand for the products. This is how demand forecasting techniques are practiced in the actual field. Supply being dependent on demand and assumed to be given, it is the demand side which is more active in economics. Thus from demand side consumer becomes the centre of economic activities, whose preference behaviour influences the volume of economic activity in any economy.

Research Problem

Economic Theories have also predicted that the effective demand determines the growth of the economy, as it encourages augmenting the level of output. To keep up this propensity to consume at higher level, **selling efforts** are geared up in developing countries. Thus amidst the storm of selling efforts and other environment, the consumer is no more left to be rational in his/her preference to consume durable goods.

Von Neumann and Morgenstern outlined their theory of Expected Utility, economists began adopting it not just as a model of rational behaviour but as a description of how people actually make decisions.

Economic theories assume and depend largely on the rational behaviour of the consumer. But his rationality is influenced by many forces, thus willingly or unwillingly he becomes irrational in his choices which ultimately lead him to fail in utility maximization. This prompted to make a study on the irrational consumer behaviour; economic, demographic, social, location, marketing strategies and other factors influencing preference behaviour of consumers for durable goods.

Scope

This present study attempts to examine the Consumers' preference for consumer durables. In the light of this, it tries to relate the **psychology** of the consumers with the **economic principles** that govern the demand for consumer durables. As the rational behaviour of the consumer is taken for granted in economics, this study explores the possible factors in the real field that influence the actual behaviour of consumer in making choice for the product. In this context, it is exploratory in nature. This may help to enrich the consumer in optimizing his income spending.

Analysis

Rational Behaviour Score (RBS) on five criteria were estimated to rank and test the rationality behaviour of the rural and urban consumers.

Conclusion

It is understood from this study that there is significant difference between the rural and the urban samples in terms of the source of awareness and the factors of preference for consumer durables. Consumers buy products to maintain and enhance social status, prefer to buy on credit without financial considerations, prefer to buy without any cost benefit analysis, they are prepared to lose social relations while they prefer to demand products in the market. This is how consumers are highly influenced by exogenous factors like media, traders and professional business people to behave irrationally in their preference for consumer durables. Thus resources of consumers are misallocated, they remain dissatisfied but keep on moving through new source and products in search of attainment of maximization of satisfaction. Rational and alert consumers who know exactly what they need and are not easily influenced by vested interest may attain maximum satisfaction and have a blissful living.

Dr.J.Missiadoss
Associate Professor, Dept., of Economics

Correlation Study among Employee Engagement, Organizational Climate and Role Stress

Every organization tries to focus on productivity of its employees and their loyalty towards them. However, in seeking productivity and achieving targets most organizations miss the human element of the organisation. Hence, for decades the management researches and consulting organizations tries to impress upon the organisations to give an importance to the employee relationship and these by bringing out the expected behaviour from the employees. Here, this research is much concerned over how the psychological bonding of the employees with the organization, plays a key role in making them more committed and involved as engaged employees. This research also tries to establish the correlation among organizational climate and role stress and employee engagement levels. The perception of organisational climate has greater influence in the way an employee assumes and forms an attitude towards

an organization. On the other hand the organisational role stress much more influence the employees' attitude on how one reacts to one's own role and to the responsibilities.

The study was carried out in manufacturing industries at Hosur industrial park of Tamil Nadu. Based on the objectives and the research problem, the researcher used Descriptive Design for this research with Multi Stage Sampling design in the selection of the study participants.

This research has meant to study correlation among Organizational Climate, Role Stress and employee engagement. The earlier components significantly effect a change in the behaviour of the employees that engages and disengages the employees from their work. Employee Engagement has evolved to be most important, being the recent subject of interest that has forced many industries to look into the factors that engages the employees with the work. Engaged workers are less likely to feel exhausted or to express pessimism toward the organization. This piece of research with its main findings and suggestions would help the Human Resource Managers in the Organisations to understand the need and enhance the employee engagement in their industries.

Dr.C.R.Christi Anandan
Asst. Prof. Dept. of Social Work

Work–Life Balance and Organizational Effectiveness A Study on IT/BPO Employees in Tamil Nadu

Work-life and personal-life are both sides of the same coin. Creating and managing balance between these two dimensions is called Work-Life Balance. Work-life balance is how we combine the demands of work with the demands of personal-life responsibilities.

According to John P. Campbell (1970), Organizational Effectiveness cannot have an operational definition, since an organization can be effective or ineffective on different facets that may be relatively independent of one another. Thus, organizational effectiveness reflects on - how an organization is equipped to survive in the modern competitive business world by adapting creative strategies.

Organization is basically a *human institution*. *The Real success of the organization* lay in the hearts and minds of its employees. The Employees are the great assets if properly managed otherwise the same would become the Non-Performing Assets. Organization should understand the psychology to convert these resources in to assets.

This study is presented in six chapters; following is the brief description of Chapterization.

The first chapter introduces the research problem by way of a brief general introduction about the research, concept of Work-Life Balance, concept of Organizational Effectiveness, Work-Life Balance and Organizational Effectiveness, Significance of the study, Statement of the problem, Scope of the study, objectives of the study, Hypotheses, Methodology of the study, Limitations of the study, Model used in the present study, Abbreviations, Chapterization and End note.

The second chapter presents the theoretical background of the study, which deliberates on the concept of Work-Life Balance, Definitions, Evolution of Work-Life Balance, Importance and Benefits of Work-Life Balance, Factors attributing to increase Work-Life Balance, Work-Life balance interventions and Types of Work-Life balance provisions, Awards of Work-Life

Balance. It also briefs on the relative concepts like Job Satisfaction, Affective Commitment, Employee Satisfaction and Organizational Effectiveness.

In the third chapter, an attempt has been made to present the existing literature on work-life balance provisions. Nearly one hundred and forty five articles in the field of work-life balance that have been related to different organizational outcomes - both India and Foreign countries were reviewed and given in abstract form in this chapter. It helped the researcher to find research gap and developed this study.

In the fourth chapter of data analysis and interpretation, the researcher has presented a detailed interpretation based on statistical analysis using Statistical Package for Social Science (SPSS) Version.20 to find out the relationship between and within variables, with the help of statistical tools namely, Descriptive and Inferential (Descriptive consist of Frequencies, Percentages, Cross tables and Charts; Inferential consist of Chi-square, “t”- test, “F” test and Correlation), and based on this, various inferences have been drawn.

The fifth chapter deliberates on the findings of the study that have been highlighted with proper interpretations and adequate reasoning.

The sixth chapter outlines the summary of findings and conclusion. Further, in this chapter the researcher has proposed several suggestions in her area of the study.

The conclusion of the study is, an employee satisfied with the WLB Provisions offered by the organization certainly satisfied with their job and also committed towards the organization at the same time they are satisfied towards their personal-life and bring Organizational Effectiveness.

Suggestion for further research is, the researcher feels that similar studies linking WLB and OE may carry out by adding some more variables at regional level / National level / International level. Comparative studies can be made by choosing various fields namely, Manufacturing industry, Service industries like Educational, Hospital, Banking which have not been covered so far, to know whether the findings replicate there too.

Dr. A.Arockia Mary
Asst. Prof., Dept. of Commerce

Exploring the Service Quality in Higher Education Pertaining to Management Studies in Vellore District: A Student Perspective

Dwindling quality is a matter of concern in technical and management institutions across India. But fostering excellence and quality in higher education presents a range of challenges. The present scenario and the economic slowdown have posted serious questions on the quality of higher education in India especially Management education that stands at the crossroad.

Management education was a popular choice because of its interdisciplinary nature and with admission to the course open to all categories of graduates. This growth has in fact far exceeded the demand of the industry in the last few years, thereby making Management Education especially Master of Business Administration (MBA) as one of the most preferred PG degree attracting tens and thousands of students every year. This has indeed led to the increase in the number of B-schools offering management programme and thus the competition among them. With the competition heating up gradually and so does the importance of ‘branding and Image’. The private education industry has emerged as one of

the biggest ad-spender. For many poorly rated b-schools, the ads work as a neutralizing agents. As the number of b-schools goes up, so does the confusion for the average MBA aspirant. The students seek 'more and better' information on b-schools in order to short-list their choice of destination. Thus a marketing approach to examine students' perceptions of service quality has to be done and the factors shaping the institutions' image in the context of higher education have to be understood to improve service functions, and attract and retain students.

Thus the aim of my study is to understand the role of service quality and its antecedents and consequences in a higher education pertaining to Management Education context. More specifically, the study shows the image formation process, in the context of university/Colleges, as one of the consequences of service quality evaluation mediated through student satisfaction and student trust. The findings of the study shed light on what affects service quality and how perceived service quality affects institutional image.

Dr.R.Arockia Mary
Asst. Prof., Dept. of Management

Academics Association Activities (Shift-I)

வீரமாமுனிவர் தமிழ் மன்றம்

பகுதி-ஒன்று மாணவர்களின் தமிழ்ப் படைப்பாற்றலை வளர்க்கும் நோக்கமாக வீரமாமுனிவர் தமிழ் மன்றம் செயல்பட்டு வருகின்றது. அதனடிப்படையில் மன்ற செயல்பாடுகள் மிகச் சிறப்பாக நடந்தேறியுள்ளன. குறித்த நேரத்தில் நிகழ்வுகள் நடந்தேறின. விருந்தினர்கள் சரியான துறைச் சார்ந்து தெரிவு செய்யப்பட்டனர். மன்ற உறுப்பினர்களின் வருகைப் பதிவு அனைத்து நிகழ்வுகளிலும் கட்டாயமாக்கப்பட்டது. நடந்தேறிய மன்ற நிகழ்வுள் பின்வருமாறு:

13.07.2017 வியாழக்கிழமை பிற்பகல் 2.30 விவாத மன்றம் நடைபெற்றது. சிறப்பு விருந்தினராக கவிதாயினி, கா.பிரபாவதி கலந்துகொண்டு பெண்களின் முன்னேற்றத்திற்குப் பெரிதும் தடையாக இருப்பது ஆண்களே, சமுதாயமே, பெண்களே என்ற தலைப்பிற்கு நெறியாள்கைச் செய்தார். நிகழ்வு முனைவர் ஆ.பிரபு அவர்களால் நெறிப்படுத்தப்பட்டது.

24.08.2017 பிற்பகல் 2.30 சுழலும் சொல்லரங்கம் நடைபெற்றது. பாவலர்சுவேலாயுதம் நடுவராக அமைந்து இன்றைய இளம் தலைமுறையினரை வழிநடத்துபவர்கள் பெற்றோர்களே, ஆசிரியர்களே, நடிகர்களே என்ற தலைப்பை நெறிப்படுத்தினார். நிகழ்வு முனைவர் க.மோகன் காந்தி அவர்களால் நெறியாள்கைச் செய்யப்பட்டது.

20-21.09.2017 ஆகிய இருநாட்களில் முத்தமிழ் விழா நடைபெற்றது. இந்நிகழ்வில் தமிழ் மன்ற உறுப்பினர்கள் மட்டுமல்லாது முதலாமாண்டு, இரண்டாமாண்டு மாணவர்கள் அனைவரும் கலந்து கொண்டனர். மாணவர்களுக்குப் பட்டி மண்டபம், விவாத அரங்கம் போன்ற பயனுள்ள நிகழ்வுகள் நடந்தேறின. மன்ற உறுப்பினர்கள் இந்நிகழ்வை மன்றத் தலைவர்கள் ஒருங்கிணைத்தனர்.

Department of English

Many association activities have been conducted in order to enrich the minds of the students from the department of English Literature and Language learners. Students enthusiastically participated in 'Talent Hunt' that was conducted on 29th of August 2017. The department of English was so proud to have two eminent chief guests Dr.P.Krithika, Asst. Professor, Periyar University PG extension, Dharmapuri and Dr.Mohammed Sahul Hameed, Associate Professor, VIT University, Vellore for the wonderful session entitled 'An Introduction to Literature and Language' held on 06th of November 2017. The session was a thought-provoking one to the students to understand literature and language.

Rev. Dr. Joe Sanjay, Sacred Heart College was invited on 03rd October 2017 to deliver a talk on 'Psychology and Language' that had been a great session to the students to come out of fear of language learning. Students are being trained to know the different aspects of research by the department staff under the guidance of Prof. N.Arul Doss, Head, Department of English- Shift -I and Dean of Students' Welfare was invited for a 'Talk on Language' on 23rd November 2017.

'Author Presentation' was held on 09th January 2018 in which many students got involved and presented their favorite authors. Students were encouraged whole-heartedly for their active participation. Staff of the department usually screen 'Text Based Films' by which

students can easily understand the novels and dramas. 'Drama Fest' and 'Seminar on Literature as Panacea' 22nd and 23rd February 2018.

Department of Economics (UG & PG)

Department of Economics had many achievements to be proud of and many activities involving both staff and students in the academic year 2017-18. On 30th June 2017, we the department of Economics conducted welcome party for the fresh beginners. On 4th August 2017 we had invited Mr.Nicolas, Winmax Academy, Chennai to conduct a workshop on 'Faster Career Growth' for class representatives from first year and second year and final year students. On 5th September 2017 'Teachers Day was celebrated to acknowledge, thank, appreciate, and honour our Teachers. On 8th September 2017, a workshop on 'How to Prepare for Competitive Exams?' was conducted by Dr.A.Xavier Susairaj for the final year students.

On 15th September 2017, 54th A.D. Shorff Inter Departmental Elocution Competition was conducted by Prof.S.John Sundar for all the UG students of various departments of the college. On 8th December a One day Workshop on 'SPSS' was conducted by Dr.A.Royal Edward Williams for PG students and also for M. Phil, Ph.D scholars of our department. The second invited talk was on 13th December 2017 by conducted by Dr.A.Royal Edward Williams regarding 'SEBI' to the third year students of UG and first and second year PG students.

On 10th January 2018, we conducted a one day seminar on 'Goods and Service Tax (GST)' by Dr.A.Xavier Susairaj collaboration with IIPA, Tirupattur branch. On 12th February 2018, we are planning to conduct Talent's Fest-2018 for all the classes of our department. On 13th February 2018, we are going to conduct Inter Collegiate Competition under the name ECON FEST'18 and we have planned to visit industries during this month.

Department of Commerce

The Department has an active Association, which keeps on recharging students with lots of activities and programmes including curricular and extra-curricular. The association is functioning under an elected office bearers consisting of President, Secretary, Joint Secretary and two class representatives from each class. For selecting the executive committee, the election to the students was conducted on 21st June 2017.

The activities of the association for the year began with the inauguration on 6th July 2017. The following events / guest lectures and workshop were organized.

Freshers Day

The activities of the Department of Commerce commenced with freshers welcome party on 30th June 2017. On this occasion, a video presentation was given by the senior students to the first year students to make them know about the department and the events organized by the department during the previous year. The second and third year students also organized various events for the first year students.

Awareness Programme on "Career in Sales and Marketing"

The Department has organized an Awareness Programme on "Career in Sales and Marketing" on 21st August 2017. Mr.L.Satheesh Kumar, Marketing Manager, LOTTE India Corp. Ltd., Chennai was the resource person. In his speech, he said that sales career offers an opportunity for financial success and provides a sense of accomplishment and pride with each

new sale. A number of people may see a sales career as a default career choice but there are many benefits and rewards to a career in sales that far outweigh the often misrepresented view of this profession. He also assured job openings in sales for our students.

Special Lecture on “Hedge Funds”

The department organized a Special Lecture on “Hedge Funds” on 22nd August 2017. Mr.David Rajan, Senior Analyst, Liwa Capital, Dubai delivered a lecture to the Final year UG, PG and M Phil Students of the department on Hedge Funds. Investments in these funds are too risky and at the same time they are highly remunerative. Due to this very few firms come forward to invest in these funds.

Guest Lecture on “Goods and Service Tax”

A guest lecture was organized on ‘Goods and Service Tax’ on 1st September 2017 for the department students. The session was conducted by C.A. L.Praveen Kumar, Chartered Accountant from Bangalore. In the session the speaker talked about the covered features of G.S.T., its need, its functioning, forms and returns to be filed under G.S.T and the impact of implementation of G.S.T. on Indian economy. The lecture ended with an interactive session among the resource person the students and faculty present for the session. He invited students to take up financial analysts job in Bangalore after completing their degree programme.

Industrial Visit

An Industrial visit was organized for the II B Com students to Salem Steel Plant, Salem. The main objective behind this visit was to make students aware of how various activities related to production, marketing, financing and human resources are carried out in the organization and to give them a feel of different professions as soon as they start their course.

ICC 2K17

Intra Commerce Competition was organized on 6th December 2017 for our students to gain practical exposure in the field of Commerce. Events such as Group Discussion, Business Quiz, Stress Interview, MIME, AD ZAP, Business Profile Presentation and Waste Management were conducted for our students to enrich their talents and skills.

National Seminar on GST

A One Day National Seminar on “The Role of Goods and Services Tax (GST) in the Development of Indian Economy” was organized by Department of Commerce, Sacred Heart College, Tirupattur, Vellore District on 15th December 2017. The inaugural function was chaired by Rev.Dr.D.Maria Antony Raj, Principal, Sacred Heart College, Tirupattur and Dr.K.A.Maria John Joseph, Head, Department of Commerce, Sacred Heart College, Tirupattur. Rev.Dr.C.Antonyraj, Rector & Secretary, Sacred Heart College, Tirupattur was the Guest of Honour. The programme was attended by 315 students (210 from Sacred Heart College and 105 students and staff from other colleges in Tamil Nadu and Andhra Pradesh).

Department of Mathematics (UG & PG)

The Department of Mathematics conducted Fresher’s Day for UG students on 30th June 2017 and for the PG students on 14th July 2017. On 11th July 2017, the department invited Dr. Major.M.Syed Shahabudean (Retired Principal), Islamiah College, and he gave motivational talk to the UG and PG first year students. The programme was organized by Dr.R.Murali, UG Head.

The department invited Dr.R.Srinivasan, Associate Professor, Islamiah College on 21st July 2017. He gave a talk to the PG Students which was organized by Prof. P. Manoharan, Association President, Department of Mathematics. On 31st July 2017 Mr.P. Sankar, Senior Research Fellow, Kerala School of Mathematics, Trivandrum gave a speech to UG students.

Aptitude Quiz was conducted on 27th August 2017, for the UG students to improve their basic knowledge in Mathematics. A Staff Seminar was conducted on 30th August 2017, Dr.D.Ajay, delivered a talk on Fuzzy Logic and It's Application to the UG Students. On 05th September 2017 Teachers Day was celebrated, students expressed their gratitude to Teachers on that day.

The department organized a workshop titled "Scientific Programming for Mathematics" on 09th December 2017 for UG Students and the Resource Person for this program was A.Benevatho Jaison, School of Advanced Sciences, VIT University, Vellore. UG Students benefited from this programme. On the same day a "Workshop on LaTeX" for final year PG students was organized to enrich their project work. The following were the resource persons for this programme, Dr.A.George Maria Selvam, PG Head and Research Department of Mathematics, SHC, Mr.S.U.Vasanth Kumar, Head of the UG Department (Shift – II) and Dr.P.Narasiman from Thiruvalluvar University Constituent College, Kajalnayakkanpatti, Kandhili, Tirupattur.

On 15th December 2017, Sharing Day programme was organized by PG final year students in Karunai Illam, Vaniyambadi and UG final year students in Bosco Nagar, Tirupattur. It is an opportunity for the students to share with the needy people. 16th December 2017 was a special Day for the Department of Mathematics. As the department celebrated Ramanujan's Day and we conducted programmes like Seminar, Poster Presentation, Drum Charades, Written Quiz for (PG) and Formula Writing for (UG) Students and Drawing. This gave an encouragement for the Students to exhibit their talents.

National Conference on 'Discrete Mathematics and its Applications' was conducted on 9th and 10th February 2018.

Department of Physics Turns Gold

The Department of Physics, Sacred Heart College, Tirupattur turns GOLD (1968-2018) this year. As part of the celebrations the Department organized several events to mark the occasion. Every event of this academic year 2017-18 had tint of Jubilation. The association activities commenced with the fresher's day celebrations on 30th June during the last hour of the day. The III B.Sc. Physics students organized the event. The Head, Dr.A.Albert Irudhyaraj, welcomed the freshers and introduced the faculty members. There were a few ice-breaking games that made the freshers feel at home and to mark the occasion each one of the freshers was given a file and a pen as souvenir. The event came to a close over a sumptuous tea.

The Industrial Visit for the I B.Sc., students to the District Science Centre, Vellore took place on 5th July 2017. The programme was organized by their class teacher Rev.Dr.G.Theophil Anand and Dr.A.Dhayal Raj accompanied them.

On 6th July 2017 the first Invited Talk was delivered by Dr.V.N.Mani Scientist E, from Centre for Materials Electronics Technology, Hyderabad. He delivered a motivating talk on the topic, "Learning Science and Choosing it as a Career and Job Prospects", which was much appreciated by everyone.

The official Thanks Giving Mass for the golden jubilee year was celebrated on 19th July. The Holy Mass was celebrated by the Rector, Rev.Dr.C.Antonyraj along with other priests of the institution. Every student belonging to various religious faiths participated in the Holy Mass and thanked the Lord for His manifold blessings.

As part of the golden jubilee celebration the Department of Physics organized a science exhibition on 20th to 21st July 2017. Students of both the shifts and neighbouring colleges and schools participated in the exhibition. Prof.S.Veeraraghavan, former Head of the Department of Physics presided over the function and made it grand and remarkable.

All the students took part in the college level sports day with gusto that was held on 28th July 2017. The students won the overall third place at the college level. Dr.A.Albert Irudhayaraj, the head congratulated all the participants and students.

The II B.Sc. Physics students attended the three days DEEDS programme from 31st July to 2nd August 2017. The programme was monitored by Dr.A.Dhayal Raj. The students visited Pudupettai village and gave awareness programmes to the villagers as well as for the children of Pudupettai Government Higher Secondary School. The beneficiaries were very appreciative of the programmes.

There was a one day programme organized at Kavaloor Observatory on 10th August 2017. Ten of our students from both shifts participated in various competitions and won prizes.

The II B.Sc. Physics students went for an industrial visit to Hosur Fleet Guard Filters Private Limited on 18th August 2017. Dr.A.Albert Irudhayaraj, the head and Mr.D.Daniel Lawrence, their class teacher accompanied them.

To mark the occasion of golden jubilee, the department organized an Intra-Departmental Physics Quiz Competition on 17th August 2017 by Mr.D.Daniel Lawrence. The winners were awarded prizes.

The first students' seminar was conducted on 24th August 2017. Mas.R.Velmani, Mas.S.Poongundran, Mas.A.Govindasamy, and Miss.V.Komathi gave their presentation. Their topics were mostly connected with the universe, time travel and the like. At the end of every talk there was an interactive session where the students asked questions.

There was an intra-departmental debate on the topic, "The Effective Learning of Science is in the Hands of Students and Teachers or in the Hands of the System", on 28th August 2017. The debate was moderated by Dr.M.Jose and Dr.J.Anto Pradeep. It was wonderful to see that everyone got involved.

The Teachers' Day was celebrated in the department on 05th September 2017 during the last hour of the day. All the teachers were honoured by the students. There was a special prayer service before the felicitation.

A Two Day UGC sponsored National Conference on "Smart Materials" was organized on 11th to 12th September 2017. There were about 6 resource persons from all over the country. The conference was widely represented by participants from within and outside the state. Rev.Dr.G.Theophil Anand was the convener.

The second invited talk on the topic, "Development of Environmental Friendly Waste Water Treatment" was given by Mr.N.Ramesh, Technical Manager, VRV Lungi Company, Arakonam on 13th September 2017. All the students participated in it.

As part of the golden jubilee celebrations an intercollegiate competition was conducted on 21st September 2017. About 11 colleges in and around the locality participated in the

programme. Several competitions were conducted and prizes were distributed to the winners. Dr.A.Dhayal Raj was the convener.

The third special invited lecture was on “Recent Finding in Crystal Growth Research and Opportunities for the Science Students in doing research at various institutions” by Prof. H. L. Bhat, Department of Physics, Indian Institute of Sciences, Bangalore, on 04th October 2017. All the students belonging to both shifts participated in it.

The III B.Sc. Physics students went on an industrial visit as planned on 25th September 2017 to B.M Birla Planetarium, Chennai. They were accompanied by Dr.A.Albert Irudhyaraj and Dr.J.Anto Pradeep.

The students of Physics took active part in the annual cultural programme organized by the college on 25th November 2017 and got the overall third place. Every staff members appreciated their involvement.

There was an intra-departmental sports meet on 13th December 2017, in the afternoon. The students were divided into 12 teams altogether both boys and girls separately. The boys had square ball competition and girls had throw ball competition. Rev.Dr.G.Theophil Anand organized the event.

The second students’ seminar was conducted on 14th December 2017. Mas. Edwin, Mas. Suriya, Mas. Kesavaraman, Mas. Vasanth and Miss. Fowsiya gave their presentation. The topics that dealt by them were on solar system, electronic communication, sensor, black hole and the history of atom. The seminar was much appreciated and at the end of every talk there was an interactive session.

The department had its sharing day on 15th December 2017 at Government Primary School in NM Kovil, Jothimangalam Village, Tirupattur Taluk. The III B.Sc. Physics students along with representatives from I and II B.Sc. students visited the school. Over and above the 25% of ISR contribution students donated whatever they could afford students expressed their solidarity with the poor.

There was a state level intercollegiate quiz competition for Zone – VII jointly organized by the Department with IGCAR, Kalpakkam on 18th December. Dr.A.Albert Irudhayaraj along with Mr.A.Arul Anantha Kumar, Scientific Officer/E, Radiation Dosimetry Section, Radiological Safety Division, IGCAR conducted the event. It was well represented by students from different college of this zone.

On 19th January 2018 the Department organized a two day workshop on ‘Practical Skills for Effective Teaching of Physical Science’ for neighbouring school teachers. Prof.A.Santhana Krishnan, Mr.P.Suriyakumar and Dr. Kulothunga Sozhan were the resource persons. On the second day in the afternoon the participants went for lab visit to all the science labs of the College. About 25 teachers in and around the locality participated in the programme and got benefitted.

On 27th January 2018, the Department organized the alumni meet. All the retired professors and former lab assistants were the guests of honour. Nearly 250 past pupils participated in it. This golden union was a grand and memorable gathering of all the alumni of Physics Department.

From 29th to 31st January 2018, the Department organized 22nd National Seminar on Crystal Growth and its Applications. Dr.G.Martin Britto Dhas and Dr. M. Jose were the conveners. The seminar was highly attended by participants across the country. More than 35 lectures were distributed over three days of the seminar.

The grand finale of the golden jubilee celebrations of the Department of Physics was on 7th February 2018. There were cultural programmes, felicitations of the retired professors, former lab assistants, distinguished alumni, and the faculty members. Outstanding students were awarded on that day. The year-long celebrations came to close over a sumptuous dinner.

Department of Chemistry

On 22nd June 2017, the Department of Chemistry, went to Industrial Visit organized by Sacred Heart College, supported by Entrepreneurship Development Institute of India (EDII). On 30th June 2017, the Department of Chemistry, conducted Welcome Party to freshers. On 26th July 2017, the Department had an invited talk by Prof. C.R.Christy Anandhan, Asst. Professor, Department of Social Work, on “PERSONALITY DEVELOPMENT” for the students. On 23rd and 24th August 2017, the Department organised national level conference on “RECENT TRENDS IN CHEMISTRY-2017”, The entire department students were involved and also 100 other college students participated.

On 5th September 2017, the Department celebrated Teacher’s Day celebration. On 27th September 2017, The second invited talk was given to the Third year students by, Dr.Theerthagiri. He directed a talk on “SOLAR ENERGY CELLS”. On 16th December 2017, sharing day was celebrated in the primary school located at NGO street, along with this the cultural fest and inter departmental sports competition were carried out during this month.

On 6th January 2018, the Department conducted students’ seminar, and the students delivered the talk on the topic of “AMINO ACID AND ITS BIOLOGICAL ROLE” and another topic “ENVIRONMENTAL CHEMISTRY”, Along with this, Career Guidance Programme was given by Dr. Raja Vadivelan, past pupil of our department. The “MOODLE” Training programme was organized by Dr.V.Collins Arun Prakash Dept. of Chemistry, for the students. On 30th January 2018, there was 3rd invited talk.

Department of Computer Science (UG)

The contest for **Election** of Secretary and Joint Secretary of Computer association for 2017-18 was conducted on 26.06.2017 in the class room by the staff in-charge Dr.Maria Dominic with the Association President Prof.R.Sandrilla. Master Akash was unanimously elected as Secretary and Master. Franklin Joseph was elected as the Joint Secretary.

The **Fresher’s Party** for the I year students was conducted on 30.06.2017 in De- Fiore Hall by the III year students with preplanned entertainment shows. The freshers were insisted to introduce themselves to the gathering and made them to feel at home.

An Invited Talk was organized on **Psychological Issues** for the II and III year students on 28.06.2017. Prof. Latha Muniswamy, Psychological Counsellor, shared psychological issues in the present world and also instructed the students on how to overcome those problems.

The **Annual Sports Meet** for the college was held on 28th July 2017. Mr.N.Annavi, National Coach, Southern Railway, Tiruchirappalli Division was the honourable chief guest for the sports meet. The department students achieved multiple places in the event and have won the overall championship on that day.

A seminar on **Skinput Technology** for the III year students was conducted on 18.08.2017 in Pope Francis Hall. Master Prashanth Rao. S shared his knowledge on the respective topic and also described the origin and invention of that technology. He explained in detail the functions and working of the technology.

The Department organized a Talk on Input for **Sound Mind** on 23/08/2017 at Mother Teresa Hall. Prof A Arockia Mary from the Department of Business Administration was the resource person. She started her session with the prayer song. She spoke about the recent conflicts in the boy-girl relationship and explained the ways to control and keep the heart pure and she shared some real life incidents which had affected uncommon people's life.

Then, she gave significant thought on achieving great things by avoiding small distractions and also gave biblical examples of youth who had faith and fear of god and asked students to follow that way. She concluded her talk with a prayer song.

An Invited Talk on **Importance of Research** was delivered on 03/08/2017 in Mother Teresa Hall. **Master Santhosh**, Research Scholar from the Department of Computer Science was the resource person. He spoke about the needs of research in the present world. He also raised many questions to the students. Then, he explained the necessity of the questioning word "WHY?" With the word "why?" one can get much knowledge about anything. He finished his talk with explaining the impacts of research.

On 05/09/2017 in Mother Teresa Hall the **Teachers Day** celebration was arranged in the department by the students to exhibit their love, respect and affection towards the teachers.

A seminar on **Sixth Sense Technology** was planned and conducted on 06/09/2017 for the III year students. Master Akash S and Master Lino Chuol shared their knowledge about the Technology. They described the origin, invention function and working of that technology. They also demonstrated the advantages and disadvantages of the technology. Students clarified their doubts about the technology.

The Department organized a **Certificate Course** in the month of August for the students. The I year Students undertook JavaScript course with maximum of 30 hours which is added as 1 credit in their mark sheet and the II year and III Year had the option of taking JavaScript with maximum of 60 hours with 1 credit. They were also awarded with the certificate.

The Department has organized **Remedial Classes** in the month of August for the students with the help of M.Phil. scholars. It helped both the M.Phil scholars and students to gain knowledge.

The 9th State Level Inter Collegiate IT Fest **SPACE 2k17** was organized by the department of Computer Science on 14/09/2017 in Don Bosco Indoor Stadium. Around 33 teams from 13 different colleges have participated in this IT Meet. Mr.Domnic Savio, Project Director, Hexaware Technologies, Chennai and Mr Balaji Kani, Software Engineering Manager, Juniper, Bangalore were the chief guests on the day.

A Workshop on **Hands on Multimedia** was conducted on 04/12/2017 in Mother Teresa Hall. A session by Master. Arun, inspired the students to work and edit their photos, video using the software's CS Photoshop, Wonder share and Pinnacle.

An Invited Talk on **Project Methodology Phase I** was held on 13/12/2017 in DMT Hall. Prof Shinoj from the Department of Computer Science, Don Bosco College, Yelagiri was the resource person for the programme. He started his session with the template for the project proposal and explained all the elements which were needed to do the software project. He also explained collecting requirements for the project by taking the student's project as sample.

The **Sharing Day** of the Department was conducted on 15/12/2017 in Mahatma Old Age Home, Kathirimangalam, Tirupattur. The students took active involvement in sharing their time with the old aged people.

The annual event **Talentina 2k17** was conducted on 06/01/2018 in the GCC Lab by the academic association committee to expose the talents of the students.

An Interdepartmental Sports meet **SHAFT** was conducted on 27/01/2018 organized by the department for both Girls and boys separately, to ensure them to take part in physical activity.

An Invited Talk on **Project Methodology Phase II** was delivered on 03/02/2018 in DMT Hall. Prof Shinoj from the Department of Computer Science, Don Bosco College, Yelagiri was the resource person for the programme.

A session on **Mathematical Aptitude** was organized for the students on 06/02/2018 at Pope Francis Hall. Dr. Merceline Anita was invited as the resource person. The main intention of the programme was to love mathematics with real life instances and to boost the students to cultivate their aptitude for interviews.

A Workshop on **Android Development** was conducted on 10/02/2018 at Mother Teresa Hall. A session was taken by Mr.C.Sathishkumar, Sacred Heart College, inspired the students to do their projects on Android.

An Intra-Departmental IT Fest **COMMUNE 2k18** was organized by the Department of Computer Science on 15/02/2018 in Don Bosco Indoor Stadium.

Students were given chances to take seminars voluntarily on various new technologies. Around 20 Students actively participated and handled the seminar in the weekly association programme which was named as **Student Corner** in order to bringout their talents.

The III year Students actively Participated in Various **Inter collegiate** and **Intra collegiate** competitions and won numerous prizes which gave them vast exposure.

The **Farewell Party** for the III Year students was conducted on 30/03/2018 in De- Fiore Hall by the I & II year students with preplanned entertainment shows.

The **Thanks Giving Day** was organized by the department on the last day of the college working day with a holy mass in order to thank God, the Almighty for His blessing throughout the academic year.

Department of Business Administration

On 30th June 2017, the Department of BBA., conducted welcome party for the beginners. On July 3rd 2017, the Department invited Mr. C.R.Christy Anandan, Asst.Professor, Dept. of Social Work, to conduct Motivational Programme for the first year students. On 7th July 2017, the second invited talk was conducted by our third year student Master Kiran regarding 'How to Prepare PPT?' to first year students. The third invited talk was on 12th July 2017, by Prof.R.Veerapan to motivate the first year students. On 14th July 2017, the Department invited Dr.M.Raguraman, the Head, Dept. of Commerce, Govt. Arts College, Burgur to speak about research methods to second year students and also On 21st July 2017, he addressed about Personality Development for the same class students.

On 6th September 2017, the Department conducted National Level Seminar on Demonetization, the whole department students were involved and also 300 out-side participants also got benefitted. The following were the resource persons of the programme namely, Dr.A.Jayasagar from Kerala, Prof. Imran Basha from Bangalore, Prof. Arulmurugan from Pondicherry and Dr.S.Sasikumar Head, Dept. of Management studies, SHC, TPT.

On 14th December 2017, we have invited Prof.L.Raja, past pupil, Dept. of Computer Science, to speak about 'The Role of Computer in Management'. The second year BBA students got

benefitted. Under the leadership of Prof.R.Veeraragavan, Asst. Professor, Dept. of MCA, SHC, we arranged e-learning programme on 14th December 2017 to all the students of the department. On 15th December, sharing day was celebrated along with this the cultural fest and Intra Departmental Sports Competition was carried out during this month.

The ninth invited talk i.e., on 7th January 2018 was delivered for the final year students by Prof.B.Seenivasan, Asst. Professor, Dept. of Commerce (CA), SHC under the topic 'Social Media Marketing'. On 30th January 2018, the Department organized 13th year of ADMIN Fest-2018 with all the students of the Department. On 21st February 2018, the Department conducted 11th year of Inter College Competition under the name SHAPE-2018 and also we visited industries during this month.

Department of Biochemistry (UG & PG) & Microbiology

The association activity for the academic year 2017-18 started with the inauguration along with the Freshers Day celebration on July 2017. The II and III year students welcomed the juniors. The newly joined students introduced themselves in the programme and the celebration ended with the national anthem. On July 2017, the selection for the annual day sports meet for the UG/PG students at the department level was held. The selected students were shortlisted for the annual sports meet. In the same month the II MSc., students went to the Sophisticated Analytical Instruments Facility (SAIF), Lab which was a part of campus visit and learned the working methods of some of the Biochemical Instrumentation, which includes GC-MS, HPLC, FTIR etc., On July 28 in view of World Hepatitis day the M.Sc., students prepared charts to explain the cause, symptoms and preventive methods and thus made a great awareness in the college campus.

Science exhibition was held at the department level on 28.07.2017 in the UG and PG laboratories. Students showcased their innovative science experiments and explained them in detail. A department level, BIOCHAMP 2017 competition was organized on 15.09.2017 among the UG and PG classes. Events showcasing the talents of the students were organized. Students actively participated in the events. On 19.09.2017, a Department level paper and poster presentations were held. The best paper and posters were shortlisted for BIOZONE 2017. On 26.09.2017, National Conference on "New Vistas in Life Science Research" was held in Carreno Hall which was inaugurated by Rev. Fr. Rector and felicitated by Rev.Fr.Principal. Dr.M.Ramya, Coffee Quality Specialist, Coffee Board, Bangalore and Dr.Syed Wajeed, Associate Professor & Head, Department of Microbiology, St.Joseph's College (Autonomous), Bangalore were the resource persons for the conference. Outside participants from various colleges actively took part in the conference. On 30.11.2017, Intra Departmental Sports competition was organized. On 11th December 2017, the Department organized a special lecture on 'e-learning and its importance' by Prof.R.Veeraragavan, Asst. Prof., Dept. of MCA, which directed the students towards modern learning.

Department of Social Work

On July 3rd 2017, 'Induction Programme' was organized by the department for first year post graduate students of Social Work Department. The aim of this programme was to introduce the course and the activities to the freshers to be carried out in the department. As more of goodness the academic year of the department was planned to start with a 'Holy Mass' and the same was organized on July 6th 2017. Rev.Fr.Andrews Raja and Rev.Fr.Daniel Ambrose celebrated the mass and blessed the Department Staff and Students. 'Welcoming is an art',

second MSW students welcomed the first MSW students on July 12th 2017 with a meaningful programme and made the freshers feel one among the family of Department of Social Work. From July 17th to 21st of 2017 the Department organized 'Street Theatre Programme' for first MSW students which aimed at training the students in voice culture, personality development, folk arts, communication and group coordination. This training was headed by Mr. Stephen from Madurai who is the master of all folk arts.

'The Best Donation is to Donate Blood', Being social workers to inculcate this value the department organized a one day 'Blood Donation Camp' on August 4th 2017 in collaboration with Christian Medical College (CMC), Vellore. A team of Doctors, nurses and technicians with all proper equipments came and collected blood from the students. Nearly 200 donors from Sacred Heart College donated their blood with willingness and the donors were rewarded by a certificate as a token of appreciation by CMC. As a Go Green initiative the department started 'Planting Saplings' from 3rd August 2017. These saplings will be grown in the department by students and it will be planted and donated in and around Tirupattur.

On 11th September 2017, Fr. Gandhi from Japan was invited to give a talk for the students. His talk was on cultural difference between India and Japan and the practices to be learned from Japanese people. As part of physical development for the students the department organized a two day 'Intradepartmental Games' on September 20th and 21st 2017. Boys played football and cricket and girls played throw ball and shuttle cork. On 23rd September 2017 there was an invited talk from the team of NIMHANS - the talk aimed at motivating students for their higher education and to address the challenges which students face in this current challenging job scenario. On 21st December 2017 the Department organized 'Meaningful Christmas Day' by sharing gifts and love to the nearby people.

The Department organized a one day training program on 'Attending Interview and Interview Skills' and a one day 'Seminar' through NABARD in the month of February, and 'Womens Day and Farewell Celebration' in the month of March 8th 2018.

Department of Computer Science (PG)

The secretary election was conducted on 22/06/2017, Miss.Nandhini from II M.Sc Computer Science has been elected as secretary. The joint secretary was elected on 03/07/2017. Freshers Day for the first year was celebrated on 14/07/2017. In the month of July, 10 days Bridge Course on communication has been conducted for both first and second year students to enhance their speaking skills. Second year students were taken to various seminars on new trends in Information Technology as part of association activities during the odd semester. On 01/09/2017, Intercollegiate IT Competition SHARP'17 has been conducted successfully by the Department. Teacher's Day Celebration held on 05/09/2017 to greet the staff. In the direction of the Sharing Day, the Department staff and students went to nearby 'Mahatma Gandhi Old Age Home' on 15/12/2017 and celebrated Christmas and sharing the needed things for them. On 08/02/2018, a one-day Hands-on Workshop on Python Programming was conducted and Students from various disciplines of Computer Science and Applications of UG and PG of our college and other college participated. The resource Person Mr.J.Sathishkumar from Valeo Tech India Private Ltd., Chennai delivered the sessions on Python Programming during the workshop. Intra-departmental competition LOGIN'18 was conducted on 15/02/2018 for both first and second year students of Computer Science.

Department of Software Technology

Software Technology Association provides an opportunity to the students to explore their talents in Technical and Organizational skill in the field of Information Technology and Computer Applications. On every Thursday after the class (from 2:30 p.m. to 4:30 p.m.) students take their turn to exhibit their skills in Information and Technology. Staff members make sure that the students have sufficient practice and rehearsal before they come and present the skills. Students shared their knowledge in Android, C# .NET, Flash, ASP.NET, Block Chain, Data Mining, Python, Struts and Hibernate.

SHARP (Sacred Heart Achievement Recognition Programme) is an intercollegiate Technical Symposium conducted for the PG Computer Science / Software Technology students. This year it was held on 1st September 2017, 81 participants from 9 colleges took part in the events. Dr.Radhakrishnanan Palanikumar, Associate Professor, King Khalid University, Abha, Saudi Arabia was the chief guest of that day. Participants appreciated the way in which symposium was planned and executed. Vasavi Vidya Trust Group of Institution Salem won the overall championship.

Invited talk on Gamification was delivered on 23rd September 2017 by Mr. Mohan Kumar, CEO, Gamasome Interactive, Bangalore.

Department of Counselling Psychology

On 4th July 2017 the faculty of PG Department of Counselling Psychology along with the seniors conducted the freshers day for the first years students. Rev. Dr.I.Joe Sanjai on 7th July 2017 organized fear management programme for all the students. He explained VKD – Visual Kinesthetic Dissociation, how one's sensation and information in memory are associated and the steps of NLP have been applied to overcome fear. From 20.07.2017 to 27/07/2017 for the students of I & II years a course on Inner Child Healing was conducted at Anugraha, Dindugal. The Stress Buster day was conducted by PG Department of Counselling Psychology Association on 8th August 2017. The second year students of Counselling Psychology teamed up and conducted this event on the last day of CA exam to relieve the stress accumulated due to Continuous Assessment Exam. On 15th August 2017 a special programme on Independence Day was conducted in the department under the guidance of HOD.

The students exhibited the love for nation and Women Empowerment through dance and mime. On 24th August 2017 in Mother Teresa Hall, Sacred Heart College Ms. Latha Munuswamy highlighted the importance of seeking professional help and supportive help in case of encountering mental health issue for Youth Red Cross (Shift-II) students with help of PG Department of Counselling Psychology Association members. On 30th August 2017 Course on Dyslexia was conducted by Ms. Latha Munuswamy in the Helix open school, Salem. The various types of learning disabilities were highlighted. The students of PG Department of Counselling Psychology Association celebrated the Teachers Day on 5th September 2017.

On 14th September 2017 the first and second year students of Counselling Psychology attended workshop on Counselling Therapy session at Fountain College, Krishnagiri. It was animated by Fr. John Antony, Fr. Alex Xavier and Fr. Stanley from the Fountain College. To make the students aware of HIV and Addiction the first year students visited YRG Care, Chennai on 25th September 2017, where Dr. Lakshmi Prasath gave an orientation about the institution and imparted the basic knowledge on HIV and the hazards of consuming alcohol.

On 4th October 2017 students of Counselling Psychology along with Ms. Latha Munuswamy conducted the session on Inferiority Complex for B.Sc., Physics 3rd year students of Sacred Heart College. The concept, causes, signs and symptoms and management techniques were elaborated to the students. From 5th to 7th December 2017 a course on Clinical Hypnotherapy was organized by the faculty of Counselling Psychology Department. Rev.Fr. Stanley was the animator of the course and most of the first year and second year students participated and learned the essential skills in hypnotherapy. Christmas Sharing day was celebrated on 22nd December 2017 by the students of the Counselling Psychology Department. Rev.Sr.Anto headed the programme and it was held at orphanage for children, Vaniaymbadi.

A Report on SHINE

SHINE (Sacred Heart Informatics Network for Enterprises) Association, PG Department of Computer Applications provides a platform to showcase the students' talents and technical skills in the field of Computer Science and Information Technology. Students were divided into nine teams and each team was assigned with a staff in-charge to facilitate them to exhibit their talents. The teams took their turn every week to share their knowledge and expertise in recent trends in Information Technology.

This year SHINE an intercollegiate technical symposium was held on 7th September 2017 and 168 participants from 15 colleges registered for the events. Mr. Benjamin, CEO, LeSoftee, Salem was the chief guest and delivered the keynote address. Rev. Dr. Praveen Peter SDB, Vice Principal presided over the function and gave the presidential address. The participants actively participated in all the events. Loyolla College, Chennai won the overall championship

Apart from the regular association activities, useful invited talks by Industrial Experts were delivered on Gamification, Attitude and Aptitude, Project Methodology, ERP and Networking.

Department of Management

Management week – A day as a mark of tribute to the society's well being, was organized, this programme included sapling plantation, charity visit, blood donation and awareness creation etc., which had developed a deep sense of belonging to the society among the budding managers. The department has also worked for the creation of awareness among the college students and the local business men about GST and its relevance. The department has so far organized 5 Industrial Visits to the reputed organizations like - Godrej, Ramco Cements, Salem Steel Plant, Ponleit and TVS Fastners. The department did take the great initiative to start the PG diplomas on Human Resource Management, Export and Import Management and Logistics Management in the current academic year. Further a workshop was conducted on stress management by Dr.Hermann Steiner-Kripanidhi Institute of Management, Bengaluru to educate the students on the increasing importance of stress management in work places. Along with this the department conducted Soft skill training and communicative course which focused towards the placement of students.

Academic Association Activities (Shift-II)

வீரமாமுனிவர் தமிழ் மன்றம் (இளங்கலை)

வரவேற்பு விழா

இளங்கலை முதலாம் ஆண்டு மாணவர்களுக்கு வரவேற்பு விழா கரேரோ அரங்கத்தில் முனைவர் பொன். செல்வகுமார் அவர்கள் தலைமையில் நடைபெற்றது. அதில் மாணவர்கள் தங்களின் தனித்திறனை வெளிப்படுத்தும் வகையில் பல கலை நிகழ்ச்சிகளை நடத்தினர்.

திரைக்களம்

மாதந்நோறும் நடைபெறும் இந்நிழ்வில் தங்கல், குற்றம் கடிதல், கக்கூஸ் ஆவணப்படம் ஆகியன திரையிடப்பட்டு விவாதம் நடைபெற்றது. குறிப்பாகக் கக்கூஸ் திரைப்பட இயக்குநர் திவ்யா பாரதி சிறப்பு அழைப்பாளராகக் கலந்துகொண்டு கக்கூஸ் ஆவணப்படம் குறித்து சிறந்த கலந்துரையாடல் நடைபெற்றது.

தேடல்

மாதந்நோறும் நடைபெறும் இந்நிழ்வில் இளங்கலை மற்றும் முதுகலை மாணவர்கள் கலந்துகொண்டு நூல் விமர்சனம், அறிமுகம், மதிப்பீடு செய்தனர். மேலும் படைப்பாக்கத்தை வளர்த்தெடுக்கும் விதமாக கவிதை, சிறுகதை, கட்டுரைகள் எழுதி வாசித்து வருகின்றனர்.

வாசிப்பு அரங்கம்

இந்நிகழ்வில் மாணவர்கள் தேர்ந்தெடுத்த நூல்களை வாசித்துவரக் கூறி ஆய்வியல் நிறைஞர் வகுப்பறையில் விவாதங்கள் நடைபெற்றன.

சிறப்பு நிகழ்வுகள்

அன்னை தெரசா அரங்கத்தில் இரண்டு நாட்கள் கவிதைப் பயிலரங்கம் நடைபெற்றது. அதில் கவிஞர் நேசன், டாக்டர் எஸ்.ஆர் கலை & அறியவியல் கல்லூரி, விருதாச்சலம் மற்றும் கவிஞர் ஸ்ரீநேசன், அரசு ஆடவர் கலைக் கல்லூரி, கிருஷ்ணகிரி ஆகியோர் கலந்துகொண்டு சிறப்புரை ஆற்றி, மாணவர்களுக்குக் கவிதை, வாசிப்பு, விமர்சனம், கவிதை எழுதுதல் போன்ற பயிற்சிகள் வழங்கப்பட்டன.

அன்னை தெரசா அரங்கத்தில் இரண்டு நாட்கள் நாடகப் பயிற்சி பட்டறை நடைபெற்றது. அதில் நாட்டுப்புறக் கலைஞர் க. சாமுவேல், கலைத்தாய் அறக்கட்டளை, திருப்பத்தூர் அவர்கள் கலந்துகொண்டு மாணவர்களுக்கு நாடக நடிப்பின் அடிப்படைகள், பனுவல் உருவாக்கம், நாட்டுப்புற கலைகள் பற்றிச் சிறப்பு பயிற்சி வழங்கினார்.

நீர் குறித்த விழிப்புணர்வை மாணவர்களுக்கு ஏற்படுத்தும் வகையில் வேதியியல் துறையுடன் இணைந்து “மடிநீர் மறைநீர்” என்னும் பொருண்மையில் சூழலியலாளர் நக்கீரன் மற்றும் சமூகவியலாளர் பியூஷ் மனுஷ் ஆகியோர் கலந்துகொண்டு சிறப்புரை ஆற்றினர். வேதியியல் மற்றும் தமிழ்த்துறை மாணவர்கள் கலந்துகொண்டு பயன்பெற்றனர்.

கலைப்பயணம்

மதுரை-கீழடி அகழாய்வு பார்வையிடலுக்கு மாணவர்கள் ஒருநாள் கல்விச்சுற்றுப்பயணம் அழைத்துச் செல்லப்பட்டனர். மேலும் ஜவ்வாது மலை அடிவாரம் சிங்காரப்பேட்டையில் அமைந்துள்ள இயற்கைமுறை உண்டு உறைவிடப்பள்ளி (குக்கூ)க்கு மாணவர்கள் அழைத்துச் செல்லப்பட்டனர்.

ஈரோடு புத்தக கண்காட்சிக்கு மாணவர்கள் அழைத்துச் செல்லப்பட்டனர். அதன் மூலம் மாணவர்கள் வாசிப்பின் முக்கியத்துவத்தையும் நூல் வெளியீடு குறித்த அறிவைப் பெற்றனர்.

வீரமாமுனிவர் தமிழ் மன்றம் (முதுகலை)

நிகழ்வு: 1விரமாமுனிவர் தமிழ் மன்றச் செயலர் மற்றும் இணைச் செயலர் தேர்வு

05.07.2017 அன்று விரமாமுனிவர் தமிழ் மன்றச் செயலர் மற்றும் இணைச்செயலர் தேர்வு நடைபெற்றது. அதில் செயலராக வெங்கடேசன் இரண்டாமாண்டு மாணவனையும், இணைச்செயலராக தேவிபாலா தேர்வு செய்யப்பட்டது.

நிகழ்வு: 2 துறைகளுக்கிடையிலான விவாத மன்றம்

26.07.2017 அன்று பேராசிரியர் வெ.சாக்கன் அவர்களால் வித்திய மந்திர் கலை மற்றும் அறிவியல் கல்லூரியின் பேராசிரியர் முனைவர் பெ. சுரேஷ் அவர்களின் தலைமையில் சமூக முன்னேற்றத்திற்கு தடையாய் இருப்பவர்கள் ஆண்களா? பெண்களா? என்ற பொருண்மையில் விவாத மன்றம் நடந்தது. அதில் ஆண்களே முடிவு வழங்கப்பட்டது.

நிகழ்வு: 3துறைகளுக்கிடையிலான பேச்சுப் போட்டி

01.09.2017 அன்று பேராசிரியர் ஆ.சந்திரன் அவர்களால் காஞ்சி கிருஷ்ண கலை மற்றும் அறிவியல் கல்லூரியின் பேராசிரியர் த.பாண்டியன் அவர்களின் தலைமையில் ஊடகத்தின் பயன்பாடு ஆக்கமா? அழிவா? என்ற பொருண்மையில் பேச்சுப் போட்டி நடந்தது. அதில் ஆக்கம் என்பது முடிவாக வழங்கப்பட்டது.

05.10.2017 முதல் 07.10.2017 வரை UGC - NET/SET தேர்வுக்கானல் பயிற்சி வகுப்புகள் முதுமுனைவர் பாலமுருகன் பங்குபெற்று சிறப்பாகப் பயிற்சியளித்தார்.

நிகழ்வு:4 தேர்ச்சி பெறாத மாணவர்களுக்கு பயிற்சி வகுப்பு

துறைப் பேராசிரியர்கள் தங்களின் பாடங்களில் தேர்ச்சி பெறாத மாணவர்களை முற்பகல் வேலையில் வரவழைத்து பயிற்சி அளித்து வருகின்றனர்.

நிகழ்வு:5 முத்தமிழ் விழா

முத்தமிழ் விழா செப்டம்பர்-20.21-2017 நடைபெற்றது. அதில் சிறப்புரையாகக் கவிமணி தி.மு. அப்துல் காதர் பங்கேற்றார். நிறைவு விழாவில் பேராசிரியர் முனைவர் இரத்தின நடராசன் சிறப்புரையாற்றினார்.

நிகழ்வு:6 வீரமாமுனிவர் நினைவு இலக்கிய விழா

01.02.2018 அன்று பேராசிரியர் முதுமுனைவர் இரா. சங்கர் அவர்களால் கிறித்துவ கலை மற்றும் அறிவியல் கல்லூரியின் பேராசிரியர் முனைவர் ப.டேவிட் பிரபாகரன் அவர்கள் வீரமாமுனிவர் படைப்பும் பங்களிப்பும் என்ற பொருண்மையில் இலக்கியச் சொற்பொழிவு நடத்தப்பட்டது.

Department of English (UG & PG)

The Department of English began its Association Activities with the Freshers Day for UG and PG students on 05/07/2017, organized by the Department Staff and the senior students.

Workshop on Theatrics was organized by the Department of English, Shift-II; at Mother Teresa Hall. The inauguration commenced at 9.30 a.m. under the leadership of Mrs. Mary Jenif, Head, Department of English UG, with the guidance of Dr.K.Parthibaraja, Associate Professor, Dept. of Tamil, Sacred Heart College, Tirupattur, an expert in Drama Technics. Mr.Rejin Rose and Miss. Melody Darkus were the resource persons for the workshop. After four days of the workshop on Theatrics, on 14/07/2017, programme concluded with the session Rev.Dr.K.A.Maria Arokiaraj, Additional Principal addressed the gathering.

National Conference on Post-Colonial Literature was organized by the Department of English Shift-II, The inauguration was held at 9:30 a.m. Rev.Dr.K.A.Maria Arokiaraj, Additional Principal, inaugurated the programme. He delivered the dynamics of the Seminar to the student participants. Prof.Thirupathi Rao, Registrar of Dravidian University delivered the keynote address and handled the first session. It was followed by Rev.Dr.John Alexander, who is an expert in post modernism, who addressed the students about on the two world wars and its impact on the society. In the valedictory session Rev.Dr.Praveen Peter, Controller of Examinations addressed the gathering and Mr.S.Prabhakaran, Asst.Professor of English gave his ideas to the students on the seminar topic.

A seminar was conducted on 'Comparative Literature' from 10:30 a.m. to 12:30 p.m. on 15/09/2017. Three Hundred students from both UG and PG attended the seminar. The event began with a prayer song. The Chief Guest was Rev.Dr.I.Joe Sanjay, Asst. Professor, Department of Counselling Psychology, Sacred Heart College, Tirupattur. Rev.Dr.Maria Arokiaraj, Additional Principal, honored the Chief Guest with a memento and introduced the topic of the Seminar to the students.

'ELLITES' A State Level Inter- collegiate competition was organized by the Department of English, Shift-II, at the Don Bosco Indoor Stadium. The inauguration was held at 9:30 a.m. and Rev.Dr.C.Antonyraj, Rector, Rev.Dr.D.Maria Antony Raj, Principal, Rev.Dr.Maria Arokiaraj, Additional Principal, Shift-II and Head, Dept. of English (PG), Prof.N.Arul Doss, Dean and Head, Dept. of English, Shift-I, Mrs.Mary Jenif, Head, Dept. of English UG, Shift-II were on the dais. Rev.Fr.Rector and Rev.Fr.Principal addressed the gathering and suggested the various steps on the development of the Department. Mrs. Mary Jenif, Head, Dept. of English (UG), Shift-II delivered the dynamics of the day. The programme was structuralized with six different events like Poetry writing, Poetry enacting, Quiz on Dalit Literature and contemporary literature, JAM, compose and sing. Students from various colleges actively participated and experienced the toughest literary contest. In the valedictory session, Rev.Dr.Theophil Anand, Vice Principal, Shift-II and Mr.Praveen, The Managing Director of IAC were the chief guests. They enkindled the minds of pupils by providing more information on mass communication and it was followed by prize distribution. Among twelve colleges, the overall championship was won by Loyola College, Vettavalam. The events offered a good platform for pupils to exhibit their inner talents.

The Department of English (Shift-II) conducted a seminar on 'Translation Studies' on 25th January 2018. Around 200 students from UG & PG attended the seminar. The objective of the seminar was to introduce the theory and application of Translation. The programme started with a prayer song by the department choir. Then Miss.Anbukkani from I M.A., English welcomed the gathering. Mr.S.Prabhakaran Asst. Prof. Dept. of English introduced the resource person. Dr.R.Saranya, Associate Professor, Annamalai University, Chidambaram

and Rev.Dr.K.A.Maria Arokiaraj, Additional Principal, honoured the Chief Guest with a memento. The session was handed over to Dr.R.Saranya, who spoke on 'Translation Studies'. The programme came to an end with a vote of thanks by Miss, Priskilla Mary from I M.A., English.

Department of English conducted a seminar on 'Eco-Literature' on 2nd February 2018 at the Mother Teresa Hall. Around 100 students from UG & PG attended the seminar. The objective of the seminar was to introduce the students to the importance and richness of Eco-Literature. The programme started with a prayer song by the department Choir. Mr.A. Remo Paul from I M.A., English welcomed the gathering followed by the welcome address, Mr.S.Prabhakaran, Asst. Professor, Dept. of English introduced the resource person, Dr.B.J.Geetha, Assistant Professor, Periyar University, Salem and Rev.Dr.K.A.Maria Arokiaraj, Additional Principal, honoured the Chief Guest with a memento and introduced the dynamics of the day. The session was handed over to Dr.B.J.Geetha, who talked on 'Eco-Literature' from 09:30 a.m. to 12:30 p.m. The programme came to an end with a vote of thanks by Mr.B.Gowtham from I M.A., English.

Department of English conducted a seminar on 'Bakthi Literature' on 29-01-2018 at the Mother Teresa Hall. Around 250 students from UG & PG attended the seminar. The objective of the seminar was to introduce the students to Bakthi Literature. The programme commenced with a prayer song by the department choir. Mr.A.S.Arunagiri from II B.A., English welcomed the gathering. Mr.S.Prabhakaran, Asst. Professor, Dept. of English introduced the resource person, Dr.S.Natarajan, former Vice Principal & Head, Department of Tamil, Sacred Heart College (Autonomous), Tirupattur and Rev.Dr.K.A.Maria Arokiaraj, Additional Principal, honoured the chief guest with a memento and introduced the dynamics of the day. The session was handed over to Prof.Dr.S.Natarajan, who talked on 'Bakthi Literature' from 09:30 a.m. to 12:30 p.m. The programme came to an end with a vote of thanks by Mr.S.Mouliswaran from II B.A., English.

Department of Commerce (UG)

1. Election for Student representatives: (17/02/2017)

Student Secretary, Joint Secretary of the Association and Student representative were elected according to their wish. The Secretary and Student representatives were elected on the system of nomination.

2. Freshers Day: (30/06/2017)

Freshers Day was celebrated for the I B.Com Students on 30/06/2018 at the Abdul Kalam Hall at 11:00 a.m. to 12:30 p.m. III B.Com Students conducted various events for the Freshers. There were totally 230 students.

3. Invited Talk on Entrepreneurship: (28/02/2017)

An invited Talk on "Entrepreneur" was given by Rev.Fr.Andrews Raja, Asst. Professor, Dept. of Social Work in BISW Hall from 11:30 a.m. to 12:30 p.m. for the third year students.

4. Confluence 2K17

Confluence 2K17 was convened by Dr.K.Anbalagan (Head PG) and Dr. G. Devi (Head UG). Inaugural address was delivered by Rev. Dr.K.A.Maria Arokiaraj, Additional Principal.

5. Class Wise Quiz

As part of the association activity the course teachers conducted quiz in their respective course and winners were selected. The winners from the association were given prizes.

6. Talk on professional courses CA, CMA and ACS:

A talk on professional courses (CA, CMA & ACS) on 25/01/2018 in BISW Hall from 11.00 a.m. to 12:30 p.m. was conducted by the Dept. of Commerce.

7. Talk on Facing Competitive Exam:

An invited talk was organized on facing competitive examinations like Group exams, TNPC, RRB and Other Govt. Jobs in Pope Francis Hall from 11:00 a.m. to 12:30 p.m.

8. Guest Lecture on GST:

There was a Guest lecture on GST for students in their class itself on 12/09/2018 from 1:15 p.m. to 3:15 p.m.

9. Intra departmental paper presentation (13/02/2018)

Intra departmental paper presentation was organized on 13/02/2018 from 10:30 a.m. to 12:30 p.m. for commerce students in MT Hall, Bicentenary Building. 15 students participated in the competition and winners were given prizes.

10. Work Shop on GST:

A Work shop on practising GST in software was organized on 14/02/2018 in Pope Francis Hall in Bicentenary Building. We invited Mr.Murthy, Director of CSC Computer Centre Tirupattur.

Department of Commerce (PG)

Association Activities were carried out by the PG Department of Commerce under the Headship of Dr.A.Sankar, the Association President for the academic year 2017-2018. On behalf of the department, the new comers (I M.Com) were added to the family of PG department of Commerce during 1st week of July 2017. The PG department of commerce is always inspiring the students to concentrate on research so Dr.U.Ramesh, Asst. Professor, PG & Research Department of Economics, gave a wonderful message on 5th August 2017 on how to select the research problems. The 1st week of September 2017, the M. Com students visited the Arabindo Paper mill at Puduchery to expand their industrial knowledge. During 4th week of the September 2017, the M.Com students had a programme to acquire knowledge on SPSS. Prof.R.Veerappan gave information to the students on how to write research report and research articles. In the second week Dr.A.Arockia Mary, Asst. Professor, Dept. of Business Administration, guided the student on the modules on how to clear the NET / SET Examination. Finally Dr.K.Kumar, Asst. Professor, Dept. of Social Work, Govt., Arts College, Cuddlore, addressed the students regarding the usage of SPSS. About 36 students benefited through these association activities.

Department of Mathematics (UG)

The Department of Mathematics commenced the Association Activities by conducting Freshers Day for UG students on 4th of July 2017, organized by the Department Staff.

Dr.R.Srinivasan, Associate Professor, Islamiah College was invited on 21st July 2017. He addressed the UG students. On 1st September 2017, Written Quiz was conducted for the UG students to enhance their basic knowledge.

A Staff Seminar was organized on 4th October 2017. Dr.T.G.Gerly, Asst. Professor, Dept. of Mathematics delivered a talk on q- Difference Operator for the UG students. A Workshop was conducted on MS Office on 13th December 2017 for the UG students for which Mr.P.S.Jayakumar Paul Bosco, Asst. Professor, Dept. of BCA was the Resource Person.

The Dept of Mathematics celebrated the 'Ramanujan's Day' on 20th December 2017. Oral Quiz, Identifying the Diagram, Math Glossary, Mute Monomial, Connections and Poster Presentation were organized by the Department Staff. The whole Department was divided into eight groups and the events were conducted. The group which won the overall was given a rolling trophy.

National Conference on Discrete Mathematics and its Applications was conducted on 09th and 10th February 2018 in collaboration with Shift-I.

During the second week of March 2018, the department magazine 'Omega 2018' was released.

Department of Mathematics (PG)

The Department of Mathematics commenced its Association Activities by conducting freshers day for PG students on 14th of July 2017.

Dr.R.Srinivasan, Associate Professor, Islamiah College was invited on 31st July 2017. He gave a talk to the PG Students. There was also another session conducted by Dr.K.Sankar, Research Scholar, Kerala School of Mathematics. On 1st September 2017, Written Quiz was conducted to the PG students to enhance their basic knowledge under the supervision of Mrs.S.Pallavi & Mr.D.Vignesh, Asst. Professor, Dept. of Mathematics.

A Staff Seminar was organized on 4th October 2017 and Dr.T.G.Gerly, Department of Mathematics delivered a talk on Q- Difference Operator for the PG students. The Dept. of Mathematics conducted Latex Training on 9th December 2017 for the PG students. Dr.A.George Maria Selvam, Prof.S.U.Vasanth Kumar, Sacred Heart College and Dr.P.Narasimman from Thiruvalluvar University Constituent College of Arts & Science were the Resource Persons.

The Dept. of Mathematics conducted the 'Ramanujan's Day' on 20th December 2017 in which various events such as Oral Quiz, Identifying the Diagram, Math Glossary, Mute Monomial, Connections and Poster Presentation were organized. The whole Department was divided into eight groups and the events were conducted. The group which won the overall was given a rolling trophy.

On 29th January, 2018 a Lecture was organized for the PG students. Dr.L.Sujatha from Auxilium College was the Resource person.

National Conference on Discrete Mathematics and its Applications was conducted on 09th and 10th February 2018 in collaboration with the Shift-I. Student seminar by the PG students on 16th February 2018.

During the Second week of March 2018, the department magazine 'Omega 2018' was released.

Department of Physics (UG)

On 20th June 2017 election for the secretary and joint secretary took place in the Department of Physics. Master. D.Venkatesh of III B.Sc. Physics was elected as the secretary and S.Megala of III B.Sc Physics was elected as joint secretary.

The freshers day celebration for I UG was organized in the Department of Physics on 30th June, 2017. The II and III year UG students along with the staff members formally welcomed Ist year UG students.

In view of Golden Jubilee celebrations, the Department of Physics organized science exhibition on 20th and 21st July, 2017. Former Head of the Department Dr.S.Veeraraghavan

was the chief guest for inaugural function and Prof.V.Pushparaj was the chief guest for valediction. The list of students from various colleges included the following details:

- No: of Colleges: 10
- No: of Schools: 12
- No: of students from our college: 570

Around 4500 students experienced the learning of physics through experiments and benefited meaningful scientific programme.

The birth anniversary of Prof.Vainu Bappu was celebrated at Vainu Bappu Observatory, Kavalur on 10th August 2017. This year totally 10 students from UG and PG participated in this event.

On 24th August 2017, all the students of UG Physics (I, II and III Years) were taken to Visvesvaraya Industrial and Technological Museum, Bengaluru.

Teachers Day celebration in the department of Physics took place on 5th September 2017 in APRC.

A Two-day UGC sponsored National Conference on Smart Materials was organized by the Department of Physics on 11th and 12th September, 2017, eminent resource personnel participated and delivered indepth lectures.

1. Dr.B Mohammed Jaffar Ali
Head, Centre for Green Energy Technology
Pondicherry University, Pondicherry
2. Dr.S.Narayanan Kalkura
Director, Crystal Growth Centre, Anna University, Chennai
3. Dr.C.Sekar
Head, Dept. of Bioelectronics & Biosensors, Alagappa University, Karaikudi.
4. Dr.S.Srinath
Department of Aerospace Engineering IISc, Bangalore
5. Dr.Kamala Bharathi,
Department of Physics, SRM University, Chennai and
6. Dr.T.Theivasanthi
International research Centre, Kalasalingam University, Krishnankoil

A total of 210 participants attended the conference. 95 students were from our college and 125 participants were from various colleges and universities.

International Science festival was conducted by Indian Institute of Astrophysics held at Vainu Bappu Observatory on 13th September 2017. In this 15 UG and PG students participated and benefited.

Inter-collegiate seminar on Nano Technology and its applications was held at Auxilium College, Vellore on 14th September 2017. In this 20 UG and PG students participated and won prizes.

The Intercollegiate Physics Meet 2017 was organized on 21st September 2017. Totally 11 colleges and 110 students participated in the Intercollegiate Physics Meet. 25 students were from our college and 85 participants from other colleges. Mr S.Murthy, Section Head, LIC, Tirupattur was the chief guest of the programme.

In order to train School teachers, "A Workshop on Practical Skills for Effective teaching of Physical Sciences" was organized by the Dept. of Physics. A total of 20 teachers from nearby Government and Private schools actively participated. Dr. A.Albert Irudayaraj, Head,

Department of Physics convened this workshop. The following resource persons came for this workshop and delivered lectures on 19th January, 2018.

1. Prof. A.Santhana Krishnan
Principal, Anna Arivagam College of Education, Pochampalli. and
2. Mr.P.Suriyakumar
Managing Director, Ladder Education, Chennai

On 20th January, 2018 during the morning session, Dr.Kulothunga Sozhan, M.B.B.S, Chengam delivered a lecture. On the same day during the afternoon session the school teachers visited the physics laboratory for training. session.

22nd National Seminar on Crystal Growth was organized by the Department of Physics in association with Indian Association for crystal growth (IACG) for three days from 29th January 2018 to 31st January 2018. Dr.A.Albert Irudayaraj, Head Department of Physics welcomed the gathering during the inaugural session. Rev.Dr.C.Antonyraj, Rector and Secretary of our college gave the felicitation address. Prof. P.Ramasamy, Chariman of IACG delivered the presidential address, Prof.P.K.Das, Chemical Division Chairman delivered inaugural address. Dr.Muthu Senthil Pandian, SSN Institutions, proposed a vote of thanks.

During the valediction Mr.C.Thirupathi, Head, Department of Physics (UG Shift-II) welcomed the gathering. Rev.Dr.D.Maria Antony Raj, Principal and Rev.Dr.K.A.Maria Arokiaraj, Additional Principal felicitated the gathering. Dr.S.A.Martin Britto Dhas, Convener of this seminar proposed a vote of thanks.

31 eminent scientists from different universities and colleges from different parts of India participated and delivered lectures. More than 270 research scholars from different parts of India participated and presented papers. Awards and Prizes were given for Best Oral Presentation, Best Poster Presentation, Best Crystal Display Award and Best Thesis Award.

A Students Seminar was organized in the department on 6th February 2018. The following students participated in this seminar.

1. Sridevi presented a seminar on Quantum Dot
2. Haritha presented a seminar on Bubble Powder and
3. Akshada presented a seminar on Graphene

All the students of III UG Physics were taken to Brila Planetorium, Chennai for an Industrial Visit on 20th February 2018.

Department of Physics (PG)

The PG Department of Physics organized various association activities during the academic year 2017-18. A Science Exhibition was organized from 19th & 20th July 2017 in view of Golden Jubilee celebration of Physics Department. Nearly 200 models were exhibited by various students from our college and other college students and approximately 4000 students visited the exhibition.

To motivate students in research, on 10th July 2017 the department organized a student interaction session with the Dr.C.Sekar, Head, Department of Bio-Electronics and Bio-Sensor from Alagapaa University.

On 10th August, 2017, four students from PG went to Vainu Bappu space observatory located at Kavalur during the Birth Anniversary celebration of Vainu Bappu, a noted space scientist. The students participated in various competitions conducted by the scientists.

Three Student seminars have been organized by the department to encourage the students to improve their presentation skills and improve their knowledge.

On 11th & 12th September 2017, all the PG students participated in the two day UGC Sponsored National Conference organized by Rev.Dr.Theophil Anand. Six technical sessions were conducted during the conference and enriched students on the learning.

On 23rd September, 2017 all the II M.Sc. students presented their project proposals in front of their guides. Many suggestions were given to them and finally they submitted this project report.

Rev.Fr.Gandhi from Japan University presented his research work to the PG students and motivated them towards research.

On 15th December, 2017 all the PG students of the department attended a institutional visit to IGCAR, Kalpakkam, to gain knowledge about nuclear power plant.

On 29 -31, January 2018, National Seminar on Crystal Growth and its Application funded by BRNS and SERB was organized by Dr.S.A.Martin Britto Dhas. 34 eminent speakers and scientists delivered their research work and about 250 participants from all parts of the country participated and presented their research work in the conferences. All the PG students actively participated and benefitted from the some.

In the month of February 2018 all the II M.Sc. Students had a project review.

An outreach programme on 01/02/2018 was organized by IGCAR, Kalpakkam at Sacred Heart College to facilitate students on the opportunities available in DAE institutions across the country. The resource person was Mr.A.Arul Anandha Kumar, Scientific Officer under the Radiation Dosimetry Section of IGCAR, Kalpakkam. He started the programme by quoting that “Young minds should be involved in the Development of the country and without power, we are powerless”. He explained the process of the Nuclear Reactor and the advantages and efficiency of Nuclear energy over Thermal and Hydroelectricity. We were also made aware that the emitted radiation is non-hazardous.

Department of Chemistry (UG)

An invited lecture was organized by the PG and UG Department of Chemistry. The resource person was Dr. J. Theerthagiri, M.Sc., PhD. Scientist-C, Centre of Excellence for Energy Research, International Research Centre, Sathyabama University, Chennai. The topic of the lecture was “Nanomaterials for Dye Sensitized Solar Cells and Photocatalytic Applications. Postgraduate students and undergraduate students of Chemistry Department participated in the lecture. The programme was held from 10. 30 a.m. to 12.30 p.m. at Mother Teresa Hall in Bicentenary building on 27.09.2017.

The programme commenced with a prayer song. Dr.N.Vilvamani, Asst. Professor, Dept. of Chemistry, welcomed the gathering and introduced the resource person and shared his views on the importance of the topic of the lecture. Dr.V.Collins Arun Prakash, Head, Department of Chemistry, Shift II, honoured the resource person by presenting a memento.

The lecture begins with the introduction of nanomaterials and its application in multidisciplinary areas. The resource person further spoke about the synthesis, characterization techniques, and application of nanomaterials in the field of dyes sensitized solar cell and photocatalyst. He motivated the students to pursue research in the area of material sciences and informed about the opportunities for postgraduate and research programmes available in institutions in India and abroad. At the end students had

interaction with the resource person. Finally he insisted on the significance of the non-conventional and environmental friendly materials in the field of renewable energy in the near future.

The programme concluded with a vote of thanks by Mr.R.Dhiwakar, Assistant Professor and president of Chemistry association (UG), Dept. of Chemistry.

Department of Chemistry (PG)

“It is the province of knowledge to speak, and it is the privilege of wisdom to listen”

Ms. Nazia Shehnaz is a brilliant and stupendous talented girl from a rural background who achieved a lot as a single hard working candidate. Her will and commitment brought laurels to our faith and opportunity bestowed is highly flabbergasting and commendable. The conceptual idea of doing research and discerning and shrewd intuition were imbued while she was pursuing her under graduation itself. Her striving hard work and tenacious efforts have fetched many National and International level honorary felicitations consecutively. She has proved that there are no secrets to success, it is the result of preparation, hard work and learning from experiences.

The Dept. of Chemistry delighted to shortlist some of her achievements with a proving sense that an optimist sees the opportunity in each and every difficulty.

- She won the best research proposal award in the national level research competition organized by **CRECT ASSOCIATION** in February 2017 which was scrutinized by 30 National and International level scientists.
- She has presented many papers in International virtual webinars.
- Ms. Nazia a record of proposing seven research papers within six months which is accepted at International levels.
- She has guided four International students online to a **DFWSD** camp, one of them excelled in the Project at the aboard level.
- Ms. Nazia ws the younger individual to join the prestigious organizations such as **RSC** (Royal Society of Chemistry, UK) and **ACS** (American Chemical Society, USA)
- She is a young affiliate of RSC to join professional body of Chemical scientists.
- She has attended the online virtual event “**Angewandte Fest Symposium**” organized by German Chemical Society on eve of 150 year anniversary celebration.
- She has been associated with **Youth4work** as a member for developing professional education.

Her upcoming proposals include:

- To deliver a speech at **AFTRS** open invited talks, Australia.
- To present a project to the world fame **IUPAC** organization.
- To submit her paper abstract at **EuCheMS 2018** in association with RSC organization.
- To contrive a International Webinar with **AACT** connect in Jan 2018.
- Committed to work with some PG students at **ACU** (Australian Catholic University) in upcoming summer with her personalized website (<https://acu.edu.au/nazia.s>)
- To attend a Summer School programme at **UCL** (London’s Global University).
- To submit three more research proposals at International levels.
- To receive **AAAS** and **GdCH** membership soon.

The Dept. of Chemistry is honoured and gratified to introduce **Ms.NAZIA SHEH** (I M.Sc. student) who has genuinely proved “**Innovative Personality is an Unbroken Series of Successful Gestures**” and giving us a strong message that “**Follow your passion and the success will follow you definitely**”.

The Management congratulates and wishes her on her successful endeavors. May her successful journey continue without any destination.

Department of Computer Science

The faculty members of the Department of Computer Science provide a platform for the students to acquire knowledge on Recent Trends in Computer Technologies through various activities like seminar, workshop, and knowledge sharing programmes.

Freshers Day was conducted on 04/07/2017. The first and second year students interacted with each other through programs and the Head motivated the students to take part actively in various events in order to exhibit their talents

Spiritual Meet was conducted on 05/07/2017 to share about the experience of God’s guidance in one’s life. This meet enabled the students to nurture the habit of Prayer. It motivated them to pray in the chapel and home, in Assembly, before and after meals, before competitions and examinations.

Seminars were conducted on different dates on the topics like Green Computing (18/07/2017), Google Tools (17/08/2017), Project Methodology (16/11/2017). Data Science, (15/12/2017) Data Base Management System (02/02/2018). Resource persons Mr. Jeya Prakash from IBM, Samuel Tamil Selvan, from Flex India Pvt. Limited, Prof.Sakthivelan from Adhiyman Engineering College, Prof. Karthik from the Department of Computer Science (PG Node), SHC and Prof. A.George Louis Raj, Head, Department of MCA were invited. The main aim of these seminars was to expose the students to the latest technologies and emerging trends in IT sector. Students from I year, II year and III year have participated and benefited out of it.

Teachers Day was celebrated on 05/09/2017. The students came together to thank the faculty members. They showed their gratitude by offering gifts, flowers and greeting cards to the staff members. Cultural programme was conducted to make the staff happy.

Inter Collegiate IT Meet (SPACE 2K17) was conducted on 14/09/2017 by the department. The Students of third year organized the programme to the participants of neighbouring colleges. Nearly 27 teams participated in this meet. This type of programme helped them to develop their leadership qualities and encouraged them to work as a team.

Knowledge Sharing: Students came forward by themselves to share their knowledge by way of presenting presentation on various topics pertaining to the computer technology. This programme motivated self-learning method among students. Two programmes were conducted on 27/07/2017 and 30/01/2018.

Workshop: A one day workshop was conducted on “Wordpress” on 06/02/2018 by the Department. Mr.S.John Bosco, Asst. Professor, Dept. of Computer Science, was invited as resource person. This workshop helped the students to acquire knowledge on the web design tool called wordpress. Session-I was on the installation of wordpress app and creation of new web pages, setting of header page, changing of backgrounds with image and colours. The session-II was adding the plug-ins for widgets and sliders, photo gallery and insertion of audio, video and link for playing you tube videos.

Intra Departmental IT Meet (COMMUNE 2K18) was conducted on 15/02/2018. This event helped the students to participate in many competitions like quiz, coding, paper presentation, photo bee, connection, Techno Freak. It was organized by the students of III CS to the students of I and II CS. It helped them to foster their academic growth.

A one day **National Conference on Software Engineering** was conducted along with Shift-I on 03/08/2017 and **Workshop on graphQL** on 04/08/2017.

Department of Computer Applications (UG)

1. Election of the Secretary

The student secretary was elected by the BCA students in their respective classrooms. The name of the secretary was Mr.H.Aravindth a final year student.

2. Formation and Planning of the Class Quality Circle

Each class selected the CQC leader for conducting CQC programme on the last working day of the month. The leaders discussed with their team members their CQC activities on the last working day of every month.

3. Seminar on Learning Style

The main objective of this seminar was to bring out the impact of the ideas related to learning styles. The resource person spoke in detail about how to teach and the various types of teaching methods. The students got motivated to study well through this seminar.

4. Freshers Day

The freshers day was celebrated at the Pope Francis Hall at 11 a.m. on 4th July 2017. III BCA students presented a video presentation about department staff members. Mr.R.Karthik, Department Association President, gave a felicitation address on “No Pain, No Gain”. It was thought provoking and meaningful. Mr.S.Vasanth and Ms.Preethi conducted party games for first year students.

5. IT Quiz – Intra Department Competition

IT – Quiz (Intra-Departmental Competition) was conducted on 2nd August 2017 at the Mother Teresa Hall (Bicentenary Building) at 09:30 a.m. All the BCA students participated in this IT – Quiz programme. there were Six teams with 5 members in each team. The programme was conducted by the final year BCA students. The following events were conducted on the stage,

1. General IT-Questions
2. Jumble Words
3. Blur and Find It
4. Group La Dupu
5. Connections

Three teams were winners and they were rewarded with cash prizes and medals. Finally a special talk was given by Mr.A.Selvaraj Jeyakumar Asst. Prof., Dept. of BCA and he congratulated all the participants and prize winners.

6. Seminar on Software Project Methodology

Seminar on Software Project Methodology was conducted on 23/09/2017 at the OASIS. Mr.Shinoj Robert, Asst. Prof., Dept. of Computer Science, Don Bosco College, Yelagiri Hills was the resource person. It was very useful for the final students to write project reports. Ms.P.Preethi from III BCA proposed the vote of thanks.

7. Teachers Day

The celebration started at 10.45 a.m. with a prayer song. Mr. Balaji from III BCA welcomed the gathering and introduced the celebrities of the day. Then, Mr. Aravind distributed moments to each staff member.

8. Annual Workshop on Recent Trends

An Intercollegiate Workshop on Swift Programming was organized by the Department of Computer Applications (UG) on 06th October 2017 in Carreno Hall. More than 15 colleges participated in the workshop. Rev.Dr.K.A.Maria Arockiaraj, Additional Principal inaugurated the workshop. Mr.V.S.Jayakumar Paul Bosco, Dr.A.Mekala, Miss. Deepika Ranjan, Mr.T.Prabakaran and Miss. J. Merlin Florence were the resource persons. Rev.Dr.Theophil Anand gave the felicitation address. More than three hundred students from in and around of Tirupattur had participated in the workshop.

9. Seminar on Software Documentation

The main objective of this seminar was to impart ideas related to project documentation among the final year students. Welcome address was delivered by Ms.Srilekha (III BCA). Mr.Shenraj Robert from Don Bosco College, Yelagiri hills was the resource person. He divided the students into groups in which 3 were allotted. The students clarified their doubts by asking questions to the resource person. Mr.V.S.Jayakumar Paul Bosco proposed the vote of thanks.

10. Seminar on Software Testing

The main objective of this seminar was to impart ideas related to project documentation among the final year students. The welcome address was delivered by Miss. Preethi (III BCA). Later the resource person demonstrated the sessions with the presentation. The students clarified their doubts by asking questions to the resource person. Finally a vote of thanks was given by master H.Aravinth.

11. Christmas Day Celebration

“SHARING DAY” was organized by III BCA students and staff on (15/12/2017) Friday, by at “Uthavum Ullangal Home” (NGO), Tirupattur. The programme started with a prayer song by III BCA students, Victor and Avinash. Mr.Ramesh the founder of the home gave an introduction about the home and the people who are being cared in the home.

A video presentation was followed by the Christmas song by both staff and students. Sweets and Snacks were distributed to the people in the home on the occasion of “SHARING DAY”. Mr.Karthik presented Rs.5850 to the founder Mr.Ramesh for the purchase of footwear for the old age home people. Students also distributed snacks and clothes which were collected in the Department for the HOME.

12. SAIT'18

The programme commenced with a prayer song by Mr.Avinash & Co. SAIT'18 was conducted by BCA department staff and students. Students participated from various colleges. Nine events were conducted; five on-stage events and four off-stage events. All the events were successfully executed by third BCA students. 217 external participants and 160 from our own department participated. Cash Prizes along with certificates were presented to the winners.

Department of B.Com (Computer Applications)

The Department of Commerce CA organized the “**Inter Departmental Paper Presentation on Goods and Service Tax**” on 02/08/2017 at the Oasis. 24 Papers were presented by various department students. The best three papers were selected among the 24 papers by the judges. Students gained much knowledge about GST from this programme.

A three day **Workshop on Training and Development** for department students was conducted with separate topics for each class, first day (04/01/2018) for III Year students entitled on “**Placement of IQ + EQ**”, the second day (05/01/2018) for I year students entitled on “**Myths and Miracles of Stress Management**”, and third day (07/01/2018) for II year students entitled on “**Personality Development and Communicative Knowledge.**”

The Department of B.Com (CA) provided a real Industrial environment by sending students to industries. It gave them practical knowledge about marketing strategies.

The first year students visited Chennai Trade Centre and Shopping Mall on 23/07/2017. The second year students visited Chennai THE HINDU (Head office) and Shopping Mall on 15/09/2017. The third year students visited Karnataka Soap Detergent Limited at Bangalore on 23/09/2017.

COMCAP was organized by the department of B.Com (CA) on 11/01/ 2018 in Carreno Hall. Events were logo, slogan, personality identification, quiz, master mind, ad-zap, future director. The Third year students got the first prize – Rs.2500/- the first year students got second prize- Rs.1500 and The second year students got third prize of Rs.750/-. Most of the students actively participated in this event.

For the third year outgoing students, the department planned to create awareness about the CA, ACS and ICWA courses and also to conduct Mock interview.

Non-Academic Association Activities (Shift-I)

AICUF

A.George, Secretary and A.Antony Paul Raj, Joint Secretary were elected as office bearers of AICUF for the year 2017-18. Bharath of III B.Sc. Maths was elected as state secretary AICUF and Vimal Raj of II B.Sc. Maths was elected as cultural secretary for AICUF.

AICUF was welcomed and animated in June. Resource persons for this Academic year were, Prof. Mohan Gandhi, Prof. Balasubramaniam and Mr.Mahi, cultural trainer. 3 Street plays were performed. Students had attended cultural training camp at the St.Joseph's College and Loyola College. A three day inter college cultural training camp was organized in Sacred Heart College, by AICUF. The trainer was Mr. Mahi. Slogans on “sharing” were displayed around the campus during Christmas. It was decided to select places around Tirupattur for planting sapling. The highlight of the year was ‘MAGIS 2018’, in January 2018, 750 students exhibited their talents. Ten of our students took part in Debates and group discussion.

National Service Scheme

“Not Me but You”

The NSS activities of the academic year started with a meaningful celebration of International Day of YOGA on 21st June 2017. The highlight of this function was that all the second year students of Shift-1 participated and learned useful “Heartfulness Meditation” assisted by the team from “Heartfulness”.

In order to highlight the importance of cleanliness among the public the NSS and NCC volunteers took up a rally from College Campus to Deputy Collector Office via Pudupettai Road Junction, on 17th August, 2017, carrying placards depicting the awareness slogans. In this regard poem writing and slogan writing competitions were also conducted and prizes were awarded. The Campus Cleaning Drive was conducted on 12th August 2017 and NSS Volunteers participated actively and cleaned the campus.

The NSS Volunteers and the Programme Officers did marvellous work towards the prevention of Dengue Fever among staff and students of Sacred Heart Community by providing them “Nilavembu Kudi Neer” continuously for four days from 21/08/17 to 24/08/17.

NSS day was celebrated on 25th September 2017 with a debate on the topic “Who take part more actively in social service? Men or Women” ably anchored by Dr.P.Selvakumar from Tamil Department.

A special talk by Dr. D.Leslin from History Department, on the topic “Communal Harmony” was organized on 25th November 2017 to understand the plurality of our Indian Culture and the need to live in harmony with all the communities.

In view of “Vilgilance Awareness Week” and to make awareness on corruption and to create a consciousness about honesty in the minds of students the NSS volunteers led the college to take “Honesty Citizen Pledge” on 30th November, 2017.

In order to implement the “Governor’s Afforestation Programme” the NSS volunteers planted around 500 saplings in Asiriyar Nagar and Bommikuppam areas on 5th October 2017 and 13th December 2017 respectively.

Apart from these special programmes, regular meetings were held on Mondays and the NSS of Sacred Heart College carried out all the programmes instructed by University and Govt. Departments from time to time.

Fine Arts

Fine Arts, which is responsible for the preparation of stage programmes of the College, organized the inauguration of the academic year 2017-18 on 16th June, 2017 and the inauguration of SHELTERS Associations on 6th July, 2017. For the students of Fine Arts, a two-day training programme was organized on 21st and 22nd July, 2017 and they were taught backdrop preparation and painting. Fine Arts prepared the backdrop for the Sports Day and the feast of Sacred Heart of Jesus. Heart Beat 2017, the Cultural Fest of the College was conducted on 25th November, 2017. Mr. Sundarayyar, Playback singer was the Chief Guest. The events of the day started at 8.45 a.m. There were four events on the day namely, Mime (Boys), Group dance – Boys, Skit (Girls) and Group dance – Girls. Nine departments participated in each of these events. In addition to the events held on the day of cultural fest, there were ten offstage events which were held on 22nd and 23rd November, 2017. Department of English won the championship for girls and Department of Commerce won the championship in the boys category. The champions were felicitated with a trophy. The event management for the Community Day Celebration held on 22nd December, 2017 was also done by Fine Arts.

Media & Consumer Forum

Ms.V.Priyadharshini (Secretary) and Mr.S.Gowtham (Joint Secretary) were elected as office bearers of Media and Consumer Forum for the academic year 2017-18. Volunteers of Media and Consumer forum were welcomed and animated in July. The Resource persons for this academic year were, Dr.P.Selvakumar, Dr.S.Sasikumar, Dr.P.Balasumramanian and Mr.V.Sakkan. Students organised various events like Debates and group discussion. The students played an active role in recording the short movies on social issues and it will be presented in January/February. All the volunteers took part in events and exhibited their talents.

Rovers and Rangers

Rovers and Rangers is the senior wing of the Bharat Scouts and Guides (BSG) Movement. The purpose of the Movement was to contribute to the development of young people in achieving their full physical, intellectual, social and spiritual potentials as individuals and as responsible citizens. There are 37 members in this association (21 Rangers and 16 Rovers). The association regularly meets every week on Mondays.

The members were given orientation on the rich history and heritage of the scouting movement. Each Rover/Ranger was given the prestigious uniform which they were during the training programme. So far ten meetings have been conducted during which the members were trained on the Law, Promise, Flags, Uniform, Scouting symbols and the organisation of the scouting movement. Rovers and Rangers also helped in maintaining discipline and regulating the traffic and vehicle parking during the College Day and other celebrations. The association is preparing for the annual camp at Don Bosco Camp Centre in Yelagiri Hills during which they will be trained on various outdoor activities.

Rotaract

The Rotaract Forum activities commenced with its inauguration for the year 2017-18. The installation of office bearers was done on 15th September 2017 with the Rotary President Rtn. C.P.Raja, Rotary Club of Tirupattur, Rev. Fr. Praveen Peter, SDB, Vice Principal and Controller of Examinations as Chief Guest and all other members. The programme began with an invocation followed by installation of office bearers, annual plan, the presidents-Rotary Club Tirupattur address, chief guest's and guest of honour address. A special lecture on the roles and functions of Rotaract Club was delivered by Rtn. Selvakumar, Rotaract Coordinator of Tirupattur Rotary club on 18th September 2017.

The first project was the seed ball making project and a talk on the need for saving agriculture and preserving forest resources by Mr. Bharathi Kannan and his team. Bharathi Kannan spoke and demonstrated the making of seedball of various trees and initiated the spirit of making in the students and they also assimilated well and made ready the seedballs. A awareness rally on 'Dengue Fever' under the banner of Rotary and Rotaract club was organised on 19th September 2017 to create awareness on the need for sanitation and prevention of dengue disease.

The rally started from the front gate of the college and concluded at Taluk Office by submitting of a petition to Taluk Administrators. Quite numbers of seedballs were made by joining hands with AICUF unit and thrown at various places with combined initiative. The seedballs throwing was inaugurated by Rev.Fr.K.M.Jose, SDB, Provincial and successively all the seedballs were thrown at designated places in and around Tirupattur. A forest school nearby called Cuckoo is a social initiative for education of tribal children and our students paid a visit to the school in the month of February for a different learning and social experience.

Red Ribbon Club

Getting into Zero: Ends by 2030

On 22/07/2018 from 2:00 p.m. to 4:00 p.m. a programme titled "**Getting into Zero: Ends by 2030**" was organized at the Oasis Hall for the students of RRC (Shift-I). Mr.G.Shankar, Counsellor, Govt Hospital, Tirupattur addressed the students on AIDs and HIV.

Social Responsibility

On 21/08/2017 from 2:00 p.m. to 4:00 p.m. a programme titled "**Social Responsibility**" was organized at the Oasis Hall for the students of RRC (Shift-I). Prof G.Mohan Gandhi, Department of Tamil, Sacred Heart College addressed the students on their responsibilities towards society.

Suicide Awareness

On 20/09/2017 from 2:00 p.m. to 4:00 p.m. a programme titled "**Suicide Awareness**" was organized at the Oasis Hall for the students of RRC (Shift-I). Prof.M.Latha Munuswamy, Department of Counseling Psychology, Sacred Heart College created awareness among the students

World AIDS Day

On 03/12/2017 the student volunteers of RRC (Shift-I) created awareness by displaying slogans through placards about the disease in the premises of the campus.

Role of Media in Today's World

On 18/12/2017 from 2:00 p.m. to 4:00 p.m. a programme titled “**Role of Media in Today's World**” was organized in Oasis Hall for the students of RRC (Shift-I). Dr.A.Prabu, Department of Tamil, explained the role of media to the students.

Organ Donation Awareness

On 29-01-2018 between “**Organ Donation Awareness**” was organized for the students of RRC (Shift-I) between 2:00 p.m. to 4:00 p.m. at the Pope Francis Hall. Mr.Shiva Shankar, Mohan Foundation, Chennai addressed the gathering.

Youth Red Cross

On 31st July 2017, a motivational talk was organized in the OASIS Hall by Prof.R.Veerappan. During the session, students were involved in various motivational activities.

On 17th August 2017, there was a Psychological talk on “WHO AM I?” at the Oasis Hall which was given by Prof.J.Anadaraj. During the session, videos and images were shown.

On 25th September 2017, there was an invited talk on “Goal Setting” at the Oasis Hall which was delivered by Prof.John Sundar. During the session, there were group activities conducted.

On 23rd Oct 2017, there was a seminar on “Blood Group Awareness” at the A.V.HALL which was given by YRC Volunteers from the Department of Biochemistry.

On 18th December 2017, we had an invited talk on “Humanity Heroes” at the Oasis Hall which was given by Prof.J.Jayaraj from Don Bosco College, Dharmapuri. During the session, students were encouraged to do mediations and humanity activities.

On 8th Jan 2018, there was a group seminar on “Traffic Rules Awareness” at the A.V.HALL which was given by YRC Volunteers from the Department of Business Administration. During the session, Traffic Rules related videos and images were shown. It was really useful to everyone.

மாற்று நாடக இயக்கம்

உடல், மனம், குரல் ஆகியவற்றைக் கூர்மைப்படுத்தும் பயிற்சிகளை மாணவர்களுக்கு வழங்குவதன் வாயிலாக ஆளுமைத் திறன்களை வளர்க்கும் முயற்சியை மாற்று நாடக இயக்கம் செய்து வருகிறது. 2017 ஆகஸ்டு மாதத்தில் 05 முதல் 09 தேதி வரை ஐந்து நாட்கள் நாடகம் குறித்த அடிப்படைப் பயிற்சிகள் மாணவர்களுக்கு வழங்கப்பட்டது.

புதுதில்லி தேசிய நாடகப்பள்ளியைச் சேர்ந்த திருமிகு. மெலடி டார்கஸ் மாணவர்களுக்குப் பயிற்சியை வழங்கினார். சென்னை நாடகப் பயிற்சியாளர் திருமிகு. ரெஜின் ரோஸ் உடல்திறன் பயிற்சிகளை அளித்தார். மக்கள் கவிஞர் இன்குலாபின் குறிஞ்சிப்பாட்டு நாடக வாசிப்பினை மாற்று நாடக இயக்க மாணவர்கள் சென்னையில் நிகழ்த்தினர்.

தேசிய வாக்காளர் விழிப்புணர்வு நாடகத்தினை மாவட்ட நிர்வாகம் ஏலகிரிமலையில் நடத்தியது. அதில் பற்கேற்ற மாற்று நாடக இயக்க மாணவர்கள் நாடகம் ஒன்றை நிகழ்த்தினர். மாணவர்களுக்கான வாரக் கூட்டங்களில் நாடகப் படைப்பாக்கத்தின் பயிற்சிகள் வழங்கப்பட்டன. தேர்ந்தெடுக்கப்பட்ட மாணவர்களுக்குப் பறையாட்டம், கழியலாட்டம், ஓயிலாட்டம் ஆகிய ஆட்டக்கலைகள் பயிற்சிகளாக வழங்கப்பட்டன.

National Cadet Corps (Shift-I & II)

Date	Events / Programme(s)	Cadets
19/05/2017 To 29/05/2017	CATC – Combined Annual Training Camp, KSR College of Engineering, Thiruchengode.	40
07/06/2017 To 17/06/2017	TSC Selection Camp at Kumaraguru College of Engineering, Coimbatore	05
17/06/2017 To 26/06/2017	CATC – Combined Annual Training Camp, AVS College of Arts and Science, Salem.	45
28/06/2017 To 07/07/2017	Pre IGC for TSC (SD/SW) PSG College of Arts and Science, Coimbatore	03
21/06/2017	International Yoga Day Celebration in AVS College of Arts and Science, Salem.	45
09/07/2017 To 19/07/2017	IGC for TSC (Boys), NTA, Idyarpadi, Madurai.	03
10/07/2017	Pre - Selection of I year students for NCC for the year 2017 – 2018 at SHC, Tirupattur.	90
22/07/2017	Final Selection of I – year Boys & Girls for NCC for the year 2017 – 2018 at SHC, Tirupattur.	94
06/08/2017	Commemoration Day (36 th Anniversary) for Police Men who laid down their lives in the line of duty at Town Police Station, Tirupattur.	50
15/08/2017	Independence Day Parade at SHC, Tirupattur	160
11/09/2017	Regular Parade D1 + D2 + D3 + D4	140
13/09/2017	Regular Parade D5 + D6 + D7 + D8	148
16/09/2017	Regular Parade D9 + D10	151
20/09/2017	Regular Parade D11 + D12	145
21/09/2017	Clean India Awareness NCC – Rally in Tirupattur	90
23/09/2017	Regular Parade D13 + D14	133
04/10/2017	Regular Parade D15 + D16 + D17 + D18	147
04/10/2017 To 18/10/2017	Army Attachment Camp held at Secunderabad	03
06/10/2017	Regular Parade D19 + D20 + D21 + D22	143
22/11/2017	Celebration of NCC Day at SHC, Tirupattur	150
22/11/2017	Regular Parade D23 + D24	147
27/11/2017	Regular Parade D25 + D26	151
29/11/2017	Regular Parade D27 + D28	145

08/12/2017	NCC - Clean India Rally from SHC to GH. Tirupattur	90
08/12/2017	NCC – Clean India Programme at GH. Tirupattur	90
09/12/2017	Regular Parade D29 + D30	139
16/12/2017	Regular Parade D31 + D32	149
22/12/2017 To 01/01/2018	CATC – Combined Annual Training Camp held at G.H.S. School, Mecherry, Salem	50
10/01/2018	Regular Parade D33 + D34 + D35	143
22/01/2018 To 25/01/2018	Practice Parade for Republic Day celebration	160
26/01/2018	Republic Day Parade at SHC, Tirupattur	150
03/02/2018	College Day Celebration in SHC, Tirupattur	100
06/02/2018 To 08/02/2018	Firing Competition and Selection camp held at Konghu Engineering College, Perunthurai, Erode	15
17/02/2018 To 18/02/2018	NCC – B Certificate Exam held at AVS College of Arts & Science, Salem	40
24/02/2018 To 25/02/2018	NCC – C Certificate Exam held at AVS College of Arts & Science, Salem	21

Physical Education: Extramural Activities and Achievements (Shift-I & II)

Date	Event/Competition	Venue	Position
26/07/2017 To 28/07/2017	Fr.Guezou State Level Basketball Tournament	Sacred Heart College, Tirupattur	4 th Place
01/08/2017 To 03/08/2017	29 th Don Bosco Centenary Volleyball Tournament	Sacred Heart College, Tirupattur	Third Place
23/08/2017	Bharath Rathna Dr.M.G.R Centenary Memorial Hockey Tournament	Sacred Heart College, Tirupattur	Winners
17/08/2017	Thiruvalluvar University Interdivision Chess & cross country competition	St.Joseph's College, Cuddalore	3 rd & 4 th place
01/09/2017	Thiruvalluvar University Intercollege Hockey Tournament	Sacred Heart College, Tirupattur	Winners
04/09/2017	Thiruvalluvar University Intercollege Basketball Tournament	Sacred Heart College, Tirupattur	Winners
06/09/2017 To 07/09/2017	Thiruvalluvar University Interdivision Basketball Tournament	Sacred Heart College, Tirupattur	Winners

06/09/2017 To 07/09/2017	Thiruvalluvar University Interdivision Hockey Tournament	Sacred Heart College, Tirupattur	Winners
25/09/2017	Thiruvalluvar University Intercollege Badminton Tournament	Islamiah College, Vaniyambadi	Combined Team Runners
25/09/2017	Thiruvalluvar University Intercollege Table Tennis Tournament	Islamiah College, Vaniyambadi	Participated
27/09/2017	Thiruvalluvar University Intercollege Volleyball Tournament	Sacred Heart College, Tirupattur	Winners
04/10/2017 To 05/10/2017	Thiruvalluvar University Interdivision Volleyball Tournament	St.Joseph's College, Cuddalore	Winners
05/10/2017	Thiruvalluvar University Intercollege Cricket Tournament	C. Abdul Hakeem College, Melvisharam	Participated
27/10/2017	Thiruvalluvar University Intercollege Kabaddi Tournament	D.L.R College, Vilapakkam	Participated
04/11/2017	Thiruvalluvar University Intercollege Boxing Competition	B.P.J College, Srimushnam	Participated
25/11/2017	Thiruvalluvar University Interdivision Best Physique & Power Lift Competition	C. Abdul Hakeem College, Melvisharam	3 Gold Medal
26/11/2017	Thiruvalluvar University Athletic Meet	Athiparasathi College, Kalavai	Second Place
09/12/2017	Thiruvalluvar University Intercollege Football Tournament	Voorhees College, Vellore	Winners
15/12/2017 To 16/12/2017	Thiruvalluvar University Interdivision Football Tournament	Voorhees College, Vellore	Winners
21/12/2017	Thiruvalluvar University Inter College Ball Badminton Tournament	Aruna Vidhaya College,Thiruvanamalai	Participated
10/01/2018	Thiruvalluvar University Inter College Kho-Kho Tournament	Aruna Vidhaya College,Thiruvanamalai	Participated

Intramural:

Date	Event / Competition	Shift	Position	Department
28/07/2017	College Sports Day	I	Winners	B.Sc. Comp. Science
		II	Winners	B.Com
27/11/2017	Interdepartmental Volleyball Tournament (Men)	I	Winners	BBA
			Runners	B.Com
27/11/2017	Interdepartmental Throwball Tournament (Women)	I	Winners	B.Com
			Runners	B.Sc. Mathematics
28/11/2017	Interdepartmental Football Tournament (Men)	I	Winners	B.Sc. Comp. Science
			Runners	B.Com
28/11/2017	Interdepartmental Tennikoit Tournament (Women)	I	Winners	B.Sc. Biochemistry
			Runners	B.Sc. Chemistry
29/11/2017	Interdepartmental Basketball Tournament (Men)	I	Winners	B.Com
			Runners	B.Sc. Mathematics
29/11/2017	Interdepartmental Badminton Tournament (Women)	I	Winners	B.Sc. Biochemistry
			Runners	B.Sc. Mathematics
27/11/2017	Interdepartmental Volleyball Tournament (Men)	II	Winners	B.Sc. Comp. Science
			Runners	B.Com
27/11/2017	Interdepartmental Throwball Tournament (Women)	II	Winners	B.Com (CA)
			Runners	B.Com
28/11/2017	Interdepartmental Football Tournament (Men)	II	Winners	B.A. English
			Runners	B.Sc. Comp. Science
28/11/2017	Interdepartmental Tennikoit Tournament (Women)	II	Winners	BCA
			Runners	B.A. English
29/11/2017	Interdepartmental Basketball Tournament (Men)	II	Winners	B.A. English
			Runners	B.Sc. Mathematics
29/11/2017	Interdepartmental Badminton Tournament (Women)	I	Winners	B.A. English
		II	Runners	B.A. Tamil
23/11/2017	Best Physique Competition	First Prize		R.Ajith Kumar III B.A. Economics

Non-Academic Association Activities (Shift-II)

AICUF

Selection of Office Bearers

The Students gathered near the Golden Jubilee building .They were taught on the role and responsibilities of AICUFERS in the society. The selection norms to be elected were read and students were nominated for various portfolios.

Invited talk by the ex- AICUF Student

An invited talk was organized to inculcate the knowledge of AICUF and its history. Mr.M.Thimmarayan, delivered an emotional speech about the functions of AICUF since the beginning of our college. He inspired the students to be sensitive towards the social problems that affect students lives. He explained the motto of AICUF “We are born in an unjust society, we will not leave it as such, we will definitely change it”. The students were encouraged by the talk.

State Level Council Meeting for Electing the State Level Office Bearers

A Three - Day Council Meeting was held to elect the office bearers, to provide a basic understanding about AICUF and its role. Besides this the elected office bearers were provided with skill training.

The AICUF volunteers reached St. Joseph’s campus, Trichy in the evening on 28/07/2017. They were provided accommodation and the meeting commenced at 4:00 p.m.

After the elections, the students were briefed on AICUF and its history and evolution. Students shared their ideas on the topics Privatization, Globalization, the pros and cons and who enjoys the advantages of it.

The next day the resource person delivered a speech on the problem of Kudankulam Nuclear Power Station. The speeched focused on the resolvion against the social issues.

Later, the students participated in games that briefed the history of AICUF. They have been constantly briefed of the history of AICUF, in order to stir the minds of the young people.

On the last day of the camp, the students were grouped and asked to enact either a street play or perform a dance. They staged street plays and dances based on various social themes. They were once again trained in skills for leadership to perform better in their units. The students were taught AICUF claps, which they should in turn teach the students in their own units. Thus, the camp ended well creating enthusiasm among the participants.

Debate on the need of NEET Exam

In order to motivate the students to be socially responsible, an animation was organized. The students involved in AICUF more actively after participating in the animation. The discussion topics were the death of Ms.Anitha, GST, Farmers’ problem and Demonetization. A debate was conducted and awareness songs were sung by the students. All the students expressed their opinion and shared their knowledge in detail about the topics. The debate on the topic about the NEET exam was really good that all AICUFERS gathered important information about the NEET and the real truth behind the suicide of Ms.Anitha.

Documentary movie “Kackoos”

The Students gathered in the Indoor stadium to watch a movie called ‘Kackoos’. An invited talk by the director of the movie Ms. Divya Barathi really motivated the students to cultivae social responsibility. She talked ferociously about the problems in the society. The movie is

about the sad plight of the sanitary workers. She motivated the students to change the current situation. She also discussed the problems in India. The programme also encouraged students shared their views about the movie.

Seed Ball Preparation Camp

A meeting was organized by the ROTRACT on 26/09/2017. The invited resource person was Mr. Bharathi Kannan, an environmental activist and he gave a talk on the need to prepare the Seed Balls and taught the students to prepare a Seed Balls.

The students, who attended the meeting for the preparation of the Seed Balls, taught other AICUF Volunteers on the importance of preparation of Seed Balls; and the necessity to prepare Seed Balls. The students prepared about 2000 Seed Balls.

It's was a big achievement by the AICUF Students of our college. They showed that the AICUFers are not only socially responsible but also have love and care for nature. The appreciation came from all over the college.

Leadership Training programme organized in Viriyur

A leadership training programme was organized for the AICUF units. Students were sent from the Northern Region of the Tamil Nadu state. The following three students from shift-II participated in the leadership training program;

1. Antony Joseph A.
2. Antony Loudu Raj A.
3. Rajesh R.

The students reached Mary Immaculate College, Viriyur, in the evening. The programme started at 5'o clock. During the inaugural programme, the history of the college was presented.

Mr. Prakash taught students on how good leaders should volunteer themselves and lead the group. Rev. Fr. Paulraj assisted the leadership training and inquired about the functioning of AICUF in the respective units.

The next day all the AICUF students attended a mass at Viriyur Church. Later, the students were grouped to do activities such as dance or skit. The college was gracious enough to provide the facilities. A documentary film, "Kackoos" was shown to motivate the students.

Cultural Training Camp (North Region)

As the training camp was organized at Sacred Heart College, Tirupattur. Twenty five of Sacred Heart College Students attended the camp with the intention of attending the forthcoming international MAGIS, which was to be conducted in Chennai. The students who trained themselves in this camp are expected to perform in this event.

Chart Exhibition on Sharing

A new initiative was taken by the college in order to promote the habit of sharing with those who haven't anything. In order to inculcate and as well as to increase the virtue of sharing a 'Chart Exhibition' was organized by the AICUFers. All the AICUFers prepared charts that could enkindle the young minds to share more.

A Skit on AIDS Awareness in Ramanur

The students from both Media Forum and AICUF jointly participated in this programme. A request from Gracious Home was made to create awareness regarding AIDS and restoration of those affected with AIDS. More than 40 members participated and they created awareness

through AICUF songs. They enacted a street play and the village people appreciated their efforts.

MAGIS 2018

MAGIS is a youth Christian Forum meeting conducted every year internationally. This year the organization of MAGIS was given to Tamil Nadu State AICUF. One of the students of Sacred Heart College was a planning committee member for MAGIS.

The programme started on 12/01/2018 at 5:30 p.m. The programme commenced with a Bharatanatyam dance. Group of students taking part were divided into teams and were given many assignments.

Each team had to complete a task and the best team would be selected. Trainers from all parts of India shared their leadership skills with the participants. About 900 people from all over India and some members of AICUF from foreign countries were also present.

On the second day, all the students were taken to either a slum or to an old age home. They spent the entire day with the respective target group.

On the third day, after a penitential walk to Santhome, a holy mass was organized and then the students were back in the campus at 11:30 am. Fr. Jerry gave a wonderful talk and finally, the curtain was drawn on MAGIS 2018.

A Visit to Cuckoo

A batch of 15 students was taken to Cuckoo in order to learn the eco friendly adoption of the nature itself. Mr.Sivaraj, person in charge of the Cuckoo tribal village school gave a talk to the students and taught them on how nature itself balances the rain forest and scorching deserts. He showed how the people had put their effort in the previous years to develop the forest school.

He taught the students on how to make a ROCK garden. He also taught students on the formation of a Zen Gardens. He requested students to collect whatever herbs as part of the training and orientation. The students at the end of the programme promised their support to the tribal school and came back in the evening to the campus.

Madi Neerum Marai Neerum

The AICUF Students participated in the programme called 'Madi Neerum, Marai Neerum' organized by the Department of Chemistry as a part of PA Thomas Memorial Lecture. The students had prepared more than 50 charts in order to create awareness on the better usage of water, as it is the need of time. Guest speakers like Nakkeran and PiyushManush were invited to speak to the students. They spoke about the importance of forest and how to maintain it. Piyush Manush taught methodologies to store water. He also taught the student in how he has done the same in his Coop forest. The entire hall was packed with students who listened to the speech of Nakkeran and Piyush Manush.

Fine Arts

The Fine Arts Association, organized the inaugural programme on the day of reopening on 16th June 2017. The Chief Guest of the programme was, the Vice Provincial, Rev.Fr.Don Bosco Lourdu Samy. He gave the inaugural message to the students.

On 6th July 2017, the college conducted the Inauguration of Academic and SHELTERS Associations for which the chief guest was Dr.V.N.Mani, E-Scientist, Additional Director

Grade, Head, High Pure Electronic Materials, Centre for Material for Electronic Technology, Department of Electronics & Information Technology, Government of India.

A Two Day Training programme was conducted on 21st and 22nd of July 2017 for the Fine Arts Students. Mr.Victor, Chennai, was the trainer. On 27th November 2017 the Cultural Fest 'HEARTBEAT 2017' was conducted. Mr. Anees, Film Director was the Guest of Honour.

The Christmas and Community Day celebration was organized on 22nd December 2017. The Rector and Secretary Rev.Dr.C.Antonyraj was the Chief Guest. The Pongal Celebration was held on 11th January 2018. The arrangements were carried out by the Fine Arts Association.

The 'College Day' was conducted on 3rd February 2018. Dr.G.Srinivas, Joint Secretary, UGC, Southern Eastern Regional Office (SERO) and Dr.M.Valarmathi, Joint Director of Collegiate Education, Vellore Region were the Guests of Honour.

The Valedictory of Academic and SHELTERS Associations was conducted on 23rd of February 2018.

Media Forum

Media Forum commenced with the introduction of members in the first meeting. On 15/07/2017 a weekly meeting was conducted at the Oasis Hall.

On 13/11/2017 a meeting with all the members of the FORUM discussed the recent trends in the social media. Along with the president, all the members were present for the meeting.

On 20/01/2018 in collaboration with AICUF, an awareness programme in Jolarpettai was conducted certificates were given to the participants. Fifteen of the media forum students participated in the awareness programme.

On 25/01/2018 in collaboration with all the SHELTERS and with the help of Taluk Office, Tirupattur, a programme on voting awareness was conducted on the voters day. The Principal, Thasildhar, RI, VAO and all the SHELTER students participated in the program.

Dr.K.Anbarasan Asst. Professor, Department of Tamil delivered a talk on the title "Job Opportunities in Media" on 19/02/2018.

Mr.Berkmans, Asst. Professor, Department of Commerce gave an invited talk on the title "Recent Trends in Media" on 20/02/2018.

On 21/02/2018 a short film was screened to create awareness among the students.

மாற்று நாடக இயக்கம்

- ✓ ஓயாசிஸ் அரங்கத்தில் 03-07-2017 திங்கட்கிழமை அன்று மாற்று நாடக இயக்கத்தில் உள்ள உறுப்பினர்களுக்கான வரவேற்பு மற்றும் சிறப்புக்கூட்டம் நடைபெற்றது. இதில் மன்ற உறுப்பினர்கள் மற்றும் நிர்வாகிகள் அனைவரும் கலந்துகொண்டனர்.
- ✓ அன்னை தெரேசா அரங்கத்தில் 10-07-2017 முதல் 14-07-2017 வரை ஐந்து நாட்கள் மன்ற உறுப்பினர்களுக்கு நாடக நடிப்பின் அடித்தளப் பயிற்சி அளிக்கப்பட்டது. இதில் நாடகப் பயிற்சி அளிக்கும் பொருட்டு முனைவர் கி.பார்த்திபராஜா

அவர்களும், திரு. ரெஜின், தேசிய நாடகப்பள்ளி, டெல்லி அவர்களும், திரு. மெல்லொடி டார்கஸ், தேசிய நாடகப்பள்ளி, டெல்லி அவர்களும் சிறப்பு அழைப்பாளர்களாகக் கலந்து கொண்டு மன்ற உறுப்பினர்களுக்கு நாடகப்பயிற்சியினை வழங்கினர்.

- ✓ போப் பிரான்சிஸ் அரங்கத்தில் 06-09-2017 புதன்கிழமை அன்று மன்ற உறுப்பினர்களுக்கான சிறப்புக் கூட்டம் நடைபெற்றது. இதில் முனைவர் ஆ.முத்தையன் அவர்கள் கலந்துகொண்டு நாடக வரலாறு குறித்த விரிவான செய்திகளை எடுத்துரைத்தார்.
- ✓ ஏபிஆர்சி அரங்கத்தில் 20-12-2017 புதன்கிழமை அன்று மன்ற உறுப்பினர்களுக்கான சிறப்புக் கூட்டம் நடைபெற்றது. இதில் திரு.குமணன், நாடகச்சாலை, திரையரங்கக்குழு, திருப்பத்தூர் அவர்கள் கலந்து கொண்டு மன்ற உறுப்பினர்களுக்கு நாடகப்பயிற்சியினை வழங்கினார்.

National Service Scheme

1. Workshop on “Enrolment of Voter Identity Card:

The “Workshop on Enrolment of Voter Identity Card” was organized by the National Service Scheme along with other SHELTERS with the permission and blessings of the management on 17th July 2017 from 11:00 a.m. to 12:30 p.m. at the Don Bosco Indoor Stadium. The Tazildhar of Tirupattur, Mr.T.Sriram and Revenue Inspector of Tirupattur, Mr.Thirumalai presided over the programme. The second year students of Shift-II participated in the workshop. The resource person of the workshop, Mr.T.Sriram exclaimed the:

- Importance of Voting
- Importance of voter identity card
- Websites to apply through online
- Procedure for enrollment of voter identity card

There was a group discussion at the end of workshop among the students animated by the resource person. The programme ended with a vote of thanks proposed by Mr. Thirumalai.

2. Enrolment of Voter Identity Card:

The “Online Enrolment of Voter Identity Card” was organized by the Unit 4 of National Service Scheme on 18th July 2017 from 10:00 a.m. to 12:30 p.m. at the browsing centre.

The NSS Volunteers helped the students to enrol for voter identity card at the browsing centre through www.elections.tn.gov.in by uploading their personal details, passport size photo and Aadhaar card. Nearly 50 students from various departments enrolled for their voter identity card.

The Unit 4 of National Service Scheme organized voter enrolment camp on 17th and 18th of July 2017 at Browsing centre, Sacred Heart College, Tirupattur. The NSS Programme Officer (Unit-4) and All the NSS Volunteers actively participated and helped the students (Shift-II) to enrol their names for Voter Identity card. 53 students benefited from this camp.

3. Hygiene and the Importance of Hand Washing:

The National Service Scheme (Unit-4) organized a competition on “Hygiene and Importance of Hand Washing”. The competition was held on 27th September, 2017 at 10:00 a.m. in the playground of Sacred Heart College, Tirupattur.

The NSS programme officer, Mr.B.Seenivasan, organized the event and 50 volunteers of NSS actively participated. The theme of the event was ‘Hygienic and Hand Washing’. The following were the topics;

- ❖ Exhibition – Hand Washing
- ❖ Essay Writing
- ❖ Skit on the Importance of Hand Washing
- ❖ Drawings on Hygiene

The event created awareness among the students about the importance of hygiene, need for hand washing, problems of unhygienic habits.

4. Invited Talk and Short Film on Importance of Breast Feeding:

The “Invited Talk and Short Film on Importance of Breast Feeding” was organized by the Unit-4 of National Service Scheme on 01st August, 2017 from 10:00 a.m. to 12:30 p.m. at OASIS, Sacred Heart College.

The Chief Guest of the programme was Dr.G.Mohan Gandhi, Assistant Professor, Department of Tamil. He spoke about the importance of National Service Scheme and Breast Feeding.

Three short films were screened to mark the ‘World Breast Feeding Week’. ‘Importance of Breast Feeding and Facts on Malnutrition related to Death’. About 50 volunteers from Unit 4 of NSS participated and shared their opinion on NSS and Breast feeding. The programme ended with a group discussion and a vote of thanks.

5. Distribution of Nila Vembu Kasayam to Eradicate and Prevent Dengue:

Unit-4 of National Service Scheme organized and distributed “Nila Vembu Kasayam” to control and prevent Dengue for four days from 21st August 2017 to 24th August, 2017. The material for preparation of Kasayam was given by the Municipal Corporation of Tirupattur. About 50 volunteers from National Service Scheme distributed the Kasayam. More than 2,000 students and 100 staff benefited through this event.

Every day, NSS Volunteers prepared the Nila Vembu Kasayam and distributed to all the staff and students of Shift-II, Sacred Heart College. The event created awareness on natural medicines and prevention of dengue.

6. Celebration and Awareness on Breast Feeding Week

Unit 4 of national Service Scheme celebrated the Breast feeding Week August, 2017 on 04st August, 2017 from 10:30 a.m. to 11:30 a.m. in front of Library, Sacred Heart College. About 50 volunteers from Unit-4 of NSS participated in the event. The NSS volunteers prepared charts and posted them along the road side near Sacred Heart College’s Library where the students visit regularly.

The charts were prepared on:

- ❖ World Breast Feeding Week
- ❖ Importance of Breast Feeding
- ❖ Statistical facts on breast feeding
- ❖ Data on number of death due to non-breast feeding

The event has created awareness among the girl students as well as boys about the importance of breast feeding.

7. Swatch Bharat - Clean India Movement:

Unit-4 of National Service Scheme organized the “Clean India Movement” as per the guidelines of Government of India and Thiruvalluvar University on 18th August, 2017 from 10:30 a.m. to 11:30 a.m. in front of Library, Sacred Heart College. About 50 volunteers from Unit-4 of NSS participated in the event.

The NSS volunteers prepared charts and posted them along the road side near Sacred Heart College’s Library. The charts were prepared on:

- ❖ Origin of Clean India Movement
- ❖ Importance of Cleanliness

8. Rally on Awareness and Prevention of Dengue Fever:

The Municipal Corporation of Tirupattur organized the rally to create Awareness on Dengue Fever along with the NSS units of various colleges and Schools in on 06th October, 2017 at 10.30 a.m. The rally started with the presence of Sub Collector of Tirupattur, Revenue Inspector, Village Administrative Office, Health Inspector and Principal of our College. The rally was for 3 kilometers from our college to Pudupet Road. About 50 students from Unit 4 of NSS participated in the rally:

- ❖ To create awareness on dengue fever
- ❖ To build awareness to be hygienic
- ❖ To prevent spreading of Dengue.

9. Seating Arrangements – College Annual Day

Unit-4 of National Service Scheme arranged the chairs and prepared the seating arrangements on 03/02/2018 from 8:00 a.m. More than 50 volunteers from National Service Scheme arranged the chairs and placards for the Annual day programme. The NSS Volunteers from all the Four Units arranged seats for more than 4000 participants for the staff, students, parents and public.

ROTRACT

Social Drive to Entropy New Young Elections

On 17/07/2017 members of Rotract organized an awareness programme from 11.00 a.m. to 12:30 p.m. on “Social Drive to Entropy New Young Elections”. The objective of this meeting is to give orientation to the young electors. The resource person of the meeting (Tahsildar and Sub Collector, Tirupattur) practically expressed how to use the software for applying and registering the new application through online. A talk on election rules and responsibilities of each citizen were also given.

Rotract Awareness Programme

On 18/08/2017 members of rotract organized an Awareness Programme at 11.30 a.m. to 12:30 p.m. The objective of this programme was to give an orientation about functionalities of the Rotract Association. The resource person of the programme was Mr.D.Adiyaman, Dept. of CS. He introduced Rotract Association and the steps taken in the social prospective. The resource personnel addressed the gathering on social awareness and various health issues.

Dengue Awareness Programme

On 06/10/2017 members of Rotract organized an Awareness Programme on “Dengue Awareness. The objective of the programme was to create awareness about dengue conducted by Tirupattur Rotary club headed by Rtn. C.P. Raja, Rotary President. Sacred Heart College students promoted awareness to the public regarding how to protect themselves from dengue disease.

Mahatma Gandhi Old Age Home - Visitation

On 15/11/2017 students of Rotract visited the “Mahatma Gandhi Old Age Home”. The objective of the programme was to share things with the inmates of Mahatma Gandhi Old Age Home in C.K Asiramam. Students of Rotract association contributed money and clothes.

Social Awareness Vs Club Awareness

On 14/12/2017 the committee members discussed “Social Awareness Vs Club Awareness” from 11:30 a.m. to 12:30 p.m. The objective of the meeting was to give an orientation about social and club awareness. The resource person was Mr.A.Selvaraj Jeyakumar, Asst. Prof., Dept. of BCA. He spoke on the social linkage between family and society. He also compared the social and club impacts.

Rotary Association Meeting

On 11/01/2018 Rotract members discussed “Rotary Club Functionalities” from 11:30 a.m. to 12:30 p.m. The objective of the meeting was to give an orientation about rotary club. The resource person was Mr. Mohankumar, Rotary member from Tirupattur. He spoke about the initiatives of rotary club and its steps towards creating awareness to the public through the club.

Voters Day

On 24/01/2018 Rotract members attended the “Voters Day” Awareness Programme. The objective of the meeting was to give an orientation about voters. Sacred Heart College students participated and gained knowledge from the programme conducted.

Evaluation about Social Impacts

On 09/02/2018 rotary members conducted “Evaluation about Social Impacts” from 11:30 a.m. to 12:30 p.m. The objective of the programme was to gather the information about social impacts from the students. The test was conducted based on the social impacts and then evaluated. Finally, the report showed how much social knowledge was gathered from each student.

Red Ribbon Club

1. RRC Introduction and Discussion on HIV/AIDS

On 13th July 2017 RRC organized an awareness programme about “RRC Introduction and Discussion on HIV/AIDS.” About 80 boys and girls participated in the programme. The students were delivered into eight groups with their leaders. All the students discussed their future activities and wrote in a paper. Finally, the secretary collected the lists and then the president Mr. M.Megathan and the group leaders finalized the year plan of Red Ribbon Club for 2017-2018.

2. TALK AIDS TO AVOID AIDS

Red Ribbon Club conducted a discussion on “TALK AIDS TO AVOID AIDS” at the Pope Francis Hall, at 11:00 a.m on 29th August 2017 in which 85 students participated. The

president Mr.M.Meganathan, gave his speech about HIV/AIDS. During the talk students interacted and clarified their doubts. Finally, Secretary S. Jothishwaran from II B.Sc Mathematics concluded this seminar with the vote of thanks.

3. Seminar on HIV/AIDS

On 04th September 2017, RRC organized a “Seminar on HIV/AIDS.” About 80 students participated in the programme. Each group gave an inspired talk on HIV/AIDS, history of some issues around the world, positive solutions of affected youngsters, etc. Finally, the students concluded “we together create awareness” by their motivated life and the president gave a message to all.

4. Poster presentation

On 15th September 2017 RRC organized a “Poster Presentation” in which 82 students participated. Each group of students prepared charts and displayed in the college campus. They gave information about HIV/AIDS, history of some issues around the world, positive solutions of affected youngsters, etc. Awareness about HIV/AIDS was created in the campus and all the youngsters were motivated.

5. Invited Talk on HIV/AIDS Awareness

AIDS/HIV awareness programme was conducted by the Red Ribbon Club (Shift II), Sacred Heart College, Tirupattur on 13th December, 2017 on the topic “GETTING INTO ZERO ENDS”. The resource person was Mr.G.Shankar, ART, Counsellor, Government General Hospital, Tirupattur, who highlighted on the basics of HIV/AIDS and steps to prevent the cause of the virus. He also stressed on the importance of Blood Donation. Students clarified their doubts regarding AIDS and its remedial measures eagerly.

6. Short films on HIV/AIDS

On 08th February 2018 RRC organized awareness programme through “Short films on HIV/AIDS”. More than 75 students both boys and girls participated in the programme. The short film gave an outline of history of HIV, street play, awareness among youngsters etc.

Youth Red Cross

Rally on the Awareness on Bad Drugs” - on 30th June 2017

The students gathered in front of the College Church at 2.00 p.m. Resource Person was Mrs.Shanthi, Sub-Inspector, Town Police Station, Tirupattur.

Workshop on “Enrolment of Voter Identity Card - on 17th July 2017

A “workshop on Enrolment of Voter identity card” was jointly organized by the National Service Scheme and Youth Red Cross (YRC). On 17th July 2017 from 11:00 a.m. to 12:30. p.m at Don Bosco Indoor Stadium. The Honourable Tahsildar of Tirupattur Mr.T.Sriram and Revenue Inspector of Tirupattur Mr.Thirumalai were the resource person. All the student members of Youth Red Cross from the 2nd year (Shift-II) participated in the workshop.

Psychological Issues among the Young People

The Programme started at 10:05 a.m. with a prayer song. The resource person for the day was Ms. Latha Munusamy, Assistant Professor, Department of Counselling Psychology, with the assistance from the students of PG Counselling Psychology, she shared many useful awareness information with the YRC students, with a wonderful speech and useful presentation, on the following areas:

The five stages / steps on how people progressively get mental disorder:

1 Sadness ; 2. Worry; 3. Depression; 4. Fear; and 5.Anxiety.

Awareness on First Aid and its Importance

The Programme started at 11:05 a.m. The resource person for the day was Dr.M.Antony Arockiasamy, Assistant Professo, Dept. of Mathematics and NSS Co-ordinator, He shared awareness information with the YRC students, with a wonderful speech and useful presentation.

Rally on - Awareness on Dengue Fever

Student members of YRC (Shift-II) participated in a rally on "*Awareness on Dengue Fever*". All the YRC student members participated in this drive. This drive commenced from the College campus to Tirupattur Bus Stand via Pudupet Road. The Commissioner addressed the students about the awareness on Dengue Fever. Students then moved to different streets of our Tirupattur town and spread the awareness messages on Dengue Fever.

8th National Voters Day 2018

The Programme started, with Thamizhthai Vazhthu at 10:05 a.m. Rev.Dr.D.Maria Antony Raj, special speech was given and the programme was headed by Dr.K.P.Karthikeyan, IAS, Sub-Collector, Tirupattur. This programme was organized to educate the youngsters about the importance of casting votes in the election. The rights and responsibilities of a voter were also discussed in the programme.

தமிழ் படைப்புகள்

திரு. உ.சகாயம் இ.ஆ.ப.,

திருப்பத்தூர் தூய நெஞ்சக் கல்லூரியில் 18-02-2018 ஞாயிற்றுக்கிழமை மாலை 6 மணியளவில் திரு.உ.சகாயம் இ.ஆ.ப., அவர்களின் சிறப்புச் சொற்பொழிவு நடைபெற்றது. கல்லூரி வளாகத்தில் நடைபெற்ற இந்நிகழ்விற்குக் கல்லூரி இல்லத் தந்தை அருட்திரு முனைவர் சி.அந்தோணிராஜ் அடிகளார் தலைமை தாங்கினார். கல்லூரி முதல்வர் அருட்திரு முனைவர் டி.மரியஅந்தோணிராஜ் அடிகளார் முன்னிலை வகித்தார். கூடுதல் முதல்வர் அருட்திரு முனைவர் கே.ஏ.மரிய ஆரோக்கியராஜ் அடிகளார் வரவேற்புரையாற்றினார். மக்கள் பாதை அமைப்பின் தலைமை அலுவலகப் பணியாளர் திரு.சு.குமார் மக்கள் பாதை அமைப்பின் நோக்கங்களை எடுத்துரைத்தார். ஆசிரியர் திரு.சின்னப்பராஜ், பேராசிரியர் ஆரோக்கியராஜ் குழுவினர் பாடல்களைப் பாடினர்.

மக்கள் பாதை அமைப்பின் நிறுவனர் திரு.உ.சகாயம் இ.ஆ.ப., அவர்கள் விழாப்பேருரை நிகழ்த்தினார். அவர் தமது உரையில்,

“எளிய குடும்பத்தில் பிறந்த நான் இவ்வாறு உயர்வடையக் காரணம் என் பெற்றோர். என் தந்தையின் மிதிவண்டியில் அமர்ந்து செல்லும் போது, புதுக்கோட்டையில் உள்ள மாவட்ட ஆட்சியர் அலுவலகத்தில் அமர்வேன் என்று முடிவெடுத்துத் திறம்பட படித்தேன். படிப்பில் முழுக்கவனம் இருந்ததால் குடிமைப்பணித் தேர்வு எழுதும் திறமை என்னுள் வளர்ந்தது. குடிமைப்பணித்தேர்வின் நேர்முகத்தேர்வின் போது புதுக்கோட்டை வரலாற்றை வினாவாகக் கேட்டனர். அவர்கள் பாராட்டும் படி விடையளித்தேன். அது மட்டுமல்ல, இந்தியாவின் ஆட்சி மொழியாகும் தகுதி எந்த மொழிக்கு உண்டு என்று வினா எழுப்பியபோது, அத்தகுதி தமிழுக்கு மட்டுமே உண்டு என்று சொன்னேன். நேர்முகத்தேர்வுக்கு வந்தவர்கள் ஏன் அவ்வாறு கூறினாய் என்றார்கள். அதற்கு நான் சொன்னேன், எனக்கு ஐ.ஏ.சை விட தமிழ் தான் உயர்ந்தது என்று குறிப்பிட்டேன்.

“இலஞ்சம் தவிர்த்து நெஞ்சம் நிமிர்த்து” என்ற தாரக மந்திரம் கொண்டு பணியாற்றி வருகின்ற எனக்குப் பல இடையூறுகள் வந்தாலும் அவற்றையெல்லாம் நேர்மையாக எதிர்கொண்டு வருகிறேன். நான் நேர்மையாக இருப்பதற்கு என் குடும்பத்தினர் ஒத்துழைத்து வருகின்றனர். என் பெற்றோர்களே எனக்கு முன் மாதிரியாக இருக்கின்றனர்.

மாணவர்களாகிய நீங்கள் குறிக்கோள் கொண்டு செயல்பட்டால் இங்கே அமர்ந்திருக்கின்ற உங்கள் கல்லூரியின் முன்னாள் மாணவர் திரு.அண்ணாமலை ஐ.பி.எஸ் போல் வளர்ந்து வர முடியும்

உலகைப் புரட்டிப் போட்ட சான்றோர் பெருமக்களை நினைவுப் படுத்திக் கொள்ளுங்கள். உலக அளவில் அறிவியல் மேதை ஐன்ஸ்டீன், அரிஸ்டாட்டில், காரல் மார்க்ஸ் போன்றோரின் வரலாற்றைப் படித்துப் புத்துணர்ச்சி பெறுங்கள். நம் நாட்டில் தோன்றிய உன்னதத் தலைவர்களான அண்ணல் காந்தியடிகள், அண்ணல் அம்பேத்கர், மாவீரன் பகத்சிங் ஆகியோரின் தியாக வாழ்வை நினைத்துப் பாருங்கள். மகாகவி பாரதியின் வீர முழக்கம் விடுதலைப் போரில் புத்தெழுச்சி பெற்றதை மறவாதீர்கள்.

தமிழகத்தின் மாபெரும் தலைவர்களான தந்தை பெரியார், அறிஞர் அண்ணா போன்றோரின் உழைப்பினை நினைத்துப்பாருங்கள். அனைத்திற்கும் மேலாக அவமானப்படுவதைத் துன்பமாக நினைக்காதீர்கள். அவமானப்படுவதையெல்லாம் பொருட்படுத்தாமல் உங்கள் குறிக்கோளை நோக்கி முன்னேறுங்கள்” என்று குறிப்பிட்டார்.

மாணவர்கள் எழுப்பியிருந்த வினாக்களுக்கு விரிவாகவும் சுவையாகவும் விடையளித்தார். ஒட்டு மொத்த பார்வையாளர்களையும் தன் வீறு கொண்ட சொற்பொழிவால் கவர்ந்தார்.

இந்நிகழ்ச்சியில் முன்னாள் மாணவரும் அஞ்சல் துறையில் உயர் அலுவலராகப் பணியாற்றி பணி நிறைவினைப் பெற்ற திரு.அண்ணாமலை ஐ.பி.எஸ், விஜயா கேலக்சி உரிமையாளர் திரு.ம.மதியழகன் உள்ளிட்ட ஏராளமான நகரப் பிரமுகர்கள், அருட்தந்தையர்கள், அருட்சகோதரிகள், பேராசிரியர்கள், அலுவலக அன்பர்கள், மாணவர்கள் திரளாகப் பங்கேற்றனர்.

தமிழ்த்துறைத் தலைவர் முனைவர் பொன்.செல்வகுமார் நன்றி கூறினார். நிகழ்ச்சியைப் பிரிவு 2ன் தமிழ்த்துறைத் தலைவர் முனைவர் பி.பாலசுப்பிரமணியன் திறம்படத் தொகுத்து வழங்கினார்.

முனைவர் பொன்.செல்வகுமார்
தமிழ்த்துறைத் தலைவர்

ஒற்றைக் காலுடன் உயரமான சிகரத்தைத் தொட்ட வீராங்கனை

2011-ம் ஆண்டு ஏப்ரல் 12-ம் தேதி உத்தரப்பிரதேச தலைநகர் லக்னோவிலிருந்து டில்லி செல்லும் பத்மாவதி எக்ஸ்பிரஸ் இரயிலில் பயணம் செய்தார், தேசிய அளவில் வாலிபால் போட்டிகளில் பங்கேற்ற அருணிமா சின்ஹா. அப்போது அவருக்கு வயது 25. பயணத்தில் அவர் இருந்த இரயில்பெட்டியில் நுழைந்த கொள்ளையர்கள் பயணிகளைத் தாக்கி பணம், நகைகளைப் பறித்தனர். இதைப் பார்த்த அருணிமா கொள்ளையர்களை விரட்டினார். எனினும், அதிக எண்ணிக்கையில் இருந்த கொள்ளையர்களை அவரால் விரட்ட முடியவில்லை. அவர்களிடம் சிக்கிய அந்தப் பெண்ணை சரமாரியாகத் தாக்கிய கொள்ளையர்கள் ஓடும் இரயிலில் இருந்து வெளியே வீசினர். அடுத்த தண்டவாளத்தில் போய் விழுந்த அந்தப்பெண் மீது எதிரே வந்த இரயில் ஏறியது. இறந்தே விட்டார் எனப் பலரும் எண்ணிய நிலையில் வலது காலை மட்டும் இழந்தார்.

ஓராண்டு சிகிச்சைப் பெற்ற அந்தப் பெண் காலை இழந்தாலும், நம்பிக்கையை இழக்கவில்லை. கொஞ்சமாக தொங்கிக்கொண்டிருந்த வலது காலில் செயற்கை காலை பொருத்தி இமயமலை மீது ஏறும் பயிற்சி பெற்றார். அதில் அவர் தேர்ச்சி பெறவே, உலகின் மிகப் பெரிய சிகரம் எவரெஸ்ட் மீது ஏறி சாதனை படைத்தார். இதன் மூலம் ஒரு காலை இழந்து எவரெஸ்ட் சிகரம் ஏறிய முதல் பெண் என்ற பெருமையை அருணிமா பெற்றார்.

பனி சூழ்ந்த எவரெஸ்ட் சிகரத்தில் ஏறியதும் தன் முதுகுப் பையில் இருந்து சுவாமி விவேகானந்தர் மற்றும் அவர் வழிபடும் தெய்வங்களின் படங்களையும் வைத்தார். நிறைய ஊதுபத்திகளைக் கொளுத்தி வைத்து இறைவனைப்

பிரார்த்தித்தார். ஒற்றைக் காலுடன் தன்னை உலகின் மிக உயரமான சிகரத்தை ஏற வைத்த இறைவனுக்கு நன்றி தெரிவித்தார்.

அதற்குப் பிறகு உலகப்புகழ் பெற்ற அருணிமாவுக்குப் பணம், புகழ் குவியத் தொடங்கியது. கிடைத்த பணத்தைக் கொண்டு மாற்றுத்திறனாளிகளுக்கு விளையாட்டுப் பயிற்சி பள்ளி துவக்கி வெற்றிகரமாக நடத்தி வருகிறார். அருணிமா சின்ஹா வாழ்க்கை நமக்கு உணர்த்துவது:

ஒன்று உண்டு என்று இரு
வெற்றி உண்டு என்று இரு
மகிழ்ச்சியில் இறைவனை நினை
மனிதரை அவரோடு இணை.

மேஜர் எம்.எஸ்.அல்போன்ஸ்
முன்னாள் உடற்பயிற்சி இயக்குனர்
தூய நெஞ்சக் கல்லூரி, திருப்பத்தூர்

திருப்பத்தூரில் வரலாற்றுத் தடயங்கள்

சவ்வாதுமலையும் ஏலகிரிமலையும் சூழ்ந்த சந்தன நகரம் திருப்பத்தூர். இவ்வூர் ஆதியூர் முதல் கோடியூர் வரையுள்ள பத்து செல்வ செழிப்புள்ள ஊர்களின் தொகுப்பு என்பர். இத்தகைய திருப்பத்தூர் 1000 ஆண்டுகளுக்கு முன்பே உருவாக்கப்பட்டுள்ளது. இதற்கு இவ்வூரைச் சுற்றிக் காணலாகும் கல்வெட்டுகளும் நடுகற்களும் சான்றுகளாய் உள்ளன. தமிழகத் தொல்லியல் துறையில் திருப்பத்தூருக்குத் தனியிடமுண்டு. புதுப்போட்டைக்கு அருகேயுள்ள பைனம்பள்ளி என்னும் ஊரில் தான் தமிழகத்திலேயே முதல் கைக்கோடாரி (Hand axe) கிடைத்தது. மேலும் பால்னாங்குப்பம், கோணாப்பட்டு, கோவிலூர், கணமந்தூர், கேத்தாண்டப்பட்டி போன்ற ஊர்களில் பழமையான நடுகற்களும் சமணர் சிலையும் கண்டெடுக்கப்பட்டுள்ளன. அவ்வரிசையில் அம்மாணங்கோயில் ஏரிக்கரையில் கிடைத்திருக்கும் 'ஏறுதழுவல் நடுகல்' வரலாற்றுச் சிறப்புடையது. தமிழரின் பண்பாட்டுக் கூறுகளில் ஒன்று ஏறுதழுவல், இதை ஜல்லிக்கட்டு, எருதுகட்டு, மஞ்சவிரட்டு, மாடு பிடிச்சண்டை என்று பல பெயர்களில் அழைப்பர். திருப்பத்தூர் பகுதி இயல்பாக முல்லை நிலத் தன்மையைப் பெற்றிருப்பதால் ஆநிறைக் கவர்தலால் ஏற்பட்ட போர்களும் ஆநிறையை அடக்கிய வீரனுக்கு எடுக்கப்பட்ட ஏறுதழுவல் நடுகல்லும் பரவலாகக் காணக்கிடைக்கின்றன.

அம்மாணங்கோயில் கிராமத்தில் ஏரிக்கரையில் 'போத்தராஜா' என்னும் பெயரில் இந்நடுகல் உள்ளது. மாரியம்மனுக்குக் கூழ் வார்க்கும் போது இந்த சாமிக்கும் ஆடு, கோழி பலியிடப்படுகின்றது. இந்த நடுகல்லானது 500 ஆண்டுகளுக்கு முற்பட்டது. விஜயநகர அரசர்களின் காலத்தில் வைக்கப்பட்டுள்ளது. வீரன் வலது கையில் ஜாட்டையும், இடது கையில் மாட்டின் கொம்புகளையும் பிடித்த வண்ணம் உள்ளான். வீரனின் இடதுகால் மாட்டின் மேல் உள்ளது. மாடு தன் தோல்வியை ஒப்புக் கொண்டது போல் மண்டியிட்டு உள்ளது. இந்த அரிய வகையான நடுகற்கள் தமிழகத்தில் சேலம் (ஆத்தூர்), திருவண்ணாமலை (கலசபாக்கம்) பகுதிகளில் மட்டுமே கிடைத்துள்ளன. நம்முடைய திருப்பத்தூர் (அம்மாணங்கோயில்) பகுதியில் கிடைத்திருப்பது இப்பகுதியின் பழமையையும் பெருமையும் பறைசாற்றுவதாக உள்ளது.

முனைவர் க.மோகன்காந்தி
உதவிப் பேராசிரியர், தமிழ்த்துறை

அவசர வாத்தியார்!

அவரவர் காதுகளை
அவரவர் கைகளால்
தலைக்கு மேல்வந்து
தொட்டுவிடுவதே
பள்ளிச் சேர்க்கைக்கான
தகுதித் தேர்வு

கட்டாயத்தின் பேரில்
கலந்து கொண்டதாலோ என்னவோ
என் காதுகளும் கைகளும்
தொட்டுவிடத் துணைநின்றன.
பங்காளிப் பிள்ளைகள்
பள்ளிக்குப் போகத்
தனியாகவிட
மனம்பொறுக்காத தந்தை
கட்டாயப்படுத்தி பள்ளிக்கு அனுப்பினார்.
விளையாடும் விதிகள்
சிறையிலடைபட்டாலும்
சிறகுவிரிக்க மறக்காத
பறவையைப் போல்
மனச்சிறகால்
புரண்டு வருவேன்
புழுதிப் பூக்களில்.

மதியம் போடும்
கோதுமைக் கஞ்சிக்குக்
காலையிலிருந்தே
தவம் கிடக்கும்
புத்தகங்களின் மேல்
படர்ந்திருந்து
துணிப்பையின் துளைகள்வழி
தூதனுப்பிக் கொண்டேயிருக்கும்
துயில்லாதத் தட்டுகள்

சமயலறைப் பக்கத்தில்
வகுப்பிருந்ததால் பெரும்பாலும்
வாசனைகள்தான்
வகுப்பெடுக்கும்
ஆசிரியர் வராத
அன்றைக்கு மட்டும்
யாரோ ஒரு
எட்டாம் வகுப்பு மாணவர்
அவசரமாய் மாற்றப்படுவார்
ஆசிரியர் பணிக்கு

அப்படித்தான் அன்றைக்கும்
அவசர வாத்தியார்

ஆட்சி செய்தார்
 ஏதோ பேசியதற்காய்
 நானிருந்த வரிசை
 பிரம்புகளால் சரிசெய்யப்பட்டு வந்தன
 மூன்று ஊர்கள் கடந்து
 மலைச்சரிவில் மறைந்துகிடக்கும்
 என் பாட்டியூரிலிருந்து
 அனுப்பப்பட்டிருந்தார்
 அம்மாயென்று அறிமுகம் செய்துகொள்ளும்
 அப்பாவித்தாய்
 மூட்டை முடிச்சிகளில்
 அடைந்து கிடக்கும்
 திண்பண்டங்களோடு
 ஜன்னல் வழியாகப்
 பாய்ச்சியிருக்கிறார்
 பார்வைப் பாசத்தை

 அவசர வாத்தியார்
 திடுக்கிட்டுத் திரும்பி
 என்னக்கா என்கிறார்
 இரு கைகளையும் நீட்டி
 என்னை அடித்துவிடு
 என் மகனை விட்டுவிடு எனச் சொல்ல

 என்னோடு சேர்ந்து
 என் வரிசையும்
 தப்பித்துக் கொள்கிறது
 தலைகுனிந்து மன்னிப்புக்கோருகிறார்
 அவசர வாத்தியார்
 இனிமேல் அடிப்பதில்லையென
 தூரத்து ஊரில் அம்மாக்களிருந்தாலும்
 வாழ்வதென்னவோ பிள்ளைகளுக்காய்
 மீண்டும் வருவாரா
 பிரம்பெடுத்துக் கொண்டு
 அந்த
 அவசர வாத்தியார்.

பேரா.கவிஞர்.வெ.சாக்கன்
 உதவிப் பேராசிரியர், தமிழ்த்துறை

செப்டம்பர் 5

- ❖ உலகம் உச்சரிக்கக் கற்றுக்கொண்ட கனம்...
கற்றுக் கொடுப்பவர்களின் தினம்!
- ❖ அன்பான அறிவுச்சுடரை...பண்பாய்!
உரைக்கக் கற்றுக்கொண்ட தினம்!

- ❖ இன்பமாய் வாழவும்... இன்னுலகை ஆழவும்
வழிகாட்டிய தினம்...!
- ❖ உண்மையான உயர்நெறிகள் உலகமெங்கும்
ஊக்கமுடன் செயல்பட்ட தினம்!
- ❖ எளிமையான வாழ்க்கையையும்.. ஏற்றமுடன் வாழக்
கற்றுக் கொண்ட தினம்...!
- ❖ ஐயமின்றியும் அச்சமின்றியும் வாழத்
தன்னம்பிக்கை ஊட்டிய தினம்...!
- ❖ ஒழுக்கமான குணங்களை.. உயரிய
சிந்தனையில் ஓதிய தினம்!
- ❖ கல்வியின் கண் திறந்து...
கல்லாமையை மறந்து...
அறிவுப் புகழ் மறந்து
ஆருயிர்ப் பெற்று அழகாய் வாழும் தினம்....
ஆசிரியர் தினம்!!

கு.உதயா (BU150836)
இளங்கலைத்தமிழ் முன்றாம் ஆண்டு

வசந்தம் வருமென வழிபார்த்து நிற்கின்றோம்

தமிழக விவசாயிகளின்
கண்ணீர் வெள்ளம்
காவிரியின் தண்ணீர்
வெள்ளத்தில் மறையுமென
வழிபார்த்து நிற்கின்றோம்...

நெற்றேன் எடுக்கும்
தஞ்சையில்
மீத்தேன் என்னும்
நஞ்சை எடுக்காதீரென
வழிபார்த்து நிற்கின்றோம்...

தேவைக்கும் சேவைக்கும்
பெண்
நாட்டிற்கும் ஏட்டிற்கும்
ஆண்
இதில் முரண்பாடு வேண்டாமென
வழிபார்த்து நிற்கின்றோம்...

வீட்டிலும் சாதி
நாட்டிலும் சாதி

பாட்டிலும் சாதி
ஏட்டிலும் சாதி
இது கூடாதென
வழிபார்த்து நிற்கின்றோம்...

என் தோழியுடன்
நடக்கும் போதும்
பேசும் போதும்
பார்ப்போருக்கு
நட்பு, காதலையும் காமத்தையும்
கடந்ததெனப் புரிய வைக்க
வழிபார்த்து நிற்கின்றோம்...

சோற்றில் உப்பில்லை
எனச்சொல்லத் தெரிந்த
நமக்குத் தெரியவில்லை
பல பேருக்குச்-சோறே
இல்லை என
அனைவருக்கும் சோறு வேண்டி
வழிபார்த்து நிற்கின்றோம்...

சினிமா புத்தகம்
50,000 பிரதிகள் விற்றுச் சாதனைப்
படைப்பது போல
இலக்கியப் புத்தகங்களும் 1000 பிரதிகளாவது
விற்க வேண்டுமென
வழிபார்த்து நிற்கின்றோம்...

நமது பாரம்பரியம்
அறியும்
ஜல்லிக்கட்டிற்குக் கூட
யாரோ ஒருவரிடம் மல்லுக்கட்டும்
நிலை வேண்டாமென
வழிபார்த்து நிற்கின்றோம்...

ஒரு நாட்டின்
மின்சாரத்தின் கரிசனத்திற்கும்
அந்நிய நாட்டின் தரிசனத்திற்கும்
ஓர் ஊரையே
அணு உலையில் அனுமதித்து
வாயில் பாலையும்
வயலில் கல்லையும்
ஊற்றவும் ஊன்றவும்
வேண்டாமென
வழிபார்த்து நிற்கின்றோம்...

வசந்தத்தை எதிர்பார்க்கும்
நமக்குத் தெரியவில்லை
அதற்கு நாம் தான்

போராட வேண்டுமென
வசந்தம் வருமென
போராட நிற்கின்றோம்

ம.அண்ணாமலை (BU150829)
இளங்கலைத்தமிழ் மூன்றாம் ஆண்டு

நட்பியல்

நட்பு, நட்பாராய்தல், கூடா நட்பு, தீ நட்பு இவை வான்புகழ் வள்ளுவன் நட்பிற்கு வகுத்த அதிகாரங்கள். ஏனென்றால் செய்தற்கரியவற்றுள் சிறந்தது யாதெனின் அது நட்பு என்பது வள்ளுவன் வாக்கு. நட்பைக்குறித்து நம் இலக்கியங்கள் பதிவிட்டிருப்பவற்றை நோக்குங்காள் நம் முன்னோர்கள் நட்பை எந்தளவிற்கு விதந்து போற்றியிருக்கிறார்கள் என்பதும், அதனுடைய மாண்பும் நமக்குப் புலனாகிறது. ஆனால் நம்முன்னோர்கள் எதையெல்லாம் தீ நட்பு, கூடா நட்பென்று கூறிக்கடிந்து புறந்தள்ளினார்களோ அவையே நட்புக்குறிய இலக்கணமாகி விடுமோ என்கிற ஐயத்தை இந்த நூற்றாண்டின் நட்பு ஏற்படுத்துகிறது.

எங்கும் தமிழ் ! எதிலும் தமிழ் ! என்ற வாசகத்தைப்போல இங்கு “மச்சி” என்கிற சொல் மானுடத்தின் உச்சிக்குளிர்வித்த நட்பைக் குறிக்கின்ற சொல்லாய் திரும்பும் திசையெங்கும் தீக்குரலாய் ஒலிக்கின்றது. அத்தனை உறவுகளும் சங்கமித்து, சந்தனமாய் நம் வாழ்வை மணக்க வைக்கும் நட்பை மச்சி என்கிற ஒரு பதத்திற்குள் அடக்கிவிட்ட அவலம். மதுக்கடைகளிலும், மாதுக்களின் பின்னும், மற்றவர்களைக் களாய்ப்பதும், கெட்ட வார்த்தைகளால் தம்மை அர்ச்சித்துக்கொள்வதும், படிக்காமல் இருப்பதும், தேர்வறைகளில் உதவுவதும், தவறுகளை ஊக்கப்படுத்துவதும், மகிழ்ச்சியாக இருப்பதும், “நண்பேன்டா”, “என் ப்ரண்டப்போல யாரு மச்சி”, என்கிற சினிமாத்தனமான வசனங்களிலும், நட்பின் மேன்மையினைத் தொலைத்து விட்டோம்.

“நகுதல் பொருட்டன்று நட்பு மிகுதிக் கண்

மேற்சென்று இடித்தற் பொருட்டு”

என்கிறது வள்ளுவம், ஆனால் அப்படிப்பட்ட நட்பு இங்கே மருந்துக்கும் கிடைப்பதில்லை. பண்பாட்டின் உச்சத்திலிருந்த நட்பு இன்று மச்சி மயமாகி உச்சியிலிருந்து உள்ளங்காலுக்கு இடம்பெயர்ந்து கொண்டிருக்கிறது. இங்கு பாரியின் நட்பிற்காகத் தன்னுயிர் ஈந்த கபிலர், காணாத, பேசாத, பழகாத, கோப்பெருஞ்சோழனின் நட்பிற்காய் தன்னுயிர் ஈந்த பிசிராந்தை, 35 ஆண்டுகளாய் பிரிட்டிஷ் மியூசிய நூலகத்தின் புத்தகங்களுக்கு மத்தியில் தன் சிந்தனையை செதுக்கிய கார்ல் மார்க்ஸ்யை உருவாக்கித் தந்தாரே ஏங்கல்ஸ், இவர்களின் நட்பைச் சற்று நினைத்துப் பார்ப்போம்!

“நாயக்கால் சிறுவிரல் போல் நன்கணியர் ஆயினும்

ஈக்கால் துணையும் உதவாதார் நட்பென்னாம்

சேய்த்தானும் சென்று கொளல்வேண்டும் செய்விளைக்கும்

வாய்க்கால் அணையார் தொடர்பு – நாலடியார்.”

என்ற வழி நல்ல நட்பை ஆராய்ந்து செயற்கரிய நட்பைச்செய்வோம். நண்பர்கள் இல்லாத வாழ்க்கை நரம்பற்ற வீணைக்குச்சமம், எனவே தீமைகளைப்

புறந்தள்ளி நலம் தரும் நட்பை நாடுவோம். இழந்த நட்பின் மாண்பினை மீட்டுருவாக்கம் செய்வோம்.

த.திருப்பதி (BR170802)
தமிழ் ஆய்வில் நிறைஞர்

கனவில் ஒரு இந்தியா

வேலையில்லாத் திண்டாட்டம் இல்லை...!
பெண்சிசுக் கொலை கேள்வியுற்றதே இல்லை...!
இலஞ்ச ஊழல்கள் எங்குமே இல்லை...!
வறுமைக்கோட்டிற்குக் கீழ் ஒருவரும் இல்லை...!
சாதி சண்டைகள் பார்த்தது கூட இல்லை...!
ஏழை, பணக்காரன் வேறுபாடுகள் ஒரு துளிகூட இல்லை...!
இப்படி ஒரு இந்தியாவைக் கண்டேன் கனவில்
எப்பொழுது காண்பேன் நிசத்தில்...!

சாதனை

வேதனையில் வாடாதவன்...!
கலக்கத்தைக் காணாதவன்...!
அவமானத்தால் அவதிப்படாதவன்...!
வெற்றி பெற்றதாக சரித்திரமே இல்லை...!
மனிதா சாதனை வேண்டுமெனில்
சோதனையைத் தாங்கிக்கொள்
வெற்றி உமக்கே....!

செ.பாரத் (AU150255)
இளங்கலை மூன்றாம் ஆண்டு கணிதம் (பிரிவு-1)

என் ஓட்டு விற்பனைக்கல்ல

என் பாரதமே...
அன்னை திருநாட்டை
ஆட்சிப் புரிபவர்
அண்டை நாட்டவரும் இல்லை...
யாரும் இங்கு அடிமை ...
ஆனால் ஏனோ,
இன்றுவரை வல்லரசாக மாறவில்லை...
நோட்டை பெற்றுக்கொண்டு நாட்டை விற்பது நியாயமா?
இலவச பிச்சைக்காக இந்தியாவை இழக்கலாமா?
இதை வாங்குபவர் அயலவரும் இல்லை...
ஆசை துறந்தவரும் இல்லை...
திரை சீலையில் வாழ்க்கையைத் தொலைக்கும் சமூகமே...
திணறும் நாட்டை காக்க விழித்தெழுங்கள்...
தன்நிகரற்ற திருநாட்டைத் தலைநிமிரச் செய்யுங்கள்...
சண்டைகளை அழிப்போம்...

சமாதானத்தைக் காப்போம்...
 ஈன்ற தாய்க்கு மேலான
 திருநாட்டை நேசிப்போம்...
 மதங்களை மறந்து
 மனிதனாக மாறுவோம்...
 ஒற்றுமையாக வாழ்வோம்...
 இரண்டு நிமிடம் சிந்தித்து
 வாக்களிப்போம்
 உரிமையை விட்டு கொடுக்காமல்
 உரத்த குரலில் சொல்வோம்
 என் ஓட்டு விற்பனைக்கல்ல.

உ.விந்தியா (BP170212)
 முதுகலை முதலாம் ஆண்டு கணிதம் (பிரிவு-2)

நட்பு

நான் கண்டெடுத்த சிப்பிக்குள் கிடைத்த முத்து
 உன்னை கண்டு என்னை மறந்தேன்...
 வானில் உள்ள சூரியன் தன் ஒளி வீச மறந்தது...
 பூமி தன்னை தானே சுற்றி கொள்ள மறந்தது...
 ஏன் இந்த மறதி என்றேன்?
 அவை கைகளை நீட்டிக் கூறிய பதில் என்னவோ
 நாம் என்ற நம் நட்பை!
 திகைத்தேன்!
 நம் நட்பைக் கண்ட அவைகளின் மறதியைக் கண்டு...
 நட்பே நீ என் கண்டுபிடிப்பின் சுரங்கம் ஆனாயடி!

தோழி

வனங்கள் தேவையில்லை தோழி...
 உன் புன்னகைக்கொடு என் பக்கங்கள் அழகாகும்...
 வசந்த காலம் தேவையில்லை நட்பே...
 உன் மனதில் இடம் கொடு நாட்களெல்லாம் வசந்தம் பெறும்
 கவிதைகள் வேண்டாம் என் கண்ணே...
 உன் விழிப் பார்வை போதும் வரிகள் ஊற்றெடுக்கும்...
 உன் அருகாமை போதும்
 உலகம் அழகாகிப் போகும்!

ஜெ.வீணா காவியா (BU150207)
 முன்றாம் ஆண்டு கணிதம் (பிரிவு-2)

தமிழ் நாடு

திருக்குறளைத் தந்தது நம் தமிழ்நாடு ஆனால்

நமக்கு அதன் பொருள் உணர நேரம் இல்லை...
 அறத்தினை அறிந்து உணர்ந்த நமக்கு அதனைச் செய்ய மனம் இல்லை
 படித்தவர்கள் எனத் தலை நிமிரும் நம்மால்
 மனிதன் எனச் சொல்ல நமது தலை நிமிர மறுக்கிறது...
 பண்பாட்டிற்குப் பெயர் போனது தமிழ்நாடு
 கலைகளைப் பெற்றெடுத்ததும் நம் தமிழ்நாடு தான்
 உயர்த்துவோம் நம் தமிழ்நாட்டின் பெருமையை
 ஒன்றிணைவோம் தமிழர் என்ற உணர்வால்...
 இல்லையேல் தமிழன் என்ற பெருமைக் கொள்வதை
 இன்றோடு நிறுத்துவோம்...

வ.செல்வ மெட்டி ஷிப்னா (BP151025)
 மூன்றாம் ஆண்டு முதுகலைக் கணினிப் பயன்பாட்டியல்

தாய்

ஒரு இருண்ட சமூகத்தில்
 ஓநாய்கள் சுற்றித் திரியும் பாதையில்
 கார்மேகம் கண்ணீர் சிந்தி
 சமுத்திர அலைகளில் சிக்காமல்
 திமிங்கலத்திற்கு இரை ஆகாமல்
 பத்து மாதம் தவமிருக்கிறாள்
 ஈன்றெடுக்கும் பிள்ளைக்காக...
 உடலை மெழுகினும் உருக்கினாள்
 இளமையை உள்ளத்தால் வதைக்கிறாள்
 உதிரம் துடைக்கா உடலுடன்
 தாயின் மாப்பகம் தவழ்வதற்காகவே!
 ஒரு உயிரைக் கொடுக்க
 மறு உயிர்த்தெழுகிறாள் - தாய்
 என்ற காரணத்தினாலே!

மு.திலக் (BU150215)
 இளங்கலை மூன்றாம் ஆண்டு கணிதம் (பிரிவு-2)

கல்வி

அடுப்பூதியப் பெண்களை
 அரசாள வைத்தத் தாய்
 வாழ்க்கை நெறிகளை
 வகுத்தளித்தத் தாய்
 சாதியத்தால் ஒடுங்கியவனை
 சாதிக்க வைத்தத் தாய்
 வாணின் நீளத்தையும், மண்ணின் ஆழத்தையும்
 அறிய வைத்தத் தாய்

தாய்ப்பாலைப் போன்று இலவசமாய்க்
கிடைக்குமென உவகையோடு காத்திருக்கிறேன்
என்று தான் வருவாளே என் கல்வித்தாய்?

விவசாயி

உலகே உன்னிடம்
ஒரிரு வார்த்தைகள்...
விண்ணை துளைத்துவிட்டு
மண்ணை அழித்துவிட்டு
விவசாயத்தை ஒழித்துவிட்டு
எங்கே வாழப்போகிறாய் மனித இனமே?
இந்த பூலோகத்தின் வேற்று கிரகவாசியா விவசாயி?
நீ விவசாயியை ஒழிக்கவில்லை
உலகே உன்னை நீயே அழித்துக் கொண்டிருக்கிறாய்?
இந்த இறுதி நிமிடத்தில்
இன்னொன்றைக் கூறிக் கொள்கிறேன்
நிலத்தை ஆக்கிரமித்து
விவசாயத்தை வேரறுக்கும் மூடர்களே
விவசாயிகள் வாழ்வது அவர்களுக்காக மட்டுமல்ல
உனக்காகவும் சேர்த்துதான்

வி.விக்டாராஜ் (BU151015)
மூன்றாம் ஆண்டு இளங்கலை கணினிப்பயன்பாட்டியல்

நம்பிக்கை

மனிதா உருகண்டு தரம் பிரிக்காதே
அக்னிச்சிறகு Dr.APJ.அப்துல்கலாம் முதல்
சகாயம் IAS வரை கல்வி பயின்றது ஆரம்பக்கல்வி சாலையில் தான்
அடித்து மகனாய் அவமான சின்னமாய்
அவனியில் அவதரித்த ஆபிரகாம் அமெரிக்கா அதிபரானார்
அகிம்சை ஆயுதம் கொண்டு ஆங்கிலேயனை விரட்டியது அரை ஆடை
உடுத்திய மகாத்மாவை யாராலும் மறக்கமுடியாது
காரிதுப்பி ஒதுக்கி தள்ளப்பட்ட மனிதநேயத்தின் முகவரி
அன்னைதேரேசா என்ற சிம்மசொப்பனம் புனிதர் ஆனார் இன்று
வானுயர வளர்ந்து வலுவாக நின்றாலும்
மூங்கில் புல்இனம் தான்!
வேகத்திற்கும், வீரத்திற்கும்
உதாரணமாகத் திகழும் புலி
புனை இனம் தான்!
இருக்க பிடிப்பதில்
உலகிற்கு உதாரணமாகத்

திகழும் உடும்பு பல்லி இனம் தான்!
பலத்திலும் உருவத்திலும் பெரிதாய் திகழும்
யானையின் எதிரி எறும்பு தான்!
மனிதா உருகண்டு தரம் பிரிக்காதே...

இயற்கையின் குமுறல்

இயற்கை அன்னையின் இதய குமுறல்...
நாகரீக மனிதரின் நய வஞ்சகத்தால் சீர் குலைந்தது என்மேனி
பச்சை ஆடை உடுத்தி
வெண்பஞ்சு மேகமிடம் ஊடல் கொண்டதால்
கார்மேகம் ஆகி கண்ணீர் சிந்திய காலம் காணாமல் போனது
அந்தோ! அழிந்தது என் அழகு
யாதென்பேன் இம்மானிடப் பிறப்பை...
உலக வளர்ச்சி
பிளாஸ்டிக் பாலிதின் குப்பை மேட்டிலிருந்து பார்க்கின்றன
அழிவின் ஆணிவேர் அது தான் என்பதை
அறியாத பதர்கள்
கரியமில் வாயுவைக் கக்கி கண்ணுக்குப் புலப்படாமல் நம்மைக்
காக்கின்ற ஓசோன் தாயின்
அங்கத்தில் அனுதினம் ஆணி அடிகின்றீர்
நான் என்ன மனித குமாரனா? இவர்களை மன்னிக்க
என் ஆடையாகிய காட்டை அழித்து
என் அங்கத்தை அமணமாக்குகிறீர்
போதும் இந்த வீபரித விளையாட்டு
நான் பொறுமை இழந்தால் பொய்யாகிவிடும்
உங்கள் வாழ்வு....

ப.நிவேதா (BP1711043L)

இரண்டாம் ஆண்டு முதுகலைக் கணினிப்பயன்பாட்டியல்

தன்னம்பிக்கை

நண்பா
நீ உனக்கு ஒரு வேலை கிடைக்கும் என்பதற்காகத் தயார் ஆகாதே!
நீ தயாராக இரு
உன் திறமைகளை வளர்த்துக்கொள்
எங்கோ ஒரு வேலை உனக்காக
தயாராகிக் கொண்டிருக்கிறது என்பதை மறக்காதே!
உன் வார்த்தைகளைப் பதிவிடும் முன் அதன்
Present, past and future tense
உணர்ந்து பதிவிடு

உன் வாழ்வில் விடாமுயற்சி, தன்னம்பிக்கை
இருந்தால் எதை வேண்டுமானாலும் நீ அடையலாம்.

லூ.வினு வனத்தையன் (AU150203)
முன்றாம் ஆண்டு இளங்கலைக் கணிதம் (பிரிவு-1)

வாழ்க்கை

இளமையே இந்த வாழ்க்கை ஒரு பெரிய பயணம்
அதில் உன் வாலிபம் கொஞ்ச தூரம்
ஒருவகையில் வாழ்க்கை என்பது வியாபாரம்
உன் அவமானங்களை விற்றால்
வெகுமானங்களை வாங்கலாம்...!
சோகங்களை விற்றால்
புன்னகையை வாங்கலாம்...!
தழும்புகளை விற்றுப்
புகழை வாங்கலாம்...!
சிறகை விரித்து இரையைத் தேடுவதாலேயே
சிட்டு குருவியின் வாழ்க்கையும் இவ்வுலகில்...!
நீயும் உன் சிறகை விரித்துப் பிறகு சிரி
கிழிக்கப்படும் துணியே உடையாகிறது
அதுபோல் கசக்கப்படும் வாழ்க்கையே கம்பீரமகிறது
புறப்படு உன் புத்துணர்ச்சியோடு
நடந்திடு உன் நம்பிக்கையோடு
இவ்வாழ்க்கை பயணத்தில்...!
காயப்படாத மூங்கில் புல்லாங்குழல் ஆகாது
சுடப்படாத புல்லாங்குழலில் சுதி சேராது
அதுபோல் வலிபடாத வாழ்வில் வசந்தங்கள் நுழையாது
விமர்சனங்களைப் பற்றித் துளியும் நீ கலங்காதே
அதுவேலை இல்லாதவனின் சோம்பேறி சுருதிகள்
இனியும் உனது வாலிபம் சருகு சுமக்கக் கூட
சங்கடப்படக் கூடாது
வெற்றியின் வேருக்கு
வியர்வைத் தருவதற்கு நீ
தயாராக வேண்டும்
இளமையே விழி - உன்
சோர்வை கிழி
உன்னை பிழி - பிறகு
தெரியும் ஒரு ஒளி.....!

பி.அக்ஷதா (BU150324)
முன்றாம் ஆண்டு இளங்கலை இயற்பியல் (பிரிவு-2)

நட்பு

யார் என்ன வேண்டுமானாலும்
உன்னைச் சொல்லட்டும்

நான் உன்னை நெருப்பு
என்று தான் சொல்லுவேன்
என்னையும் ஒரு ஜோதியாக
மாற்றியதற்கு...

கே.வினோத் குமார் (BU160235)
இரண்டாம் ஆண்டு இளங்கலைக் கணிதம் (பிரிவு-2)

குறளும் ஏழு என்னும் எண்ணுப்பெயரும்

முன்னுரை

முப்பால் என வழங்கப்படும் திருக்குறளுக்கும் ஏழு என்னும் எண்ணுப்பெயருக்கும் பெரிதும் தொடர்புள்ளது.

நூலின் அமைப்பு முறை

திருக்குறள் ஏழு சீர்களால் ஆனது. திருக்குறளின் அதிகாரங்கள் 133 இதன் கூட்டுத்தொகை ஏழு ஆகும். மொத்த குறட்பாக்கள் 1330 இதன் கூட்டுத்தொகையும் ஏழு ஆகும். திருக்குறளில் ஏழு என்னும் எண்ணுப்பெயர் எட்டு முறை வருகிறது.

குறட்பாவில் ஏழு என்னும் எண்ணுப்பெயர்

திருக்குறளில் ஏழு என்னும் எண்ணுப்பெயரைத் திருவள்ளுவர் எட்டு முறை பயன்படுத்தியுள்ளார்.

1. எழுப்பிறப்பும் தீயவை தீண்டா பழிபிறங்காப் (குறள் - 62)
2. எழுமை எழுபிறப்பும் உள்ளுவர் தம்கண் (குறள் - 107)
3. ஒருமையுள் ஆமைபோல் ஐந்துஅடக்கல் ஆற்றின்
எழுமையும் ஏமாப்பு உடைத்து. (குறள் - 126)
4. புகழ்ந்தவை போற்றிச் செயல்வேண்டும் செய்யாது
இகழ்ந்தார்க்கு எழுமையும் இல். (குறள் - 538)
5. ஒருமைக்கண் தான்கற்ற கல்வி ஒற்றற்கு
எழுமையும் ஏமாப்பு உடைத்து. (குறள் - 398)

இந்த ஐந்து குறட்பாக்கள் ஏழு என்னும் எண்ணுப்பெயரைப் பிறவியைச் சுட்ட வந்துள்ளது.

6. ஒருமை செய்ஆற்றம் பேதை எழுமையும் (குறள் - 835)

இந்த குறளில் ஏழுதலைமுறை என்று கூறியுள்ளார் திருவள்ளுவர். பிறவியைப் பற்றி கூறும்பொழுது ஏழு என்னும் எண்ணுப்பெயர் தான் பயன்படுத்த வேண்டும். ஏனென்றால் பிறவிகள் ஏழு ஆனால் தலைமுறை என்று சொல்லும் போது மற்ற எண்களைப் பயன்படுத்தி இருக்கலாம்.

7. ஒருநாள் எழுநாள்போல் செல்லும்.... (குறள் - 1269)
8. நெருநற்று சென்றார்எம் காதலர் யாமும்

எழுநாளேம் மேனி பசந்து.

(குறள் - 1278)

இதில் தலைவனைப் பிரிந்து இருக்கும் பொழுது ஒருநாள் கழிவது ஏழு நாள் கழிவது போன்று உள்ளது என்று கூறியுள்ளார் திருவள்ளுவர்.

திருவள்ளுவருக்குப் பிடித்த ஒரு எண் ஏழாக இருந்திருக்கலாம்.

க.தேவிபாலா (BP170806)
முதுகலைத் தமிழ் முதலாமாண்டு

திருக்குறளின் தனிச்சிறப்புகள்

முன்னுரை

தமிழில் உள்ள நூல்களிலியே மிகவும் சிறப்பிடம் பெற்ற நூல் திருக்குறளாகும். மனிதவாழ்வின் முக்கிய அங்கங்களாகிய அறம், பொருள், இன்பம் ஆகியவற்றை விளக்கும் வாழ்வியல் நூலாகும். பதினெண் கீழ்க்கணக்கு எனப்படும் பதினெட்டு நூல்களின் திரட்டில் காணப்படும் திருக்குறள் மனிதர்கள் தம் அகப்புற வாழ்வில் இன்பமுடனும் நலமுடனும் வாழத் தேவையான அடிப்படைப் பண்புகளை விளக்குகிறது. இதனுடைய தனிச்சிறப்புகளை எடுத்தியம்புவது இக்கட்டுரையின் நோக்கமாகும்.

தனிச்சிறப்புகள்

திருக்குறள் உலகப் புகழ்பெற்ற தமிழ் இலக்கியமாகும். உலக மக்கள் அனைவருக்கும் பொதுவான கருத்துக்களைப் போதிப்பதால் திருக்குறள் ‘உலகப் பொதுமறை’ எனவும் போற்றப்படுகிறது. “முப்பால், உத்தரவேதம், தெய்வநூல், பொய்யாமொழி, வாயுரை வாழ்த்து, தமிழ் மறை, திருவள்ளுவம், ஈரடி நூல், வான்மறை” போன்ற பல சிறப்புப் பெயர்களைக் கொண்டது. திருக்குறளின் முதல் பெயர் முப்பாலாகும். இது ‘குறள்’ எனும் வெண்பாக்களால் ஆகி ‘திரு’ என்ற அடைமொழியைப் பெற்றுப் பின்பு ‘திருக்குறள்’ என்றானது.

திருக்குறள் 42,194 எழுத்துக்களையும் 14,000 சொற்களையும் 133 அதிகாரங்களையும் 1330 குறட்பாக்களையும் கொண்டது. திருக்குறள் 1812-ல் முதன்முதலில் அச்சிடப்பட்டு ஞானப்பிரகாசர் என்பவரால் தஞ்சையில் வெளியிடப்பட்டது. திருக்குறளுக்கு உரை எழுதியவர்கள் 206 பேர் ஆவர். திருக்குறள் இதுவரை சுமார் 80 மொழிகளில் வெளிவந்துள்ளது. திருக்குறளை இதுவரை ஆங்கிலத்தில் நாற்பது பேர் மொழிபெயர்த்துள்ளனர். நரிக்குறவர் பேசும் வக்போலி எனும் மொழியில் திருக்குறளை மொழிபெயர்த்தவர் கிட்டி சிரோன்மணி ஆவார். திருக்குறளில் குறிப்பிடப்படாத எண் ஒன்பது ஆகும். திருக்குறளில் தமிழ் எழுத்துக்கள் மொத்தம் 247-இல் (37) எழுத்துக்கள் பயன்படுத்தப்படவில்லை. திருக்குறளில் ‘னி’ என்ற எழுத்தானது 1705 முறை பயன்படுத்தப்பட்டுள்ளது.

திருக்குறளில் இடம்பெறாத ஒரே உயிரெழுத்து ‘ஔ’ ஆகும். திருக்குறளில் ஒரே பெயரில் அமைந்த அதிகாரம் ‘குறிப்பறிதல்’ ஆகும். திருக்குறளில் உவமைகளாக அனிச்ச மலர் நான்கு முறையும் யானை எட்டு முறையும் பாம்பு மூன்று முறையும் திருவள்ளுவர் கூறியுள்ளார். திருக்குறளில் இடம்பெற்ற இருமலர்கள் அனிச்சம், குவளை ஆகும். திருக்குறளில் குறிப்பிடப்படும் ஒரே பழம் ‘நெருஞ்சிப்பழம்’ ஆகும். திருக்குறளில் தமிழ், கடவுள் ஆகிய

இருசொற்கள் பயன்படுத்தப்படவில்லை. திருக்குறள் எந்தவொரு சமயத்தையோ, மதத்தையோ, மொழியையோ சார்ந்து இயற்றப்படவில்லை என்பது இதன் தனிச்சிறப்பாகும். ஆகையால்தான் திருக்குறள் உலகமக்கள் அனைவராலும் போற்றப்படுகின்றது. திருக்குறளில் இடம்பெற்ற ஒரே விதை ‘குன்றிமணி’ ஆகும். திருக்குறளில் ஒருமுறை மட்டும் பயன்படுத்தப்பட்ட எழுத்துகள் ளீ, ற ஆகும். குமரியில் இருக்கும் திருவள்ளுவர் சிலையின் உயரம் 133 அடியாகும். திருக்குறளின் சிறப்பைப் போற்றும் வகையில் குமரியிலிருந்து தில்லி வரை செல்லும் தொடர் வண்டியின் பெயர் ‘திருக்குறள் விரைவான்’ என்று வைக்கப்பட்டுள்ளது. திருக்குறள் உயிரெழுத்தான ‘அ’ கரத்தில் தொடங்கி மெய்யெழுத்தான ‘ன்’ ல் முடிவது இதன் தனிச்சிறப்பாகும். இவைத் தவிர மேலும் பலவகையான சிறப்புகள் திருக்குறளுக்கு உள்ளன.

முடிவுரை

‘உலகப்பொதுமறை’ என்று போற்றப்படுவதற்கு இணங்க இலண்டனில் உள்ள விவிலியத் திருநூலுக்கு இணையாக திருக்குறள் வைக்கப்பட்டுள்ளது. திருக்குறளின் பெருமையைச் சுருக்கமாக,

“இறைவன் மனிதனுக்குச் சொன்னது கீதை
மனிதன் இறைவனுக்குச் சொன்னது திருவாசகம்
மனிதன் மனிதனுக்குச் சொன்னது திருக்குறள்”

என்று சான்றோர்கள் திருக்குறளைச் சிறப்பித்துள்ளனர். திருவள்ளுவர் மனித வாழ்வின் அங்கங்களாகிய அறம், பொருள், இன்பம், வீடு ஆகிய நான்கில் அறம், பொருள், இன்பம் ஆகிய மூன்றை மட்டும் குறிப்பிட்டுள்ளார். இம்மூன்றையும் ஒருவன் கற்றால் அவன் வீடுபேறு அடைவான் என்பது திருவள்ளுவர் மனிதனுக்கு உரைத்த நீதி ஆகும்.

மு.அருண்குமார் (BP170810)
முதுகலைத் தமிழ் முதலாமாண்டு

யார் அவள்?

அவள் குருதி எனக்கு உணவானது
அவள் சிரித்தாள் நான் உதைக்கையில்
அவள் நெகிழ்ந்தாள் நான் வளர்கையில்
கருவிலே நான்...
உயிரிலே அவள்...
மாதங்கள் ஓடின
திடீரென ஒரு நாள்
அவளுக்கு வலி என்றார்கள்
அவளைப் பார்க்கும் ஆவலில் நானும்
என்னைக் கொஞ்சம் கற்பனையில் அவளும்
அவள் கதறல் நின்றுவிட்டது
மறுகதறல் அங்கு தொடங்கியது
நான் பிறந்துவிட்டேனாம்!
எல்லோரும் எனைக் காண நெருங்கினார்கள்
நான் எனை ஈன்ற தெய்வத்தைப் பார்த்து அழுக
அவளும் கண்ணீர் விட்டாள்.

ஒகியே... ஓய்ந்துவிடு... எம்மை வாழ்விடு...

ஆழிப் பேரலை விட்டுச் சென்ற
மனக்காயங்கள் இன்னும் ஆறவில்லை
இலையுதிர் மரமாய் நின்ற எங்கள்
வாழ்க்கை சிறுதளிர்விட
துவங்கிய நிலையில்
சிறிது சிறிதாய் சேர்த்து வைத்து
வாழ்வு நடத்த படகும் செய்து
கடலன்னையை நம்பி சென்று
வாழ்வதனை நடத்தி வந்தோம்
தந்தையும் மகனும் ஓர் படகில்
அண்ணனும் தம்பியும் மற்றொர் படகில்
மாமனும் சித்தப்பாவும் இன்னோர் படகில்
நண்பனும் அயல் வீட்டாரும் அருகாமைப் படகில்
முதலாளியும் ஏழைத்தோழனும் தூரத்துப் படகில்
ஓர் குடும்பமாய் ஓரினமாய் மீன் பிடித்து
நாட்டிற்கும் வீட்டிற்குமாய் உழைத்து வந்தோம்
சுனாமி எனும் கடல் அரக்கன்
வந்து சென்ற பதிமூன்றாமாண்டில்
ஒகியே நீயும் வீறுகொண்டு வந்து
எம்மவரை பழிதீர்த்த நியாயமென்ன?
தந்தை வருவார் எனத்
தவித்து நிற்கும் குடும்பம் இங்கே
மகன் வருவான் என
ஏங்கி நிற்கும் பெற்றோர் இங்கே
தமையன் வருவான் என
வாழ நிற்கும்
தமக்கை இங்கே
கணவன் வருவார் எனக்
கதறித் துடிக்கும் மனையாளும் இங்கே
தந்தையின் நிலையறியா
பச்சிளங்குழந்தைகள் இங்கே
குடும்பங்கள் பலவற்றை சிதைத்து நொறுக்கி
பலபெண்கள் மாங்கல்யத்தை உடைத்தெறிந்து
உறவுகள் வாழ்வதனை கேள்வி குறியாக்கியதன் நியாயமென்ன?
தந்தையின் இறப்பைக் கண்டு
துடித்துப்போன மகனுக்கும்
மகனின் இறப்பைக் கண்டு
குருதி உறைந்து போன தந்தைக்கும்
உடன்பிறப்பின் துடிதுடிப்பைக் கண்டு
துவண்டுபோன சகோதரிக்கும்
உயிர்த்தோழர்கள் மடிவதைக் கண்டு

நெஞ்சடைந்து போன நட்புக்களுக்கும்
 ஒகியே நீ கூறும் பதில் என்ன?
 ஒகியே உனக்கென ஓர் இதயமிருந்தால்
 ஒகியே உனக்கென்று ஓர் மனசாட்சியிருந்தால்
 ஒகியே உன் இனத்திடம் போய் சொல்
 வெள்ளை உள்ளம் கொண்ட அவர்கள்
 இன்னுமோர் சுனாமியோ, ஒகியோ
 சந்திக்கும் வலுவில்லை ஆற்றலில்லை என்று...
 ஒகியே நீ ஓய்ந்து விடு எம் இனத்தை வாழவிடு...

லூ.பிரகாஷ் ஜான்பால்
 ஆய்வாக உதவியாளர், இயற்பியல் துறை

A Glimpse of Great Mathematicians in the Mathematical Map of the World

ARCHIMEDES (287 B.C – 212 B.C)

'A Genius more Divine than Human' says an Italian historian of Mathematics about Archimedes. He is also known as the 'God of Mathematics'. He was a pioneer to the study of specific gravity and the centre of gravity of planes and solids. He had stated the law.

$$a^m \cdot a^n = a^{m+n}$$

Which is the basis for our present day operations by logarithms; he solved cubic equations by the intersection of conics. He is also known for his study of spirals. He stands out as one of the greatest mathematicians in history.



PYTHAGORAS (572-501 B.C)



Of all the interesting figures in the history of Mathematics, Pythagoras ranks first. He dwelt upon the mystic properties of numbers and considered arithmetic as one of the four degrees of wisdom - Arithmetic, Music, Geometry and Astronomy. The well-known theorem on the right angled triangle is due to him. He proved the proposition relating to the sum of the angles of a triangle. He discovered the amicable numbers and perfect numbers.

EUCLID (500 B.C)

Of all the great names connected with Alexandria, that of Euclid was the best known. He was the most successful textbook writer (over 1000 editions of his geometry having appeared in print since 1482). He wrote 'elements' consisting of theorems. The topics are: congruence, parallels, the Pythagorean theorem. Identities like $(a+b)^2$ · circles, inscribed and circumscribed polygon, Arithmetic treated geometrically, solid geometry etc.,



BHASKARA (1114-1185)

He wrote chiefly on Astronomy, Arithmetic, Mensuration and Algebra. His most celebrated work is the Lilavati, a treatise based upon Sridhara's Trisatika and relating to Arithmetic and Mensuration. This book includes notations, the operations with integers and fractions, the most common commercial rules, interest, series, alligation, permutation, mensuration and a little Algebra. He also wrote 'Bija Ganita' a work on Algebra.



PIERRE-SIMON LAPLACE (1749-1827)



His name is chiefly connected with astronomy and celestial mechanics. He also wrote on Probability, the Calculus, the Differential Equations and Geodesy. In celestial mechanics theory he stands unrivalled. The self-made American Astronomer Nathaniel Bowditch (1773-1838) remarked, "I never come across one as Laplace's".

NICHOLAS COPERNICUS (1473-1543)

Among those whose interest was primarily in Astronomy but who stimulated the mathematicians to seek for new applications of his science, no one stands higher than Copernicus. The work of Copernicus necessitated the improvement of Trigonometry and for this reason he wrote a treatise on the subject, his single contribution to the literature of pure Mathematics. In 1530, he had completed his theory of the universe, the most significant step ever taken in the science of Astronomy. Columbus opened a new world but Copernicus opened millions of worlds.



SRINIVASA RAMANUJAM (1888-1920)



"Every positive integer was one of Ramanujam's personal friend" was the famous remark of prof. Hardy on the great prodigy who created a dent in the mathematical map of the world. He lived in numbers and for numbers. The discovery of the "lost" notebook of Ramanujam opened up new avenues of knowledge in the theory of modular functions. Ramanujam was of such calibre that even working with him required a great personality. The Encyclopaedia says that he is recognised by mathematicians as a "Phenomenal Genius".

Dr. A. Merceline Anita,
Asst. Prof., Dept. of Mathematics

The Incredible Nutrients in Papaya Leaf

Phytonutrient compounds in papaya leaves act in synergy to display a strong antioxidant and immunity enhancing impact in the bloodstream. Papain, alkaloids and phenolic compounds are responsible for their positive biological effects.

The enzymes papain and chymopapain are the two biologically active components of papaya. They aid in digesting proteins and are widely used for treating indigestion, bloating, and other digestive disorders. In addition, the alkaloid compounds, carpaine, pseudocarpaine and dehydrocarpaine demonstrate chemo-preventive effects.

Pure isolated alkaloids and their synthetic derivatives are used as basic medicinal agents because of their antispasmodic, analgesic, and bacterial properties. The phenolic compounds, caffeic acid, chlorogenic acid, quercetin and kaempferol exhibit potent antioxidant effect. Papaya leaves are also high in minerals like calcium, potassium, sodium, magnesium, iron and manganese.

Papaya leaves are known to contain very high amounts of vitamins A, C, E, K, the B vitamins and especially high in B17 (laetrile, which is used for the treatment of cancer).

Drinking Papaya Juice To Increase Blood Platelets (As In The Case of Dengue Fever)

Dengue fever is a disease caused by infection with a type of virus called *Flavivirus*. There are four different subtypes of this virus producing varied manifestations of the disease. The disease is spread through the bites of mosquitoes belonging to the *Aedes aegypti* species. The disease is essentially a tropical one and is endemic in large parts of Latin and South America. Of late, its incidence has been on the increase in Asian countries such as India.

Symptoms of Dengue Fever

Symptoms, which usually begin four to six days after infection and last up to 10 days, may include

- Sudden, high fever
- Severe headaches
- Pain behind the eyes
- Severe joint and muscle pain
- Fatigue
- Nausea
- Vomiting
- Skin rash, which appears two to five days after the onset of fever
- Mild bleeding (such a nose bleed, bleeding gums, or easy bruising)

Sometimes, symptoms are mild and can be mistaken for those of flu or other viral infections. Younger children and people who have never had the infection before tend to have milder cases than older children and adults. However, serious problems can develop. These include dengue hemorrhagic fever, a rare complication characterized by high fever, damage to lymph and blood vessels, bleeding from the nose and gums, enlargement of the liver, and failure of the circulatory system. The symptoms may progress to massive bleeding, shock, and death. This is called dengue shock syndrome (DSS).

Prevention

Control and elimination of mosquito population is the best method of prevention. A vaccine is in the late stages of development but is still not available for commercial use on a large scale. Control of the mosquito population reduces the incidence of dengue, yellow fever, and certain other rare fevers that are also transmitted by the same species of mosquito.

Health Benefits of Papaya Leaf Juice

Blood platelet production: Maintaining a high number of blood platelets is extremely important after a serious illness, especially with diseases like dengue that cause blood platelets to drop to dangerously low levels. The *Asian Pacific Journal of Tropical Biomedicine* found that papaya leaf juice significantly increases blood platelet production.

Supports the liver: Due to the very potent cleansing effect of papaya leaf juice for the liver, it is the basis of healing for many chronic diseases, especially of the liver, such as jaundice, liver cirrhosis and liver cancer.

Prevents diseases: Papaya leaf juice contains acetogenin that may be used to prevent many dangerous diseases, including malaria, dengue, and cancer. This supports the immune system and naturally fights viral and bacterial invaders in the body.

Boosts energy levels: Papaya leaf juice does such a good job of cleansing and healing that drinking it daily can help improve your energy levels and help you get started on the day more quickly. It could possibly be helpful for improving chronic fatigue.

Supports your digestive systems: Papaya leaves contain papain, chymopapain, protease and amylase enzymes that are helpful in properly breaking down proteins, carbs and helping with digestion. Individuals with digestive disorders may find this juice healing and help regulate the digestive system. This very potent antimicrobial juice reduces inflammation of the stomach lining and heals peptic ulcers by killing harmful bacteria such as the H.Pylori bacteria. This healing process may also reduce colon inflammation and inflammatory bowel diseases (IBD).

Minimizes inflammation: Inflammation is a common side effect of illnesses and allergies. The anti-inflammatory properties in papaya leaf juice are helpful for reducing inflammation, and possibly also reduce chemotherapy side effects.

Regulates menstruation disorders: Drinking papaya leaves may reduce PMS symptoms and possibly regulate menstruation cycles due to its very potent healing properties that balance hormones.

Protects cardiovascular health: The powerful antioxidants in papaya leaf boost the immune system, greatly improve blood circulation, dilate vessels and protect heart health from stroke and diseases.

Naturally lowers blood sugar levels: Papaya leaf juice improves insulin sensitivity that helps regulate blood sugar levels. The high antioxidant content is helpful to decrease the secondary complications of diabetes such as fatty liver, kidney damage and greatly reduces oxidative stress.

Mrs. A.C.Gomathi
PG Head, Dept. of Biochemistry

Habits for Fortification of Immunity

The human body is exposed to trillions of germs every single day which can be found in the air we breathe, drinking water or food. There is no escaping from bacteria like microbes, and the body is always vulnerable to an attack by germs. The human immune system is an integral part of the body which functions significantly in keeping the body strong and healthy. When the immune system is weak, microbes tend to be stronger and this is what makes the body susceptible to diseases. The basic role of immune system is to combat infection allowing the body to function normally. When bacteria or any foreign material enters the body, the immune system immediately rescues the body and prevents damage from continuing. This is because coming in contact with infection is something unnatural for the body. For as long as the immune system is in its best condition, bacteria and infection are most likely to die down. One of the common responses from the immune system is to use white blood cells to gradually destroy bacteria and viruses. Since the immune system is responsible for protecting the body from diseases and viral infections, a person with compromised immunity may be more likely to develop illnesses. Another vital function of the immune response is its ability to flush toxins from a person's body.

Various types of cells help to identify and destroy cellular material that is determined to be intrusive. The immune system keeps humans and animal from getting sick. Without the

immune system we would be sick and vomiting all the time. The immune system helps our body to defend itself against disease-causing germs and other foreign substances. It also helps us to kill the microbes which enter our blood. Building a strong immune system means supplying the body with adequate nutrients and adopting a healthy lifestyle. Here are simple suggestions to improve our immunity that can be followed in our daily life.

Get enough sleep and manage stress: Sleep deprivation and stress overload increase the hormone cortisol, prolonged elevation of which suppresses the immune function.

Avoid tobacco smoke: It undermines basic immune defenses and raises the risk of bronchitis and pneumonia in everyone and middle ear infections in kids.

Avoid alcohol: Excessive consumption impairs the immune system and increases vulnerability to lung infections.

Catch some rays: Sunlight triggers the skin's production of vitamin D. Low vitamin D levels correlate with a greater risk of respiratory infection.

Eat plenty of vegetables, fruits, nuts, and seeds: These will provide our body with the nutrients that our immune system needs. A study in older adults showed that boosting fruit and vegetable intake improved antibody response to the Pneumovax vaccine, which protects against *Streptococcus pneumoniae*.

Exercise regularly: Regular exercise is one of the secrets of healthy living. It improves cardiovascular health, lowers blood pressure, helps control body weight, and protects against a variety of diseases. It may contribute even more directly by promoting good circulation, which allows the cells and substances of the immune system to move through the body freely and do their job efficiently.

Avoid Sugar: Sugar can devastate our defenses. Excess sugar tends to link up with proteins and fats, forming cross-links. In the course of time, the cross-link between sugar and protein becomes permanent. This is what is known as an AGE (advanced glycation end product). AGEs wreak all kinds of havoc in the body, with a tendency to interfere with the immune system and its ability to protect against respiratory infection. We like sugar, and microbes do too. One reason that we like sugar is because our cells use sugar as a source of energy. Microbes are no different, and they rely on sugar molecules to survive—and even thrive.

Enjoy Fermented Foods with Every Meal: Fermented foods (Curd, Idli, Pickles etc..) contain probiotic microbes. Probiotic microbes displace the bad guys in the intestinal tract, and they also produce natural antibiotics that kill any stray disease-causing organisms. Probiotics play a crucial role in the development and operation of the mucosal immune system in our digestive tract, and aid in the production of antibodies to pathogens. This makes a healthy gut a major factor in maintaining optimal health, as a robust immune system is our top defense system against all disease.

Relax, Laugh, and Be Mindful: Relaxation and laughter make us feel good, so it may not come as a surprise to learn that they are also good for our immune system. Relaxation, laughter, and mindfulness support a healthy immune response. Researchers at Emory University School of Medicine found that compassion and meditation actually helped to reduce the levels of inflammatory cytokines—or messengers that activate an inflammatory response. Other researches from the University of Wisconsin show that mindful practices like meditation can increase resistance to respiratory infection and enhance recovery time.

Take Citrus fruits: Most people turn to vitamin C after they catch a cold. That's because it helps build up our immune system. Vitamin C is thought to increase the production of white

blood cells. These are key to fighting infections. Popular citrus fruits include grapefruit, orange and lemon.

Go for garlic: Garlic is a broad-spectrum antimicrobial agent and immune booster. Because heat deactivates a key active ingredient when added to foods just before serving.

Include Ginger: It is another ingredient that one may turn to after getting sick. Ginger may help decrease inflammation, which can help reduce a sore throat and other inflammatory illnesses. Ginger may also help decrease nausea.

Have Cabbage: Cabbage is a great source of glutamine, an amino acid that is essential in maintaining a healthy gut.

Cook with immune-boosting spices: Cook the food in a way that doesn't disturb the food's natural intelligence. Spices add good flavor and have yogavahi property, which means that they support digestion and make the nutrients easily available to the body. Different spices also have specific immune-boosting properties. Turmeric has an immune-modulating effect, because it detoxifies and enhances the intelligence of the immune cells. Cumin burns ama. Black pepper clears the channels.

Eat at the proper time: Eat the main meal in the middle of the day because when the sun is highest the digestion is strong. Eat lighter at breakfast and at night, when digestion is weak. This will enhance immunity. It is also important to eat the meals at the same time every day. Our digestion gets used to a routine, and becomes more efficient.

Mrs.R. Ananthalakshmi,
UG Head, Dept. of Biochemistry

Nanofertilizers

Numerous studies suggest that nanotechnology will have major, long-term effects on agriculture and food production. Nanoparticles have enhanced reactivity due to enhanced solubility, greater proportion of surface atoms relative to the interior of a structure, unique magnetic/optical properties, electronic states, and catalytic reactivity that differ from equivalent bulk materials. The positive morphological effects of nanofertilizers include enhanced germination percentage and rate, length of root and shoot, and their ratio; and vegetative biomass of seedlings along with the enhancement of physiological parameters like enhanced photosynthetic activity and nitrogen metabolism in many crop plants. Additionally, this technology holds the promise of controlled release of agrochemicals and site targeted delivery of various macromolecules needed for improved plant disease resistance, efficient nutrient utilization and enhanced plant growth. Meanwhile, concerns have been raised about the potential adverse effects of nanoparticles on biological systems and the environment such as toxicity generated by free radicals leading to lipid peroxidation and DNA damage. In this scenario, there is a need to predict the environmental effect of these nanoparticles in the near future.

Dr. I. Niyas Ahamed
Asst. Prof., Dept. of Biochemistry

Same Rise, Different Searches

Every day, every week, every month, and every year;
We wake up with a lot of dreams yet uninformed.

We always want to see ourselves that drive the latest car;
We always want to see ourselves that ride the latest bike;
We always want to see ourselves that live in beautiful apartments;
We always want to see ourselves that have families;
Living and dreaming all about us, ourselves;
Blinded by our own egocentric selves.
Do we know?

What a world we are living in?
What situation it exposes us to?
Who is at fault with whom?
Contrary, the toss of the coin is unequal for others.
The sight of my neighbours puts me in bitter tears;
I am surrounded by people who wake up with no dreams;
They have no yesterday, today and tomorrow;
Fellow human being enslaving fellow human being.

Our surroundings all decorated by skulls;
Happiness at one end, sadness at the other end;
Fortune at one end, misfortune at the other end;
Peace at one end, war at the other end;
Love at one end, hatred at the other end;
Richness at one end, poverty at the other end;
Blessing at one end, curse at the other end;
All evils everywhere but the world is dumb.

The agony continues and the world dictates;
The wants, like rockets fly every day;
All want to live their life in carpe diem;
What has the street dweller to do with anyone?
Hardly did I know the ultimate truth;
Till I encounter my small friends on street;
More than a penny to them, humility captivated my soul;
With loaded weapons, I face the world's Ego cancer.

Abraham Kuol Chol (AU150174)
III B.Com (Shift-I)

Incredibly Pretentious

Every human being has some inborn tendency, some character or attitude which they do not show to the world. The character that they expose to the world may not be real at all. In fact some people may be deceitful, dogmatic, loud-mouthed, manipulative, quick tempered etc. But sometimes the people with these negative attitudes will pretend as open minded philosophers. But originally these people are hypocrites. It is essential to be cautious with these kinds of people. The original terrific nature of these people will be showcased to the world only when they are agitated. At that moment people will find all the graceful presumptions that they've made on these so called philosophers disappearing in a puff of smoke. **The beast inside them is not dead but sleeping.**

There are also another category of people who have the tendency to react directly over other people. Unfortunately dealing or reacting directly also will not work sometime. Because once

people spit out words or emotionally throw hurtful comments, it is damn impossible to take it back. That may carve a “Nasty scar”.

The real nature of people will come to light one day because of various factors. Psychological reasons could be one among them. Some people pretend because they may be afraid to be themselves. Their identities have been buried deep inside. Those people might have faced serious failure or betrayal or they might have happened to face insults or some ill-treatments or social outcast etc. These serious emotional disturbances may cast a dreadful shadow on their personalities.

So behind every action of every people there may be some obscure reasons. One should not get carried away by flattery. One should understand that if a person flatters or praises often even on one’s casual activity, there may be some wicked intention behind that flattery. As flattery is a promising bait, one should not immediately get lured away by it. Likewise if a person chides or scorns, one should also get the point that there is also some undefined notion behind that act. This is what is called as “Incredibly Pretentious”.

It is natural for people to jump to the beneficial side. After all it is the mere act of survival. No one can always maintain their attitude in a stable position. Once the emotional turmoil takes over, the life value ceases. Because, “**Man is a social machine run by the scoundrels of emotions**”- Raheel Faruq

R.Arthi (BP161128)
II M.A., English

The Poem

Good greetings, for the readiness
Of pleased patience, also hoping
For verse of verses, best versmaking
To produce, the best productivity
Under the assistance of Almighty,
The manufacturer of all the mighty.
Crediting his creditworthy creature,
Superior creature of all creations.
Being pledged with potency
To create uncreated, but needed.
With previously created; also needed,
Needed to the core, for mechanisation
Of all mighty creations.
Contrarily thought,
The core needed weighty, are so called needed.
The thought provoked badly, from goodly and godly
Made out of superstitiousness. Superior thoughts,
Thought and still thinks itself superiorly
Superiority possessed. Actual womb,
Giving birth is mixed, undefined, unclarified
Mentality, that's fueling the livelihood,
Evoking unseen motives.
Evolved psychic characters
By high revolutions, revolved production suffered
By slow evolutions are net result.
Good has gone badly good, bad has gone goodly bad.

Blood of this creature, running behind the valued paper,
Paper valued, but not values.
Striving hearts to achieve, working hands to clear up debts aside
Irrelevant individuals eager in inheriting, not working
Rather, from others work.
Though ventured during middle ages, of whole lifetime
Not before, so as not disturbing the early life.
The life, that's not bounded. Of boundaries,
Bounded by feelings, emotions and of its kinds.
Those kinds erupting in teens, mixing up with chaos
And building up the bridge, for the next stage.
Warm blood of this creature, with determination
Determined to achieve the predetermined.
Insistently aspired, to explicit the self.
Aspiration, arising by admiration of admitting atmosphere
With often cleverness and gentleness, and distractions.
Distracting and disturbing, by another admiration
But contrary to the previous. Also, feeling loneliness
Though with peer, and numbness while lonely.
Much learned, much prepared but not much took up.
All running, the age of running.
Running a great marathon with no end
But, the running laps make the decision.
Decision determining the deserved of the future positions.
The future, for which the current day works for
The current day, which the past day works by
The past day, which fuelling with experiences,
Ambition fixing, determination making,
Desire peeping in, influence affecting,
Interests growing, sacrifices wanting,
Everything is known but, not implemented
Such tremendous is this stage, in all the stage.
Feelings, hurts, jealous all in motion
Oneness, uniqueness are in friction.
Somehow growing, some making something progressive
Some constructing, themselves destructive.
Once giving birth to resembling creature, gives up
All the made, to the new born. Such a bond growing
Then focusing on relationships, the ship that sails by us
Not forever sailing, though sailing with bondages.
Then the end of everything comes, those oldest feelings
Not travelling with, currently and even no desires.
The late oneness feeling arouses, which is actually late
Then knows, the value of time and value of values
Which should have been valued, when time valued the creature.
Such everything ends. But, not the created,
Produced and helped stuffs.
Which are the only mighty praising the past individual.
The might may come, which might make sense
Of demise in the departure of the creature

Which is quite difficult in today's world.
The Almighty, the mighty blesses his creatures accordingly
The thoughts, the memories alone stay long...

H.Sathish Kumar (BU151110)
III B.A., English (Shift-II)

Love...

Nowadays, youngsters trying to do that?
Nowadays, people thinking towards that?
Nowadays, scholars analyse about that?
But, educational institutions are prohibiting that?
That's love, common feeling of every one,
It's unstoppable; if it's stoppable it's not love,
Lovers should have fight, only fighting
Sequence shouldn't be their love,
FRIENDSHIP never changing to love, But
For loving we are being friends,
Everyone in love, with someone else,
Priests love God the most,
Children love their moms the best, Even
The plant loves the soil without rest,
The extreme love leads, everyone to succeed,
Teenage is not the age, to think about marriage,
If we think, our life would be savage,
So, friends love everyone and not for marriage,
Love is not an idiotic or a shameful word,
It gets that name, by some irritating mad...

C.Tamilzharasan (BU151116)
III B.A., English (Shift-II)

Health Benefits of Herbal Juices

Naval bull

Goodness of (naval) jamun's wellness for diabetics is proven. Wonder drink with the only ingredient jamun ensures the wellbeing of diabetics. Jamun protects from stomach ulcers and prevents excess secretion i.e. stomach acid. Naval is a protective fluid for liver and stomach and fights cancer. Naval corrects excessive urination in diabetics. Jamun seed has gastro protective properties mainly through promotion of mucous which has defensive factors and antioxidants.

Amla haritalli

An equal and perfect mix of Amla haritalli makes it unique and rejuvenating and reliving. It disturbs and maintains the optimum functioning ability of the body. This uniquely cleanses and detoxifies at the deepest organic levels without depleting the body in reverse. It is a natural detoxifying agent that cleans blood, liver and colon, helps digestion and corrects metabolism in body. And by managing the worst common metabolic disorder of diabetes Amla haritalli enhances the efficient functioning of circulatory system and normalizes lipid metabolism.

Aloe vera

Aloe vera is an excellent immune modulator. Aloe vera is the natural colon cleanser which detoxifies the body. Aloe vera works on surface and membrane thus healing ulcers at mouth, stomach and genetics. Boon for female reproductive system, menstrual disorder, leucorrhea it reduces excess body heat. Aloe vera stimulates liver, improves digestion and controls diabetics. It prevents dehydration and ensures firm skin.

S.Murugan (BU150946)
III B.Sc., Biochemistry

Enhancing Classroom Discourses with Novel Approach

Understudies regularly don't know about how they take an interest in classroom talks. They may not understand that they are not sharing "space" when they intrude on, talk excessively, talk pretty much nothing, overlook, bring down accomplishing associates or neglect to question or test a higher-accomplishing peer.

Another investigation in *The Elementary School Journal* proposes a novel approach to bring issues to light: Take video of classroom or little gathering dialogues and offer that video with understudies. Analysts say when understudies see themselves on video it builds attention to singular conduct as well as of standards for abnormal state talk.

"Arithmetic talk, especially the act of understudies thinking out loud or clarifying their reasoning, is regularly another experience for understudies who enter student focused classrooms that accentuate correspondence of numerical considering," the specialists compose. "Socialization into this kind of learning condition frequently sets aside impressive time for a few understudies as they change in accordance with overhauled classroom standards."

The scientists take note of that "However video playback is not ordinary practice and requires the eagerness of instructors to utilize such a technique. The nature of interest can't 'enhanced without generous reflection with respect to the two educators and their understudies."

Little gathering talks are more dangerous than entire class dialogues since educators are not available to ensure that everybody gets an opportunity to talk. One of the critical parts math educators play when they encourage talks or talk in their classrooms is to make "space" for low-accomplishing understudies to take an interest in the exchange, as indicated by the investigation.

Specialists examined communications among low-accomplishing and high-accomplishing understudies in a sixth grade math class by investigating video of 9 entire class instructional undertaking discourses and 2 little gathering dialogues among 4 young ladies, 2 low-accomplishing understudies (Heidi and Rachel) and 2 high-accomplishing understudies (Patty and Marie). These 4 understudies were met promptly after talks on 2 instructional errands and 1 after 3 days after they saw a video clasp of the little gathering discourses.

Specialists mentioned the accompanying objective facts about "space-production" and "importance making" practices amid little gathering dialogues:

- To assert or postpone space in talk understudies utilized an assortment of practices, for example, verbally processing, looking for illumination, proclaiming thoughts and intruding on each other.

- Patty and Marie, the high-performing young ladies, had a tendency to talk about math assignments with each other as opposed to with Heidi and Rachel, the 2 low-performing young ladies. At the point when Heidi imparted her reasoning to the gathering, Marie and Patty in some cases bantered secretly. Asked by the questioner for what valid reason she supported interfacing with Patty as opposed to Heidi and Rachel, Marie stated, "Once in a while they don't get what we're considering."
- While the high-performing young ladies may have better comprehended the math assignments, their clarifications were frequently dubious and confounding. Heidi and Rachel whined that Marie and Patty utilized pronouns which made their remarks hard to take after. Numerous educator connections with Marie and Patty included revoicing their ambiguous clarifications of the errands.
- Heidi and Rachel frequently approached their higher-accomplishing peers for elucidation, while Marie and Patty were never requested illuminations from Heidi. Rachel's connections with the gathering were portrayed by over the top help-chasing. She felt that her investment to a great extent relied upon whether the other understudies' commitments were clear and simple to take after.
- Pacing was another issue in the collaborations. Heidi discovered it almost difficult to check or assess Patty and Marie's cases since her reasoning lingered behind theirs, constraining her capacity to make commitments to the exchange. She would beg them to "hold tight" yet they would push forward picking answers with agreement.

Patty told the questioner that on the off chance that she didn't associate with, or help Heidi or Rachel, it was on the grounds that she thought that it was disappointing and unproductive if not counterproductive. When she disclosed her reasoning to others. She said that she ended up noticeably befuddled. "So I simply like going without anyone else track as opposed to disclosing things to individuals in light of the fact that once I, I have this thing where on the off chance that I disclose it to somebody where I know it truly well, now and again it drops out of my head and after that I don't comprehend it any longer."

"This present examination's discoveries question the assumption that higher-performing understudies frequently give more point by point and less demanding to-comprehend clarifications of their scientific deduction than their lower-performing peers," the analysts compose. "These discoveries challenge the presumption that in light of good dialect utilize, kids may think that it's less demanding to comprehend the clarifications of their companions than the clarifications given by their instructor."

The understudies were all more expectation on discovering answers and moving to the following issue than on disclosing their reasoning to their companions. Both low-and high-performing understudies tended to support abridged, decontextualized and computational clarifications and they went for uncovering answers instead of deduction forms. One understudy recognized that "knowing it in your mind" and "clarifying it in words" are in a general sense diverse capacities.

The specialists influence the accompanying proposals to instructors to guarantee that both high achievers and low achievers to have chances to take an interest in math exchanges:

- Find approaches to urge understudies to ponder how they are partaking (or not taking an interest) in math exchange and how they are collaborating with their associates.
- How you assemble understudies of various capacity levels is a confused issue. One approach to help bring down performing understudies. Is to explicitly dole out

assignments or parts that they can perform well to raise other understudies' desires of them.

T.Sivakumar (BP160235)
II M.Sc., Mathematics (Shift-II)

Formation and Evolution

The solar was formed 4.568 billion years ago from the gravitational collapse of a region within a large molecular cloud. This initial cloud was likely several light years across and probably birthed several stars.

As the contracting nebula rotated it became increasingly better than the surrounding disc with a diameter of roughly 200 AU.

Physics Jokes

1. **Q:** What did Donald duck say in his graduate physics class?

A: Quark, Quark, Quark..!!

2. **Q:** What is the name of first electricity detective?

A: Sherlock ohms

3. A little boy refused to run anymore. When his mother asked him why, he replied, "I heard that the faster you go, the shorter you become."

4. A student travelling in a train looks up and sees Einstein sitting next to him. Excited he asks,

"Excuse me, professor. Does Boston stop at this train?!"

The ice that formed these planets were more plentiful than the metals and duplicates that formed the terrestrial inner planets, allowing them to grow massive enough to capture large atmosphere of hydrogen and helium, the lightest and most abundant elements.

D.Siva Priya (BP160301)
II M.Sc., Physics

"An angel in the garden"

Passing clouds may pass – sky,
Firing flame may dance –fire,
Breezing wind may blow – air,
Flowing river may flow – water,
Sanded stones may land – land,
But, why I stand around you????

You made some blossoming fragrance!!

That feels there my absence!

You made some boundless joy!!

That feels like rejoice!

You made me smile!!

But you are speechless!

You are so colourful!!

That made me so beautiful!

This is why I stand in a den

It's not a lion's roaring den!
It's a charming flower's garden!!!!

E.Sivaramakrishnan (BP160316)
II M.Sc., Physics

Acai Berry **(Some Amazing Facts of Acai Berry)**

The South American Acai Palm (*Euterpe Oleracea*) known as the tree of life in Brazil – provides a small berry which is growing in fame, particularly following recent studies by well-known herbalists and naturopaths that have categorized it as a “Superfood”. Acai berries are extremely rich in antioxidants, vitamins and minerals. The Acai Berry is also famous for its capacity to support dieting, protect the skin, reduce the risk of cardiovascular disease and prevent the development of certain types of cancer. But how accurate are these claims?

Medicinal Properties

Anti – disease, Anti – cancer, Anti – viral

- Helps to prevent tumour and cancer, rich in antioxidants
- Anti - ageing (Synergy with Goji Berries)
- Helps to prevent cancerous cells (Synergy with Turmeric)
- Restores energy and Vitality (Synergy with Ginseng and Guarana)
- Tones the body
- Stimulates the immune system
- Strengthens libido (Synergy with Maca and Ginseng)

Weight loss – Diet – Digestion

- Promotes weight loss (Synergy with Spirulina)
- Natural appetite suppressant (Synergy with Guarana)
- Treats various digestive problems (Traditional usage)
- Used to treat diarrhea
- Constipation
- Cleans the colon
- Regulates Cholesterol (Synergy with Goji berry and Turmeric)
- Combats diabetes (Synergy with Ginseng)

Heart – Blood Pressure – Blood Circulation

- Protects from cardio vascular disease
- Beneficial action on the heart
- Combats high blood pressure (Synergy with Garlic)
- Reduces heart palpitations
- Improves blood circulation
- Promotes restorative sleep (Synergy with Ashwagandha)

Skin – Eyes – Hair

- Effective action against skin ageing (Synergy with Goji berry)
- Protection from skin disease
- Treats Eczema, Psoriasis, Dry skin (Synergy with Turmeric and Aloe vera)
- Protective action for eyes (Synergy with Goji berry)
- Reduces Visual Fatigue
- Fortifies nails and hair
- Restores sheen to hair, skin and nails

- Helps in healing wounds, cuts and injuries

S.Krithika (BU160946)
II B.Sc., Biochemistry

The Sculptor's Sculpture

What a wonderful sculpture it is!
All said, what a splendid creation it is!
All acclaimed, and I felt very blessed
And I felt very gifted.

There was a queue to admire my beauty
There was a rush to own my beauty.
At last, I got owned for a large sum
Where no beauty is so far owned some.

I was given a prominent place to be
Where many came and adored me
It is me the sculpture who speaks
And awaits to thank the one who makes.

He is my creator, I am his handmaid
All credit goes to Him that never fades
I want to thank Him, I want to praise Him
For He made me, for He moulded me.

“No! No! No! Never alone me!”
Said my sculptor, “Never alone me!
You stood firm, you stood strong
While each hit hammered through.

You did cooperate, I did separate
The unwanted beings of your body.
You bore all pain, you score all gain,
Not me alone and never me alone”.

R.Robert (BP161126)
II MA English

The Arrogant King and the Poor Family

The birth place of transformation in character could be from any of the simplest situations.

There was a king who had a large palace, fields, money, jewels and all kinds of wealth. But, he was arrogant and always wanted to be praised. He never supported or offered his helping hand to others. One day, there was a poor man who travelled into the forest with his family. Suddenly, it started to rain heavily. He along with his family ran under a tree for survival. He waited till the rain stopped and resumed his journey towards the king's palace. When he reached the main gate of the palace, he hoped that he would be helped by the king and felt that his good times would start. But, something happened very contrarily. He was not allowed to enter the palace and the gates men stopped him. He pleaded them but they did not turn up. After a great argumentation, he was allowed. The family bowed their heads before the king and said: “My Lord, I owned large fields and I cultivated rice, paddy, wheat and others. But,

everything has spoiled and got uprooted in the recent tornado. My family is now struggling for a single meal. So, we came here...”, “Stop that nonsense” replied king. “It’s your problem of not saving your finance for future assistance. Nobody can build a compound wall for natural disasters and prevent them from attacking. How can I help you in this case?” The poor man pleaded the king again and again. He also offered himself to work in the palace. But, the king opposed his proposal strongly. His giant looking eyes turned red. He ordered his soldiers to punish him brutally and send him away. The poor man walked back home crossing the heavy woods and deep rivers.

Similar problems were faced by another old woman, who lived with her grandson for many months. Once, the grandmother felt very ill and they had no money for the treatment, the grandson ran to the king asking his help. But, the arrogant king refused to help this kid and threw him out of his palace. That night, he dreamt something unusual. A beautiful angel appeared and asked him to help poor people and instructed the importance of being kind. The angel also cautioned him that the doors of paradise would close if he dies without helping others. He woke up and breathed deeply. He shouted for his servants and one of them came and explained his dream. The servant counselled him positively. The king realized the mysterious dream and ordered to bring those two families to his court. The next day, everyone gathered there. The king offered enough money to the families. The poor man thanked the king and turned back. To everyone’s surprise, he saw the old lady with tears on her face. He dropped down the money given by the king. This attracted everyone’s attention in the court. The old lady also started to shed tears and the poor man cried, “Mother, O my mother...” They hugged each other and the old lady cried, “The bloody tornado has separated us and our family is now rejoined by the king.” They praised the king. All the four, the poor man, his wife, his mother and his son all rejoiced. The poor king, with tears looked up the idol of Mother Mary placed high right from his seat and slowly turned his face to the portrait of his mother, that hung over the wall with a flower garland.

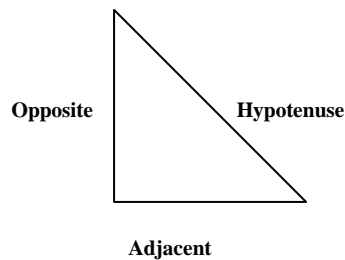
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Bothainayanar’s Poem Equivalent to Pythagoras Theorem

Pythagoras Theorem

The sum of the squares of the two sides is equal to the square of the other side.

$$\text{Hyp}^2 = \text{Adj}^2 + \text{Opp}^2$$



Bothainayanar’s Poem

“Oodum neelam thanai orae ettuk
kuru aakki koorilae ondraith
thalli kundraththil paathiyaaych cherthaal
varuvathu karnam thaanae”

ஓடும் நீளம் தனை ஓரே எட்டுக்
கூறு ஆக்கி கூறிலே ஒன்றைக்
தள்ளி குன்றத்தில் பாதியாய்ச் சேர்த்தால்
வருவது கர்ணம் தானே.

Meaning of the Poem

Divide the distance that you have run (longer side) into eight equal parts and discard one part from it and if you add the half of the height to that you will get hypotenuse.

Examples

1. Longest length = 4, smallest length = 3
Bothainayanar method

Step I

Divide the longer side into 8 equal parts

$$\frac{4}{8} = 0.5$$

Step II

Discard one part from it

$$4 - 0.5 = 3.5$$

Step III

Add the half of the height to that

$$\text{Half of the height} \quad \frac{3}{2} = 1.5$$

Now

$$3.5 + 1.5 = 5$$

That is

$$\left(4 - \frac{4}{8}\right) + \frac{3}{2} = 5$$

Pythagoras method:

$$Hyp = \sqrt{4^2 + 3^2} = \sqrt{25} = 5$$

2. Longest length =12, Smallest length = 6

Bothainayanar method:

$$\left(12 - \frac{12}{8}\right) + \frac{6}{2} = (12 - 1.5) + 3 = 13.5$$

Pythagoras method:

$$\sqrt{12^2 + 6^2} = \sqrt{180} = 13.41640786$$

3. Longest length = 15, Smallest length = 12

Bothainayanar method:

$$\left(15 - \frac{15}{8}\right) + \frac{12}{2} = (15 - 1.875) + 6 = 19.125$$

Pythagoras method:

$$\sqrt{15^2 + 12^2} = \sqrt{369} = 19.20937271$$

Differences between Bothainayanar and Pythagoras method

Bothainayanar Method	Pythagoras Method
We need not take square root.	We need to take square root.
This method is possible only if we take the longest distance into 8 equal parts and half of the smallest distance. Otherwise, it won't give the correct answer.	In this method, we can take square of the distances in any order and then take square root.

The integer value is same in both methods but the decimal value of Bothainayanar method is not as same as Pythagoras method.

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Has Shakespeare's Dark Lady finally been revealed?

A historian claims to have discovered the identity of Shakespeare's Dark Lady, who inspired some of his most famous sonnets. The seductive Dark Lady who inspired some of **Shakespeare's** most famous and explicit sonnets has remained a mystery for centuries. Now, one expert has claimed to have finally identified the elusive woman, revealing her to be the wanton wife of an Italian translator. The hitherto secret identity of Shakespeare's mistress has troubled literary historians, who believed that she inspired sonnets 127 to 154 and some of his most memorable lines.

Dr. Aubrey Burl, a fellow of the Society of Antiquaries, now believes that she can be revealed as Aline Florio, the wife of an Italian translator, who “loved her own gratification”, “hurt and harmed poets and earls”, and indulged in “temptation and callously self-satisfied betrayal of her husband”. Dr. Burl, who spent years studying volumes of Shakespeare’s own work, biographies and previous papers, said he created a short-list of eight possible candidates for the role of the Dark Lady, including a landlady, a courtesan, beautiful young audience members, and a wig-maker’s wife.



He then narrowed it down to one primary candidate using clues found in the playwright’s own work, suggesting she was dark-haired, married, musical, had children, was faithless, enjoyed sex and was egotistically self-centered. The clues, he believes, point to Mrs Florio. “The Dark Lady was Florio’s wife, born Aline Daniel, who probably first met William Shakespeare at Titchfield [home to the Earl of Southampton],” he wrote. They met again in London at Florio’s home in Shoe Lane near the River Fleet.

“But to her Titchfield also meant the Earl of Southampton, temptation and her callously self-satisfied betrayal of her husband, her children, Henry Wriothesley and William Shakespeare. She lived for her own gratification. She hurt and harmed poets and earls. “Yet today, after so many centuries and after so many people have searched the records for her identity, to those seekers she has remained until now the mysterious woman of darkness.”

Shakespeare’s sonnets 127-154 have become known as the “Dark Lady” sonnets, where the poet speaks of a mysterious but beautiful mistress who has black hair and “raven black” eyes. “My mistress’ eyes are nothing like the sun/ Coral is far more red, than her lips red,” he wrote

in sonnet 130, concluding: “And yet by heaven I think my love as rare/ As any she belied with false compare.”

In sonnet 129, he discusses sexual urges before moving into lovesickness in 153, writes: “The bath for my help lies Where Cupid got new fire; my mistress’ eyes.” Earlier this year, Dr. Duncan Salkeld, a reader at the University of Chi Chester, claimed to have identified the Dark Lady as Lucy Morgan, a “fallen woman” also known as “Lucy Negro”.

Dr. Burl, writing in his book *Shakespeare’s Mistress*, acknowledges her as a “possibility”, but believes the limited known facts about her life do not correlate entirely. Little concrete information is known about Shakespeare’s personal relationships. He married Anne Hathaway in 1582, going on to have three children. In his will, he left her his “second-best bed”.

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My Life Lesson

The more you focus the better you will receive.

I have million more questions in me.

Why do people compare my life with others?

Don’t they know that they should not compare?

The sun and the moon because they will shine, When their time comes.....by looking at this

I expect that really I need a day between Sunday and Monday.

Even then Positive Notion and happiness are the most important ingredients like salt and sugar...in our daily Recipe of life.

Never ever frown because you never ever know what will happen a minute later.

In three words I can sum up everything

I’ve learned about my life is

IT GOES ON.....

I was born to express not to impress.

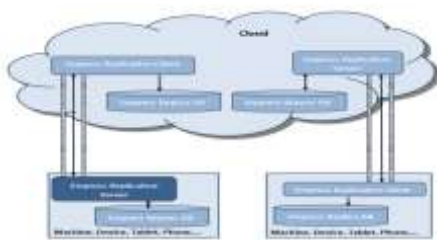
I can make a tribute to my God by saying thanks to my Preserver, Revealer, Creator and Concealer of all....

A.Anjana Nevedha (BP161134)
II MA English

Databases in to the Cloud

Migrating Legacy Databases to the Cloud

Some organizations with a growing amount of Big Data streaming into it on a second-by-second basis are compelled to upgrade to a new database in the cloud. Older organizations will have a relational database management system, which was once the ideal solution;



however, these warehouse-bound repositories cannot keep pace with the volumes of data being produced, which is why IT professionals are opting for open-source, cloud databases.

“What’s less clear is how can it take place from legacy RDBMS to modern NoSQL databases. Successfully migrating from a relational world to a NoSQL world requires careful planning.”

Most often, the migration process will entail working with new applications and equipment, perhaps even new service providers. Establishing good working relationships with these key

providers is essential to ensure a successful migration, whether the process is gradual or accomplished in one big push.

When the scope of the migration project is determined, the database administrator must evaluate the legacy data as it may not make the cut or be agile enough to survive a migration to an upgraded database or database in the cloud but its nature and context remain highly relevant and can influence everyday business activities.

Data migration is a process that can vary based on the technologies being used because the structure varies significantly. Moving a relational database into an open-source distributed database management system like Apache Cassandra is challenging. Because of the data structure, the migration process entails different procedures than moving to a NoSQL database such as Riak or MongoDB that have key-value stores.

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Swift programming **(Mobile Application Development Language)**

Almost Three years back, **Apple introduced Swift programming language** at its World Wide Developers Conference (WWDC) to the developers who built software applications for Apple devices.

Swift was designed to make it **easier for developers to create apps for Apple's mobile platform**. Usually developers write complete app code and then compile it to see output, but Swift helps them see results in real time instantly while writing code.

Now, reports have been emerged that the search engine giant is also considering making **Swift programming language** a "first class" language choice for programmers making apps for its Android platform.

In between an on-going legal battle with Oracle over Android, Google is planning to bring Swift into the Android platform with at least two major third-party developers — Facebook and Uber.

Swift.org

Swift is now an open source!



After Apple unveiled the Swift programming language, it quickly became one of the fastest growing languages in history. Swift makes it easy to write software that is incredibly fast and safe by design. Now that Swift is an open source, you can help, make the best general purpose programming language available everywhere.

For students, learning Swift has been a great introduction to modern programming concepts and best practices. And because it is now open, their Swift skills will be able to be applied to an even broader range of platforms, from mobile devices to the desktop to the cloud.

– The Swift Team

Swift is a general-purpose programming language built using a modern approach to safety, performance, and software design patterns.

The goal of the Swift project is to create the best available language for uses ranging from systems programming, to mobile and desktop apps, scaling up to cloud services. Most

importantly, Swift is designed to make writing and maintaining *correct* programs easier for the developer.

To achieve this goal, I believe that the most obvious way to write Swift code must also be:

➤ **Safe - Fast - Expressive**

Tools can make programming so much more powerful, like Swift-based playgrounds do in Xcode or a web-based REPL can when working with Linux server-side code.

Features

Swift include features that make code easier to read and write, while giving the developer the control needed in a true systems programming language. Swift supports inferred types to make code cleaner and less prone to mistakes, and modules eliminate headers and provide namespaces. Memory is managed automatically, and you don't even need to type semi-colons. Swift also borrows from other languages, for instance named parameters brought forward from Objective-C are expressed in a clean syntax that makes APIs in Swift easy to read and maintain.

The features of Swift are designed to work together to create a language that is powerful, yet fun to use. Some additional features of Swift include:

- Closures unified with function pointers.
- Tuples and multiple return values.
- Generics.
- Fast and concise iteration over a range or collection.
- Structs that support methods, extensions, and protocols.
- Functional programming patterns, e.g., map and filter.
- Powerful error handling built-in.
- Advanced control flow with do, guard, defer and repeat keywords.

Projects

The Swift language is managed as a collection of projects, each with its own repositories. The current list of projects include:

- The Swift compiler command line tool
- The standard library bundled as part of the language
- Core libraries that provide higher-level functionality
- The LLDB debugger which includes the Swift REPL
- The Swift package manager for distributing and building Swift source code
- Xcode playground support to enable playgrounds in Xcode.

Platform Support

One of the most exciting aspects of developing Swift in the open knows that it is now free to be ported across a wide range of platforms, devices, and use cases.

The Swift core libraries project aims to extend the cross-platform capabilities of Swift by providing portable implementations of fundamental Apple frameworks (such as Foundation) without dependencies on the Objective-C runtime. Although the core libraries are in an early stage of development, they will eventually provide improved source compatibility for Swift code across all platforms.

Apple Platforms

Open-source Swift can be used on the Mac to target all of the Apple platforms: iOS, macOS, watchOS, and tvOS. Moreover, binary builds of open-source Swift integrate with the Xcode

developer tools, including complete support for the Xcode build system, code completion in the editor, and integrated debugging, allowing anyone to experiment with the latest Swift developments in a familiar Cocoa and Cocoa Touch development environment.

Linux

Open-source Swift can be used on Linux to build Swift libraries and applications. The open-source binary builds provide the Swift compiler and standard library, Swift REPL and debugger (LLDB), and the core libraries, so one can jump right in to Swift development.

New Platforms

We can't wait to see the new places we can bring Swift-together. We truly believe that this language that we love can make software safer, faster, and easier to maintain. We'd love your help to bring Swift to even more computing platforms.

Latest Update (Releases)

Swift 4.0

Download	Date
Xcode 9.0*Toolchain Debugging Symbols	September 19, 2017
Ubuntu 16.10Signature	September 19, 2017
Ubuntu 16.04Signature	September 19, 2017
Ubuntu 14.04Signature	September 19, 2017

*Swift 4.0 is available as part of [Xcode 9.0](#).

Swift 3.1.1Swift 3.1Swift 3.0.2Swift 3.0.1Swift 3.0Swift 2.2.1Swift 2.2

Snapshots

Trunk Development (master)

Development Snapshots are prebuilt binaries that are automatically created from mainline development branches. These snapshots are not official releases. They have gone through automated unit testing, but they have not gone through the full testing that is performed for official releases.

Download	Date
Xcode Debugging Symbols	September 26, 2017
Ubuntu 16.10Signature	September 26, 2017
Ubuntu 16.04Signature	September 26, 2017
Ubuntu 14.04Signature	September 26, 2017

Older Snapshots

Swift 4.0 Development

Swift 4.0 Snapshots are prebuilt binaries that are automatically created from swift-4.0-branch. These snapshots are not official releases. They have gone through automated unit testing, but they have not gone through the full testing that is performed for official releases.

Download	Date
Xcode Debugging Symbols	September 26, 2017
Ubuntu 16.10Signature	September 26, 2017
Ubuntu 16.04Signature	September 26, 2017

Ubuntu 14.04Signature	September 26, 2017
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Swift 3.1 Development

Swift 3.1 Snapshots are prebuilt binaries that are automatically created from `swift-3.1-branch` branch. These snapshots are not official releases. They have gone through automated unit testing, but they have not gone through the full testing that is performed for official releases.

Download	Date
Xcode Debugging Symbols	June 13, 2017
Ubuntu 16.10Signature	June 13, 2017
Ubuntu 16.04Signature	June 13, 2017
Ubuntu 14.04Signature	June 13, 2017

License

The Swift license is based on the Apache 2.0 license with a Runtime Library Exception that removes the attribution requirement when using Swift to build and distribute your own binaries. The Apache 2.0 license was chosen because it allows broad use of Swift, and is already well-understood by many potential contributors.

Copyright is held by the authors of the contributions, or the company or organization to which the individual belongs. A list of copyright holders is maintained in the CONTRIBUTORS.txt file on Swift.org and at the root of the repository.

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Smart and Scalable: The Next Generation Data Lakes

Semantic Web

The **Semantic Web** is an extension of the Web through standards by the World Wide Web Consortium (W3C). The standards promote common data formats and exchange protocols on the Web, most fundamentally the Resource Description Framework (RDF).

According to the W3C, "The Semantic Web provides a common framework that allows data to be shared and reused across application, enterprise and community boundaries"

Smart and Scalable: The Next Generation Data Lakes

Data Lakes have come under some analysis in recent times, with complaints that businesses wind up storing anything and everything in them, but they did not realize the value they expected from all the data they've arranged up. The problem is that the inability to understand the data as companies pour disparate data from numerous sources into the 'average' Data Lake. For the betterment of understanding a graph can be used to denote relationship. The intention behind the graph is to use semantic web technologies.

The improved version of Smart Data to Graph tells that now users can load their Semantic Data into memory using multiple commodity virtual machines or physical machines on-premise or in AWS or other Cloud platforms. So, they can query data at really high volume



and performance levels. The traditional approach was to employ a single-server node where the memory and resources were constrained to whatever that machine afforded.

“Now the restriction is removed by letting multiple nodes to be added to load increasingly more data into memory,” with the help of graph query engine and it’s also possible to get structured and unstructured data.

“So increasingly users are able to discover new information because they have the ability to ask arbitrary questions from the entire corpus of available data.

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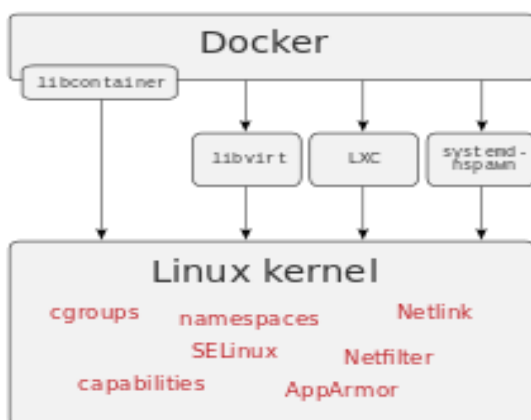
Docker (Application Virtualization)

Introduction

What is Docker?

Docker is a tool designed to make it easier to create, deploy, and run applications by using containers. Containers allow a developer to package up an application with all of the parts it needs, such as libraries and other dependencies, and ship it all out as one package. Docker is an open-source project that automates the deployment of Linux applications inside software containers.

Docker containers wrap up a piece of software in a complete file system that contains everything it needs to run: code, runtime, system tools, system libraries – anything you can install on a server. This guarantees that it will always run the same, regardless of the environment it is running in. Docker is a bit like a virtual machine. But unlike a virtual machine, rather than creating a whole virtual operating system, Docker allows applications to use the same Linux kernel as the system that they're running on and only requires applications be shipped with things not already running on the host computer. This gives a significant performance boost and reduces the size of the application.



Who is Docker?

Docker is a tool that is designed to benefit both developers and system administrators, making it a part of many DevOps (developers + operations) tool chains. For developers, it means that they can focus on writing code without worrying about the system that it will ultimately be running on. It also allows them to get ahead start by using one of thousands of programmes already designed to run in a Docker container as part of their application. For operations staff, Docker gives flexibility and potentially reduces the number of systems

needed because of its small footprint and lower overhead.

Containers are an old idea:

Containers, and specifically Linux containers (LXC), are not new. They are derived from the Linux kernel feature called control groups (originally cgroups), developed by Google engineers. LXC combines cgroups and supports isolated namespaces to provide an isolated environment for applications. It's a very low level, operating system-level feature for virtualization.

It offers an environment as close as possible to a virtual machine but without the overhead that comes with simulating all the hardware. Linux containers have been used by big companies, such as Oracle, HP, and IBM for years. Docker originally was based on LXC, but now it uses the libcontainer library as its own way of using Linux kernel virtualization features.

What is the difference between containers and virtual machines?

Virtual machines are heavy, need more isolation, and are more secure. On the other hand, containers are lightweight and fast but provide slightly less isolation.

Virtual machines emulate a whole machine, whereas containers share a lot of the host operating system resources.

You are able to run a few virtual machines at the same time, whereas hundreds of containers running concurrently won't be a problem at all. Containers are very light and fast.

Obviously, neither of the two is better. It really depends on what you are trying to achieve. If you need a full-fledged virtual "machine" that is capable of running many operating systems, like Windows, Solaris, and Linux, to name a few, or any recent operating system release, then choose virtual machine technologies. However, if you only need a software capable of isolated single processes or groups of them within the same operating system, then you might be interested in container technologies, especially in Docker.

Overview

Explanation

Docker can use different interfaces to access virtualization features of the Linux kernel. As actions are done to a Docker base image, union file system layers are created and documented, such that each layer fully describes how to recreate an action. This strategy enables Docker's lightweight images, as only layer updates need to be propagated (compared to full VMs, for example). Docker implements a high-level API to provide lightweight containers that run processes in isolation.

By using containers, resources can be isolated, services restricted, and processes provisioned to have an almost completely private view of the operating system with their own process ID space, file system structure, and network interfaces. Multiple containers share the same kernel, but each container can be constrained to use only a defined amount of resources such as CPU, memory and I/O.

Using Docker to create and manage containers may simplify the creation of highly distributed systems by allowing multiple applications, worker tasks and other processes to run autonomously on a single physical machine or across multiple virtual machines. This allows the deployment of nodes to be performed as the resources become available or when more nodes are needed, allowing a platform as a service (PaaS)-style of deployment and scaling for systems like Apache Cassandra, MongoDB or Riak. Docker also simplifies the creation and operation of task or workload queues and other distributed systems.

Releases

- The Cloud Foundry Diego project integrates Docker into the Cloud Foundry PaaS.
- Red Hat's OpenShift PaaS integrates Docker and related project (Kubernetes, Geard, Project Atomic and others) since v3 (June 2015).
- The Apprenda PaaS integrates Docker containers in version 6.0 of its product.

Advantages

Docker's commercial solutions provide an out of the box CaaS environment that gives IT Ops teams security and control over their environment, while enabling developers to build applications in a self-service way. With a clear separation of concerns and robust tooling, organizations are able to innovate faster, reduce costs and ensure security.

1. Agility
2. Control
3. Portability

Disadvantages

Compared with running native applications, assuming that you don't need any of the advantages of running them on containers, it has less performance, in cpu, disk IO (even using volumes) and network. Also requires more space (you need the base file system for the container), and adds a lot of complexity .Compared to VMs it is? less secure, containers have far more contact area with the running kernel, and so more chances to escape from it. Also they can only run apps for the base kernel, you can't run windows apps in a linux container.

Running containerized tightly coupled components may be difficult. A mail server running smtp, imap/pop, antivirus, antispam, and authenticated users can be done with containers, even using docker approach of trying to run one service for container, but that approach will have a lot of overhead. Containers run under the same kernel. There are a lot of system wide things that you can't do there (or is difficult, or could risk base or security even more), like loading modules, or setting firewall rules. Some disadvantages are more current limitations than forever ones. Eventually you may be able to save (memory) container state in one machine and migrate it "live" to another, like you can do in VMs or OpenVZ.

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