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Rector's Message

Dear Friends,

The College Annual 2019-2020 is in our hands. Praise the Lord for the wonders He has done to our Institution. This campus has been acknowledged by many as a holy ground because they have experienced the positive vibrations throughout the year. From day one the entire campus comes into life and till the last day the tempo is kept up. It is because of the meticulous planning by the people in responsibility. I should congratulate the Principal, Additional Principal, Vice Principals Administration, Administrator and Vice Principals Academicians, Deans, HODs, Staff Members and Students for their excellent cooperation and collaboration in making the year as a wonderful experience. We excel in every field whether in academics, sports, research, cultural activities, acquiring skills or extension activities.

The College Annual report is the testimony of the performance of management, staff and students. The prizes and incentives for staff for their teaching and research and for students for their research, innovation and academics are clear signs that the institution encourages staff and students who work hard and perform well. I would like to appreciate the principal and the IQAC team for formulating the policy for prizes and incentives.

The activities which are directed towards the welfare of the people around the College are praiseworthy. The different development projects including SHGs, the outreach programmes by the students and the sharing day conducted in the villages are considered as important events in the College to inculcate the altruistic mentality among the staff and students.

The different programmes of the hostels go a long way to inculcate among the inmates the campus values, leadership and spirituality.

Clean campus and the spirit of responsibility towards oneself, family and the neighbourhood show a new culture developing in the portals of this great Institution.

The unity of the management, staff, students and alumni goes a long way to build up the family spirit of this great institution.

A big thanks to everyone especially, the editorial team who has contributed towards this College Annual 2019-2020.

Rev. Dr. C. Antonyraj, SDB
Rector

Principal's Message

Dear Readers of this Annual Magazine,

Warm greetings!

As Sacred Heart College has completed yet another scholastic year filled with fruitful and colorful events, I am glad to mention here that we as Sacred Hearts are growing from strength to strength in fulfilling the mission that our founder and father St. John Bosco handed over to us.

Truly we engaged ourselves in activities and tasks that would empower our young students in becoming educated, equipped and well cultured honest citizens of our country. Holistic education is our approach and all the energy and efforts are directed to meet this end. This year we witnessed some significant events such as mass plantation of Palmyra trees as a new initiative to protect our mother nature and it was encouraging to see young people showing a lot of interest and volunteerism in such initiatives.

We also had the visit of our Rector Major Very Rev. Fr. Ángel Fernández Artime, the 10th Successor of Don Bosco which is a once in a life time event for an institution. The regional superior Rev. Fr. Maria Arokiam Kanaga also visited our campus on 21st and 22nd August 2019 and greatly appreciated our efforts in higher education and gave his suggestions for improving our standards in higher education. The autonomy extension committee from UGC, New Delhi will visit shortly. I am very happy to note that every stake holder of this institution by and large contributes to the growth of this institution and we stand tall in our achievements. Many faculty members, research scholars and students have won accolades in the form of funded projects, fellowships and awards and thus have made the flag of this great institution fly high. I whole heartedly congratulate each and everyone on their accomplishments.

Innovation is the buzz word of the day and our nation is strongly moving towards encouraging and nurturing student innovators. We at Sacred Heart College have taken a significant step in this direction and conducted a one day innovators' competition bearing the name "Sacred Heart Young Innovator Award (SHYIA - 2020)" and I am sure many such efforts will motivate our young students to contribute to the society and nation at large through their knowledge and skills.

May we synergize our efforts towards the building up of a strong and skilled nation through the education and values we impart to the young minds passing through the portals of Sacred Heart College. This annual magazine gives you the glimpses of such activities carried out in this campus in the past one year. I appreciate and congratulate all the contributors of this annual and in a very special way, I congratulate the entire editorial team on bringing out this edition on time.

May God Bless Sacred Hearts!

With prayers and wishes

Rev. Dr. D. Maria Antony Raj, SDB
Principal

Additional Principal's Message
Future Leaders are in the Making

The destiny of the world is being written in the classrooms. For good or for bad, this is the reality.

Despite several criticisms being leveled against the youth of today, as irresponsible, happy-go-lucky guys, etc., there is still hope. My experience in the last few years has been quite encouraging.

Several students-led initiatives have been realized in the College in the last couple of years. To list a few:

1. SHC-IVDP Scholarship Programme

The students' contributive scholarship programme, encouraged by IVDP, Krishnagiri, the President, Mr. Kulandai Francis, encouraged the students contributing their small savings to gather Rs. 1,60,000 in 2017, Rs. 1,65,000 in 2018 and Rs. 3,00,000 in 2019. With a matching grant from IVDP, Rs. 5000.00 each was distributed to 71 poor College students in 2017, 75 in 2018 and 120 in 2019. We can expect it to grow further in future. This programme has been solely organized by the student community.

2. YSR-Group Initiatives

A voluntary group of students about a 100 of them from the College formed a group under the banner of 'Youth for Social Responsibilities'. Their main adjective is to carryout activities towards social upliftment.

They have been contributing and raising funds to support education of poor school going children and college-going youth.

They had organized the first-ever Career Guidance Programme for the newly formed Tirupattur District for the students from Government run Higher Secondary Schools on 29.01.2020. With the solid support from the District Collector, College management and Hindu-Tamil Newspaper, the maiden venture was a huge success, with 2,800 students benefiting.

While working with these groups of students I observed a tremendous level of commitment, selfless service and hard work among them. I see future leaders with a clear social outlook, in the making.

I believe, this is the true education and the need of the hour. I am happy, it is happening at Sacred Heart!

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

Chief Editor Speaks

College Annual 2019-2020 has come out with varied articles, poems, reports of activities and testimonials of achievements. The abstracts of Doctoral Degrees vouch for the quality smart work put forth by the research scholars. The articles and poems by the students trumpet to world that there are many unassuming budding creators. The contributions in vernacular speak of the excellence of the contributors. While the Editorial Board acknowledges and appreciates all, it expects more such creative works from the staff and students.

The Editorial Board congratulates the Principal, Rev. Dr. D. Maria Antony Raj on having successfully blossomed in to Full Bright Scholar. He is the only one to have achieved this feat in Tamil Nadu. It has added a diadem to his crown besides fetching fame and name to the college. We also congratulate Dr. A. Xavier Susairaj, PG Head, Department of Economics who earned Full Bright Scholarship way back in 2006. He also presented a paper on ‘Economic Analysis of Willingness to Pay (WTP) for Improved Drinking Water in Rural Areas: A Case Study in Vellore District’ in the 15th Annual Conference of Asia - Pacific Economic Association, this year in Japan which is an honour and credit to our college.

Our college has not simply contented to impart knowledge to the students. Values of Don Bosco have been infused gently and diligently always. The most noteworthy service of our college is to replenish the ground water by dint of reviving the existence of Palm trees. To fulfil this loftiest goal the college has taken unstinted endeavour to plant the palm seeds on the banks of all the water sources in Tirupattur. The second year students who are part of different groups and movements have striven hard to achieve this ideal in addition to creating awareness among the people to venture into plant more seeds.

The Editorial Board may fail from its responsibility if it doesn’t recognize the zeal and willingness of the students to share their joy among the most needy. They reached out the aged, orphans, destitutes, nomads and the have nots to spread bliss and gifted them their valuable presence and time besides significant gifts during sharing day.

The Editorial Board with heavy and throbbing heart bids adieu to Rev. Dr. C. Antonyraj, the Rector and Secretary. This simple yet strong willed Salesian has been strolling away in Sacred Heart College for nearly three decades as Director of the Hostels, Vice Principal, Controller of Examinations, Principal and finally Rector and Secretary. Each and every building, plant, student and staff of the present and yesteryear know his powerful influence. He leaves the college of course leaving his indelible footmarks. Yet we derive a consolation from the fact the he is a Salesian and he will return to the college as there isn’t a real retirement for his religious service. The college is really blessed by the Almighty God to have him here.

As the Chief Editor I owe my deepest gratitude to the principal who has been after me as a hound of heaven but heartening me to expedite the printing work. My joy knows no bounds when I thank the fellow editors profusely for standing by me. The coordinators who have collected the contributions from various contributors, Rev. Dr. G. Theophil Anand, Dr. G. Mohan Gandhi and the technical staff Mr. G. Sounder and Mr. J. Antony Amalraj who looked in to the minute detail deserve not only gratefulness but also applause.

Wishing you all happiness and a new academic year with more new assignments to thrill and enthrall our lives.

Prof. N. Arul Doss
Chief 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



Sacred Heart College, Tirupattur - 635 601

69th College Day

Annual Report 2019 - 2020

Pleasant evening to one and all.

“The Lord shall open up his good treasure ... to bless all the work of thine hand” says the Holy Bible.

As Sacred Heart College has gone through another year of its striving to reach the pinnacle of success, I am herewith honoured to share with you the annual report of our college for the year 2019-2020.

Respected Rev. Fr. Rector, Distinguished Chief Guest of this day Mr. K. Ravi, B.Tech., Senior General Manager - PE, TVS Motor, Company Ltd, Hosur, 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 beloved students, a warm and hearty welcome to all of you.

I am deeply honoured to stand before you on this acclaimed occasion of the 69th College Day celebrations of our college. 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 the cornerstone 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 versatile direction, profound leadership, and significant support that have made Sacred Heart College, reach greater heights. He is steadfast in administration & academics, and is always willing to help us and guide us when we need him the most. I sincerely thank him for all that he is to us.

I also record my gratitude to Rev. Dr. K.A. 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 gratitude 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. I also express my gratitude to Dr. S.R. Xavier Rajarathinam, Vice Principal (Academics Shift-I) and Mrs. A. Josephine Sagaya Mala, Vice Principal (Academics Shift-II) for their unstinted services.

I place on record my gratitude to all the heads of the departments, deans, office bearers and staff for their noteworthy contribution during this academic year. My sincere appreciation to all our faculty members, non-teaching staff, support staff and our students for enabling us to reach greater heights every year.

Notable Initiatives

Your life changes the moment you make a new, congruent, and committed decision. *“It Doesn’t Matter Where You Came From. All That Matters Is Where You Are Going.”* At Sacred Heart College, we always embrace the new and are always directed towards new

learnings. I am now privileged to present to you the notable initiatives introduced during the academic year 2019-2020.

Sacred Heart Research Day

Research is to see, what everybody else has seen, and to think what nobody else has thought, for there is no research without action, and no action without research. Sacred Heart College added yet another feather to its colourful cap, in setting its mark among top notch colleges by recognizing its faculty for their eminence in research and teaching. Research day was celebrated for the second consecutive year on 13th December 2019. Dr. P. Kulandaivelu, the Vice Chancellor of Periyar University presided over the function and greatly appreciated the management, staff and students for their remarkable achievements in their respective fields of research. As done in the previous years the best performing departments and individuals were honoured for the research.

The best research award for faculty of arts was given to Dr. K. Parthibaraja, Department of Tamil. The best research award for faculty of science was given to Dr.G.Britto Antony Xavier, Department of Mathematics. The best research award to scholars was given to Rev. Fr. Sajan M. George, Mr. M. Meganathan, and Mr. A. Sivakumar. The best Department of research for arts was awarded to the Department of Tamil. The best Department of research for science was awarded to the Department of Mathematics. The best citation award was won by Dr. P. Saranraj of Department of Microbiology.

Institution of Excellence Awards for Teaching

In order to recognize and appreciate the teaching faculty who excel in teaching, a new order of awarding them with incentives commenced this year. Under this new initiative about 100 teachers were identified and incentives are added to their salaries every month totalling to more than Rs. 10 lakhs.

Don Bosco and Sacred Heart Research Fellowships

If we have no peace, it is because we have forgotten that we belong to each other. By sharing we stand prepared to build relationships and give wings to humanity. The Salesian System of Education also imparts such ideals. One such initiative is the establishment of the Don Bosco and the Sacred Heart Fellowship for Research.

This initiative encourages staff members to embark on novel research initiatives and projects. Meritorious research projects carried out by our faculty are endowed with the Don Bosco Research Fellowship and the best deserving meritorious PG and M. Phil student projects are awarded with the Sacred Heart Fellowships. In this academic year, Rs.3,11,400/- has been sanctioned through Don Bosco Fellowship to the faculty members for carrying out their research projects. 15 students were awarded Sacred Heart fellowships for their projects to the tune of 1,41,000/- Besides these Rs.3,54,000/- was disbursed as an incentive for publishing papers in reputed CARE/Scopus indexed journals.

Green Initiatives

He that plants trees loves others besides himself. Sacred Heart College as a novel and effective green practice has initiated and carried out the project of planting Palmyra trees in Tirupattur district. About 25,000 Palm seeds were planted in select lake banks through this drive. Planting 1 lakh Palm seeds is the target which the college envisages in the next four years.

Installation of Sacred Heart Young Innovator Award

In Sacred Heart this year we have introduced "Sacred Heart Young Innovator Award - SHYIA 2020" for young and aspiring innovators. This will be an annual event encouraging college students to innovate and discover. The event is scheduled on 28th February 2020. In this event, awards will be given to the best innovators for designing novel processes and products.

MOODLE Platform of Learning

An investment in knowledge pays the best interest. The only person who is educated is the one who has learned how to learn and change. The advent of Learning Management System such as MOODLE (Modular Object Oriented Dynamic Learning Environment) has changed the process of knowledge dissemination in our College. I am proud to state 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. Class tests, discussion forums, sharing of resources were done to aid students through technology enhanced learning. As an infrastructural addition to the institution, an additional dedicated server was installed for MOODLE learning.

Emphasis on Online Courses, SWAYAM etc.

A learning curve is essential to growth and at Sacred Heart College we do recognize this curve in the transformation of teaching and learning via the wide spread online courses such as SWAYAM and NPTEL. Students and Faculty are encouraged to take up online courses and due recognition, support along with credit is given to those who are willing to walk this extra mile. This year several students and 14 faculty members have successfully acquired their course certificates through NPTEL and SWAYAM programmes.

Staff and Student Achievements

Award of Fulbright Scholarship to Rev. Dr. D. Maria Antony Raj, SDB

Rev. Dr. D. Maria Antony Raj, SDB, Principal, has added yet another milestone to his profile, by becoming the only individual from Tamil Nadu to receive the prestigious Fulbright Scholarship which is one of the most esteemed scholar programmes in the world administered by the Council for International Exchange of Scholars (CIES). It promotes mutual understanding and supports friendly and peaceful relations between the people of the United States and the people of other countries. He was invited to visit US from 5th to 19th October 2019.

Rev. Dr. D. Maria Antony Raj, SDB, achieved this remarkable feat competing with eminent vice chancellors, directors, research academicians and professors from across the country. It is noteworthy to state that he is one among the 14 to be selected to be the recipient of this great award across India. In his trip to the United States of America, Rev. Dr. Maria Antony Raj, SDB, visited 17 top notch universities, to learn the ideals of effective administration and implementing the same in 'Sacred Heart College' whereby empowering, enlightening and turning it an enterprising institution. Hearty congratulations to him.

Rev. Dr. D. Maria Antony Raj, SDB and Rev. Dr. K.A. Maria Arokiaraj, SDB participated in the National Level DBHEI Principals Workshop organized by Don Bosco Higher Education India (DBHEI) Network held from 1st to 3rd August 2019 at Citadel, Kilpauk, Chennai.

Rev. Dr. K.A. Maria Arokiaraj, SDB the Additional Principal was invited to Don Bosco Vocational Training Centre, Sri Lanka for conducting training programme in English learning from 4th September to 17th November 2019.

Rev. Dr. D. Maria Antony Raj, SDB participated in a two-day National Conference on “Educating Youth for Social Transformation: New Paradigms and Inspiring Praxis” on 14th & 15th November 2019, Organized by Don Bosco Higher Education - Trichy in Association with Don Bosco Higher Education, New Delhi.

Rev. Dr. D. Maria Antony Raj, SDB the Principal was appointed and served as a member in NAAC Peer Team visit at Government College (Autonomous), Rajahmundry, Andhra Pradesh on 06th & 07th January 2020.

Staff Achievements

Desire is the starting point of all achievements, not a hope, not a wish, but a keen pulsating desire which transcends everything. I take this opportunity to congratulate our faculty who have dreamed it, believed it and achieved it.

- Dr. A. Xavier Susairaj, PG Head, Department of Economics, has presented a Research Paper Titled “Economic Analysis of Willingness to Pay (WTP) for Improved Drinking Water in Rural Areas: A Case Study in Vellore District” in the 15th Annual Asia Pacific Economic Association (APEA) conference held at Humanities and Social Sciences Center, Bunkei Building in Japan on 1st and 2nd August 2019. The paper was commended by the participants. The travel grant was sponsored by the University Grant Commission (UGC), New Delhi.
- Dr. I. Niyas Ahamed, Asst. Professor, Department of Biochemistry, successfully participated and presented his research findings in IISF 2019 at Biswa Bangla Convention Centre, Kolkata.
- We are extremely happy to know that Rev. Dr. Gandhi Kallarasan, SDB Assistant Professor, Department of Physics has been invited to present a paper on the research theme, “Semiconductor Lasers on Silicon Substrate,” at the SCON world congress on Optics, Photonics and Laser Technologies which will be held in Singapore on 17th & 18th February 2020. We wish him all the best for his presentation.
- Dr. G. Mohan Gandhi has received an award for his notable achievements in archaeological studies.
- Mr. G. Sivagnanam, Asst. Professor, Department of Communicative English, actively took part in a training programme at Don Bosco Vocational Training Centre, Sri Lanka for English learning from 4th September to 17th November 2019.

Student Achievements

The most splendid achievement of all is the constant striving to surpass yourself and to be worthy of your own approval. I heartily congratulate our students on the remarkable laurels they have won. The following students of our College have reached new heights by their notable achievements.

- Mr. N. Shamuddin of III BCA in our college has set a world record of “Creating Smallest Drawing of the Seven Wonders in the World of Size 0.5 MM Using 0.5 MM Lead Pencil” conducted by Universal Book of Records and Future Kalam’s Book of Records combined together.
- Mr. Bharath, Research Scholar, Department of Chemistry pursuing Ph.D. under the guidance of Dr.T.Jeyabalan has been selected for an international workshop conducted in South Korea for a period of six months from November 2019 to April 2020.

- Ms. Kiruthiga studying M.Phil English along with Mr. U. Kamesh, Mr. S. Sivakumar, Ms. Leena D’Souza and Rev. Fr. S. Rajendran, SDB students of M.A. English were involved in a training programme at Don Bosco Vocational Training Centre, Sri Lanka for English learning from 4th September to 17th November 2019.
- Mr. C. Manickavel of II B.Com has participated in a one day District Level YRC Student Elocution Contest held at DKM College for Women, Vellore, organized by Youth Red Cross, Vellore District on 28.08.2019 sponsored by Indian Red Cross Society, Tamil Nadu Branch, Chennai and has won the first place.
- Mr. M. Calvin Prakash Raj of III BSc Physics has received a district level prize in speech competition.

College Web Site & University

At Sacred Heart College we start by doing what's necessary; then do what's possible; and suddenly we end up doing the impossible. With the addition of a new hybrid server, the website of the college is being tuned to get new features and it is noteworthy to mention that our college has helped Thiruvalluvar University in updating its seniority list of staff members.

Sacred Heart Times, the E-News Letter

A reader lives a thousand lives before he dies. We at Sacred Heart College have enabled all our readers to know the remarkable feats of the college via the Sacred Heart Times – E-News Letter- a bimonthly update of the events happening in the campus.

Examination Reforms

As a significant move to enhance the quality in examination and evaluation system, question paper audits and scrutiny were introduced to ascertain the quality in the area of assessment. Examination manual has been prepared to put the policy in place.

Internal Quality Assurance Cell (IQAC)

The IQAC plays a significant role in ensuring the quality by decentralizing the roles and responsibilities, quality check mechanisms and participatory management in Administration. It also reviews the teaching-learning process at periodical intervals.

Significant Activities and Contributions made by the IQAC

- Annual Evaluation of the departments was conducted in March 2019 and the Mid Evaluation of the departments was conducted in November 2019.
- The academic year 2019 - 2020 year plan was assigned and various responsibilities were assigned to the members of the IQAC.
- A two day animation programme was finalised for the newly recruited faculty, junior faculty below 13 years of experience and a two day workshop on Leadership Training was also organized for the Heads of the Departments in the month of June 2019.
- The teaching plan of all the faculty is now made available in the college portal for the students to view.
- SHAPE, CQC, Groups and Movements are some of the novel activities being conducted regularly.

- IQAC has meticulously assessed the Faculty Evaluation by students at the end of the semester. The analysis of the feedback was communicated to each faculty by the Principal.
- A two day National Conference sponsored by NAAC entitled ‘Opportunities and Challenges in Revised Assessment and Accreditation Framework for HEIs’ was conducted on July 25th and 26th 2019.
- A training programme on “Outcome Based Education” was conducted on 31st August 2019.
- I am very proud to announce that our College has been selected as a mentor institution for 5 mentee institutions under the banner of the UGC scheme ‘PARAMARSH’ which strives to enhance the overall quality of the Mentee institutions by mentoring the Non-Accredited Higher Education Institutions in the accreditation process. In view of this, UGC has granted Rs.32, 00,000/- out of which the first instalment (Rs.16,00,000/-) has been received by the College.
- Best Practices of Students Admission Process were sent to NAAC on 10th October 2019.
- Best Practices on Staff Development Activities & Professional Development Activities were sent to NAAC on 14th November 2019.
- The counselling centre manual recording activities are turned into Web based application.
- The Chemistry and Biochemistry lab stock maintenance is now computerized.
- Examination Manual was prepared.
- The structure of PG and UG Curriculum is under revision.
- Teaching Learning and Evaluation Criterion Weightage are newly added as a parameter for research day based on Result Analysis, Students Feedback, Peer Feedback, Library hours and Remedial classes.
- Academic Performance Indicator for Faculty is streamlined.

Data Centre

To optimize the access, speed and better user support for MOODLE and ERP software, the college has procured and indigenously configured a dedicated DELL server (DELL Power Edge R740) with 64 GB RAM and 3.5 TB storage, complemented with BSNL and Rail Tel providers with 130 MBPS. This server is dedicated to facilitate MOODLE usage for staff and students.

Intellectual Property Rights (IPR) Cell

Intellectual property, more than ever, is a line drawn around information that retains some connection with its author that allows a person to have some control over how it is replicated and used.

A wise man will never allow a fool to rob him of ideas. In view of the same Sacred Heart College serves as a nodal centre for Intellectual Property Rights (IPR) in this region to facilitate filing patents and new acclaims of both faculty and students. A significant number of IPR domains such as geographical indication, instrument design are being explored for processing rights through TNSCST, Chennai.

A two day technical workshop was organized on “Intellectual Property Rights (IPR)” on 10th & 11th September 2019.

New HODs

Knowledge is very vital in life`s transformation and transition. 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 Dr. P. Saranraj, Dept. of Microbiology, Rev. Dr. S. John Borg, SDB PG. Dept. of Mathematics (Shift-II), Mr. A. John Martin, Dept. of BCA for accepting new portfolios as Heads of the Department and taking up the responsibility of leaderships to enable the smooth functioning of the departments.

Congratulations to you dear HODs.

I congratulate Mr.S.Gnanapragasam the Office Superintendent who has newly assumed this office.

New Teaching and Administrative Staff

Without continuous growth and progress, words such as improvement, achievement, and success have no meaning. As the drive for excellence permeates deeply in to the culture of our College I take this opportunity to sincerely thank the entire staff for their professionalism and commitment in building up the college. Here are the new staff who joined us this year and I wish them all a great success in their career.

Mr. D. Balamurugan, Mr. S. M. Cyril Christopher, Mr. J. Jintha, Dept. of Life Education, Mr. V. Saravanan, Dept. of English, Dr. M. Vincent Sahayaraj, Dr. S. Siva Gurunathan, Dept. of Economics, Dr. P. Kumar, Dept. of History, Rev. Dr. S. John Borg, Mr. N. Avinash, Dr. F. Silvyia, Dept. of Mathematics, Rev. Dr. Gandhi Kallaran, Dept. of Physics, Mr. G. Sivaelango, Dr. V. Gopalakrishnan Dept. of Biochemistry, Dr. R. Bright, Miss Neethu Asokan, Dept. of Microbiology, Mr. G. Lawrence Dept. of Management Studies, Mrs. K. Sowmya, Mrs. S. Kalaiarasi, Miss A. Anjana Nevedha, Miss E. Preethi Dept. of Communicative English, Mr. B. Antony Doss, Project Officer, Mrs. S. Sasireka, Secretary to IQAC Co-ordinator and administrative staff Mr. S. Franco.

New Doctorates

Hard work, persistence and diligence always pay off. Here are our staff members achieving a significant feat of completing their doctoral degrees in this academic year.

1. Dr. F. Julian Xercies Rigley - Dept. of English
2. Dr. P. Kumar - Dept. of History
3. Dr. J. Merlin Florence - Dept. of Computer Science
4. Rev. Dr. S. John Borg - Dept. of Mathematics
5. Ms. Neethu Asokan - Dept. of Microbiology

Hearty congratulations to all of them.

Farewell

It is great to have great people who have made footprints in the annals of our College with their sincerity, dedication and hard work. With much gratitude and due emotion, we bid adieu to our dear senior member of our Sacred Heart College

❖ Dr. S. Paul Raj, Head, Dept. of Social Work

On behalf of the management and staff, I wish him a very happy and healthy retired life. May God richly reward him for his services to this institution.

Publication of Articles in Books and Journals

Prospective and productive research efforts are identified with ability to produce top cited papers for scholarly understanding and wide dissemination of knowledge. Here are the articles that have been published in various journals and books by our faculty and students which are the witnesses for the research impetus the institution has got.

Scopus cited - 94 articles

UGC approved articles - 152

Articles in College journal - 14

Projects

This institution is very keen to create opportunities to the faculty members to develop themselves as professionals to disseminate knowledge and develop a reputation for excellence in their field. Our faculty members have successfully tapped funding from various resources for carrying out their research. I congratulate them on their efforts.

- ❖ Research Funding for Research Scholars (RFRS) Modelling with Fractional Difference Operators in Transforms - Mr.M.Meganathan, Ph.D. Research Scholar - 2019-20.
- ❖ Travel Grants to College Teachers amounting to Rs.1,27,621/- was awarded to Dr. A. Xavier Susairaj for a Paper presentation entitled 'Economic Analysis of Willingness to Pay (WTP) for Improved Drinking Water in Rural Areas: A Case Study in Vellore District' in the 15th Annual Conference of Asia - Pacific Economic Association, Japan.
- ❖ Dr. G. Mohan Gandhi has received Rs.75,000/- from Indian Council of Historical Research, Delhi for his project entitled "The History of Ancient Mathematics as Culled out from Tamil Epigraphs and Literature".
- ❖ Dr. I. Niyas Ahamed has received Rs.7,500/- under the student project scheme from Tamil Nadu State Council for Science and Technology (TNSCST).
- ❖ Dr. N. Vilvamani has received Rs.7,500/- under the student project scheme from Tamil Nadu State Council for Science and Technology (TNSCST).
- ❖ More than 30 projects are submitted and under scrutiny under various funding agencies under STRIDE and IMPRESS schemes whose results are awaited.

Deen Dayal Upadhyaya Grameen Kaushalya Yojana (DDU-GKY) Programme

I deem it an honour to announce to you that the Tamil Nadu Corporation for Development of Women Ltd. has granted Rs,3,17,01,193/- towards conducting programmes for imparting skill and training of rural youth for a span of three years in Krishnagiri, Tiruvannamalai, Dharmapuri and Vellore districts. We congratulate Rev. Fr. S. Henry Daniel Ambrose and Mr. Nicholas Prakash on their efforts and achievements.

Conferences & Seminars

Growth and excellence are never ending pursuit and adhering to these a number of conferences and workshops were organized by various departments during the academic year

I am happy to announce that the departments have organised 34 conferences and 14 workshops in total this year and I congratulate each and every department on their accomplishments.

Memorandum of Understanding

With a vision to have a strong global connect and having felt the need to strengthen the industry-institution interaction and collaboration, our college has signed MoUs with some leading universities and institutions in India and across the globe. Various departments have established MoUs with,

1. North East Institute of Social Science & Research, Dimapur, Nagaland. (NEISSR)
2. Don Bosco College, Itanagar, Arunachal Pradesh
3. Immaculate College for Women, Cuddalore, Tamil Nadu
4. Shanmuga Industries Arts and Science College, Tiruvannamalai, Tamil Nadu
5. Sun Arts and Science College, Tiruvannamalai, Tamil Nadu
6. Nanzan University, Nagoya, Japan
7. Foundation for CSR @ Redington, SPL Guindy House, 95 Mount Road, Guindy, Chennai - 600 032
8. Sri S.Ramasami Naidu Memorial College, Sattur, Tamil Nadu
9. Xcellogen Biotech India Pvt., Ltd. Sri Rash Tower, Nagercoil, Kanyakumari District.
10. Precision Group, Chennai.

Infrastructural Developments

Inauguration of Don Bosco Indoor Stadium by Fr. Rector Major

Realising the need for a modern, efficient and reliable infrastructure for sports and games, in Sacred Heart College, a fully furnished indoor stadium bearing the name of our founder St. John Bosco was inaugurated by his 10th Successor Rev. Fr. Angel Fernandez Artime, the Rector Major of Salesian community on 8th September 2019. The spacious stadium can host all major sports events with state of the art facilities installed in it.

Installation of Video Displays

The process and power of communication is imperative for planning and execution. As a significant addition to the College's infrastructure, colourful display panels flash important announcements, news and instructions to the staff and students.

Inauguration of Mother Margret Dining Hall

Our College hostels are second home to our students. To cater to the needs of the hostel students, a common dining facility has been created near Rinaldi hostel.

Installation of Security Equipment at DB Centre and CSB Bank

Providing security to our students and stake holders has been one of the top priorities in our College and in addition to the surveillance cameras that exist inside the campus, additional ones have been provided this year in Don Bosco centre and in the Bank located in the College campus.

Creation of Wi-Fi Hot Spots

Using internet and technology for education makes it more convenient and interesting and in order to provide more internet access to our students, this year, our College has made a maiden effort to create Wi-Fi hot spot zones that will enable the students to engage in online learning are taking on-line tests etc.

Renovation of Golden Jubilee Building

Growth never ceases and in our College we keep improving our facilities and give a face lift to them. This year the Golden Jubilee building was renovated and given a face lift to benefit the students who use them.

Students' Services

Mid-day Meals Scheme

The mid-day meals scheme offered in the College has rendered benefit to about 521 students by providing them meal at subsidised rate.

Counselling Centre

The college has a structured support and mentoring mechanism which is effectively rendered through the counselling centre of the College. I congratulate Miss Latha Munusamy, the College Counsellor and her team on successfully engaging about 450 students to counsel them in order to help them come out of their problem zones.

Placement Activities

To make our students industry ready and employable, a placement cell works tirelessly under the leadership of Rev. Fr. Selvaraj, SDB and thanks to the relentless efforts of this cell. About 146 PG students and 123 undergraduate students were successfully placed in various companies by our placement cell so far.

IGNOU

IGNOU study centre offers opportunity to pursue parallel degrees for students. About 526 students are successfully taking up their certificate, Diploma, Undergraduate, Postgraduate programmes from our IGNOU study centre and 66 faculty members are involved in conducting classes for them.

Significant Events

Fr. Regional Superior's Visit

Fr. Regional Superior, Rev. Dr. Maria Arokiam Kanaga, visited our College on 21st and 22nd of August 2019 and interacted with the faculty and students of different streams to elicit feedback and suggestions from them as the feedback from the stakeholders plays a prominent role in maintaining and improving the quality of education.

Fr. Rector Major's Visit

Rev. Fr. Ángel Fernández Artime, the 10th Successor of St. John Bosco, the Rector Major of the entire Salesian Congregation, made a historic visit to Sacred Heart College, Tirupattur, on the 8th and 9th of September 2019. It was a "once in a lifetime experience," for most of the Salesians of the Chennai Province, staff and student community. There was intense excitement exuding from a good number of young Salesians, for this was the first time they had seen and personally encountered the Rector Major. The Rector Major was led in

procession by the NCC cadets, to the Kamarajar Arangam of Sacred Heart College at 6.15 p.m., where he addressed all the Salesians, staff, students and the well-wishers of the college.

We felt elated and blessed by Fr. Rector Major's visit to this institution.

SHC – Institute Lemonnier Collaboration

A 6 week course is being offered by the Department of Computer Science, Sacred Heart College, to the students of Institute Lemonnier, Cean, France as an outcome of the MoU for student exchange programme. A team of 6 students undertook this course and successfully completed it this year.

The Department of Social Work has offered a course on community experience to 2 students of Institute Lemonnier, Cean, France.

Retreat for Teaching and Non-Teaching Staff

Primacy of God is the prime core value of our College. In order to draw near to our God, annual retreats are conducted every year for the teaching and non-teaching staff.

On 25th and 26th October 2019, the teaching staff of our College were spiritually animated by "Lead Like Jesus" team for their retreat. The non-teaching staff made their retreat in Dharmapuri on 25th and 26th of August 2019.

Sharing Day

Sharing day was organised on 16th December 2019, to encourage students to show their concern towards the society and to remind them of their social responsibility towards humanity. Students also contributed generously by way of clothes to be donated to the poor.

Outreach Programmes

The students were sensitized on their social responsibilities, environmental awareness and citizenship roles through participation in outreach programmes. The second year students from all the departments actively took part and benefitted from this programme.

Academic Council Meeting

The Academic Council Meeting of Sacred Heart College was held on 16th September 2019 & 2nd March 2020 at 11.00 a.m. in the DMT Hall.

All the departments twice had their Board of Studies meetings during the months of August 2019 and January 2020 and diligently reviewed and updated their syllabi.

Academic Audit

All departments have conducted the academic audits to assess the performance of their departments.

43rd Convocation Day

The 43rd convocation day was conducted on 09th March 2019. About 1335 graduates walked up to receive their diplomas dressed in their traditional convocation robes.

On this grand occasion, we were greatly honoured by the presence of **Dr. Kannan Ramakrishnan**, a retired IAS Officer, Former Additional Chief Secretary to the Govt. of Tamil Nadu, Member, Syndicate, Thiruvalluvar University, Vellore who gave away the diplomas to the young graduates.

Commemorating the 70th Anniversary of Constitution Day

The commemoration of 70th Anniversary of the Constitution of India was observed in Sacred Heart College (Autonomous), Tirupattur, Tirupattur District, Tamil Nadu on 26th November 2019, Tuesday at 11:00 a.m. in John Med Block and then at 12:30 p.m. in Kamarajar Arangam. This event is a mark of respect by the Institution in union with the commemorations initiated by the Government of India to glorify the existence of the constitution of India for the past 70 years. As an attempt to promote the importance of the day, a live streaming of the Parliamentary proceedings of the day was shown to AICTE Students in John Med block.

The Programme was inaugurated with an introduction given by Rev. Dr. D. Maria Antony Raj, SDB, Principal and Dr. D. Leslin, Head, Department of History delivered a talk on the salient features of the Indian constitution and elaborated on the stages encountered in the framing of the constitution.

Southern Zonal Meet of Christian Workers Movement

The Southern Zonal Meet of Christian Workers Movement - India was held on 7th December 2019 at Sacred Heart College, Tirupattur. Leaders from all the dioceses of the four Southern States attended this meeting.

Events by Maatru Nataka Iyakkam

Maatru Nataka Iyakkam, the alternative theatre movement of the College has successfully staged its performances in “Veethi Fest” held on 3rd August 2019 in Loyola College, Chennai and in Mumbai fest held in Mumbai on 14th January 2020.

The Alumni Meet

Alumni Reunion of PUC (1973 -74)

15th December, 2019 was a special day with lots of nostalgia as the PUC Batch of 1973-74 got reunited after 45 years of their stay in Sacred Heart College. Around 48 members of the batch turned up for the reunion

The Alumni Association Meet that was held on 26th January 2020, marked a high moment of rejoicing & reunion for about 300 alumni of the college who cherished the wonderful moments spent in the college.

Parent-Teacher Meetings

Parent-Teacher meetings were held on 29th June, 20th July and 17th August 2019 where teachers and parents came together to enrich the student’s educational experiences and discuss a variety of issues, regarding all round development of students. It is conducted every year to discuss the students’ progress at college and find solutions to their academic and behavioural problems.

- ❖ Vibrant display of patriotism marked the 69th Independence Day celebrations at Sacred Heart College. Dr. D. Leslin, the special invitee for the day, hoisted the National Flag and delivered an inspirational speech wherein he entreated the students to be responsible citizens
- ❖ The 76th year of the Feast of Sacred Heart was celebrated on 1st September, 2019 in Kamarajar Arangam with a solemn Holy Eucharist Celebration at 5.30 p.m. The Holy Mass was celebrated by His. Lordship Rt. Rev. Stephen Antonysamy DD the newly appointed Bishop of the Diocese of Thuthukoodi.

- ❖ Sacred Hearts acknowledged their teachers by celebrating Teachers' Day on 5th September 2019.
- ❖ Colourful celebration of Cultural Fest known as HEARTBEAT - 2019 was conducted on 29th & 30th November 2019.
- ❖ The festive bells at Sacred Heart chimed on Community Day combining it with the carnival of regional harvest namely Pongal on 11th January 2020. The event was vibrant with colourful celebration with delightful food and stunning cultural performances.
- ❖ Republic Day celebration and parade were conducted on 26th January 2020. Dr. S. Paul Raj, the retiring Head, Department of Social Work delivered the Republic Day address.
- ❖ The Feast of our Father and Founder St. John Bosco was celebrated on 31st January 2020 with all pomp and grandeur.

Staff Development Activities

Training Programme on "Outcome Based Education"

A training programme on "Outcome Based Education" was conducted for faculty members on 31st August 2019 at Pope Francis Hall, Sacred Heart College (Autonomous), Tirupattur. The resource person for the day was Dr. R. Manoharan, Professor and Head, Dept. of Computer Science Engineering, Pondicherry Engineering College, Pondicherry - 606 014.

Refresher Course

For an educational institution to be vibrant and effective in imparting quality education, it is essential that the teaching faculty keep developing and growing in competence and commitment. The following faculty members undertook various training and refresher programmes to keep them abreast with the academic arena.

Mr. A. Bento Devaraj, Director of Physical Education has been selected to attend the Refresher Course in Physical Education from 10.06.2019 to 22.06.2019 conducted by the UGC - Human Resource Development Centre, Himachal Pradesh University, Shimla - 171 005.

Dr. V. Balaji, Asst. Professor, Dept. of Mathematics has been selected to undergo the Refresher Course in UGC - Human Resource Development Centre, Himachal Pradesh University, Shimla - 171 005 from 22.07.2019 to 03.08.2019.

Dr. S. Hariharan, Asst. Professor, Dept. of Commerce was selected to undergo the Refresher Course in UGC - Human Resource Development Centre, Bharathidasan University, Tiruchirappalli 620 023 from 20.09.2019 to 03.10.2019.

Dr. K. Sivakumar, Assistant Professor of Economics was selected to attend Detailment of and for Inter Group Competition TSC at NTA Idayapatti, Madurai as Special On duty from 09.07.2019 to 18.07.2019 conducted by 12 Tamil Nadu Battalion NCC, Salem 636 016.

Rev. Fr. S. Henry Daniel Ambrose and Mr. Nicola Prakash attended a three day Faculty Development Programme on Entrepreneurship Development from 24th to 26th July 2019 at University College of Engineering, BIT Campus, Anna University, Trichy.

Training Programmes

The Management follows the tradition of conducting faculty orientation programme before the commencement of every academic year where eminent resource persons empower the

teachers with strategies to effectively deal with the dynamics and challenges of teaching profession. Apart from this the institution is bent on training our staff in various domains of academic excellence. Here are the ones who had undergone such training in this academic year.

Rev. Fr. Selvaraj Varaprasadham, SDB had attended a training programme on Fullness of Life Club held at Fountain Institute of Counselling and Psychotherapy, Sundampatti, Krishnagiri on 9th to 10th July 2019.

Mr. Nicola Prakash attended the celebration of International MSME Day 2019 on 27th June 2019 held at Chennai.

Dr. V. Collins Arun Prakash and Dr. S.A. Martin Britto Dhas have attended a two day state level workshop on “Intellectual Property Rights” held on 3rd and 4th August 2019 at Auxilium College, Katpadi, Vellore.

Dr. M. Jose, Asst. Professor, Dept. of Physics has participated in the National Workshop on “Research Integrity & Awareness” organized by University Grants Commission, South Eastern Regional Office, Hyderabad, on 5th August 2019 at University of Hyderabad, Gachibowli, Hyderabad.

Dr. A. Albert Irudayaraj and Mr. M. Aravinthraj participated in UGC sponsored workshop at Coimbatore held on 30th & 31st October 2019 for training of teacher for Students Induction Programme (SIP).

Dr. M. Antony Arockiasamy, NSS Coordinator attended Police Well-being Training programme held on 04th & 5th November 2019.

Dr. R. Jude Vimal Michael and Mr. B. Antony Doss attended a one-day training workshop on EAT module held at Loyola College Chennai on 9.03.2019.

Dr. M. Vincent Sahayaraj and Mr. C. Sathishkumar participated in ‘Faculty Development Programme for Young Faculty of Colleges and Universities from 10th to 14th January 2020 at St. Christopher’s College of Education (Autonomous), Chennai sponsored by United Board for Christian Higher Education in Asia.

Mr. S. John Sundar and Mrs. M. Rose attended advanced course for Rover Scout Leader Training, Tonekela Camping Centre, Avadi, Annaur from 30.07.2019 to 05.08.2019.

Student Development Activities

- ❖ All the Departments conduct remedial classes for students who perform below the expected level in the subject and help them to fully understand the subject and to cope with advanced concepts.
- ❖ Tutorial classes for the slow learners were given to motivate and help them realize their weakness and help them to improve on their fronts.
- ❖ Class quality circles continuously function to help the peers in effective learning and improvisation. A week long bridge course helped the first year students to bridge the gap between the school and college learning.
- ❖ The programme “Campus Vibes” was organized by National Jesus Youth Campus Ministry which was held from 01st to 07th June 2019 at Premanjali Counselling Centre, Nallasopara, Mumbai. It was a programme for Main Leaders of the Campus Ministry all over India. Representing Tamil Nadu from our College, Mr.S.Jarald Pushparaj (Asst. Coordinator, Tamil Nadu Camps Team) and Mr.Ruban (Coordinator, SHC Jesus Youth) participated in the camp.

- ❖ Know Thyself - An Orientation Programme for First Year UG students was organized by the department of Counselling Psychology and Counselling Centre on 25th, 26th & 27th June 2019.
- ❖ Annual retreat for students was organized from 5th to 7th July 2019 in order to illuminate God-consciousness among the youth.
- ❖ This year a special campaign was organized on National Career Service Registration at Sacred Heart College on 13.08.2019 for opening of POSB, IPPB and PMSBY accounts. I am happy to inform that 41 students had submitted applications for registration on National Career Service through our College.
- ❖ A two day training programme was conducted under the auspices of Rangers and Rovers at Don Bosco Camp Site (Yelagiri Hills, Tirupattur District) on 14th & 15th December 2019.

Women Empowerment Programmes

Women's Meet 2019 was organised for the Undergraduate Women Students on 7th September 2019 at Kamarajar Arangam. Rev. Dr. Sr. Arokia Jayaceeli, Superior of Mary Immaculate Convent was invited as the Chief Guest. The students were educated on the aspects such as women's safety, their role in society, my body- my rights etc. Ms. Nazia of M.Sc., Chemistry, one of our deserving Alumni of Sacred Heart College, a member of Royal Society of Chemistry and American Chemical Society shared her experiences on how to be bold and goal oriented in life.

Women students orientation programme was organized on 11th July, 2019 for the UG girl students of I year. Mrs. Thenmozhi, Principal Incharge of Goodwill Matriculation School, Tirupattur was invited as the Resource person for the programme. She spoke on the theme 'The Role of Women in Society and their Importance.

A career guidance programme was organised for school children on 30th January 2020 by Sacred Heart students.

An Awareness Programme for AICTE women students on Impact of Social Media on the Present Day Women was organized on 08th January 2020.

Scholarships

Sacred Heart College is surging forward to create a wide spread recognition for itself and this is not a distant dream at all with our recent success in helping our students to receive scholarships from various sources.

IVDP Scholarships

An Educational Scholarship distribution programme for Orphan and Semi Orphans continue to be functioning at Sacred Heart College, Tirupattur. This year, Rs. 6,00,000/- was distributed to 120 deserving students from various departments to enable the students to pursue their education. Sacred Heart College whole heartedly thank Mr. Kulandei Francis the Founder - President of IVDP, Krishnagiri for his generous gesture towards this venture.

Work Scholarship

Showing a strong commitment to serve the poor, the college is committed to provide a successful future through welfare scholarships under the name of work scholarship. This year about 118 students have received the work scholarship to the tune of Rs. 5,85,871/- which would greatly help them to pursue their education without much financial strain.

Government Scholarships

2569 students benefited due to Government Scholarships with an amount of Rs.2,02,00,580/- (2019-2020).

Universal Higher Education Trust Scholarship

118 students benefited with an amount of Rs.6,07,000/- in the academic year 2019-2020.

Student Strength

Students play a vital role in the success of any organization. Our committed and dedicated students are definitely the strength of our college.

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	69	08	59	11	45	16	173	35
Commerce	99	54	92	52	95	45	286	151
Mathematics	87	63	77	70	66	80	230	213
Physics	60	48	58	47	63	43	181	138
Chemistry	59	51	60	47	51	51	170	149
Computer Science	79	31	73	32	68	33	220	96
BBA	64	13	55	18	51	13	170	44
Biochemistry	30	25	23	28	16	30	69	83
B.A. English	70	70	63	67	58	72	191	209
BCA	44	11	40	10	37	11	121	32
B.Com (CA)	51	25	54	15	51	19	156	59
B.A. Tamil	37	40	34	38	27	27	98	105
Microbiology	32	22	27	27	18	29	77	78
Total	823	469	715	462	646	469	2184	1400

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

Departments	I Year		II Year		III Year		Total	
	M	F	M	F	M	F	M	F
M.A. Economics	11	4	5	3	-	-	16	7
M.Sc. Mathematics	11	49	23	64	-	-	34	113
MSW	20	20	26	17	-	-	46	37
M.Com.	04	05	07	12	-	-	11	17
M.Sc. Physics	14	15	11	18	-	-	25	33
M.Sc. Chemistry	11	18	18	11	-	-	29	29
M.Sc. Computer Science	10	16	12	14	-	-	22	30
M.Sc. Biochemistry	02	04	08	09	-	-	10	13
M.Sc. Counselling Psychology	06	13	09	07	-	-	15	20
M.A. Tamil	02	06	02	04	-	-	04	10
M.A. English	15	27	12	32	-	-	27	59
MCA	08	03	-	-	07	06	15	09
MCA Lateral Entry	-	-	27	34	25	21	52	55
MBA	32	28	32	28	-	-	64	56
PGDHRM	15	20	-	-	-	-	15	20
PGDIEM	14	06	-	-	-	-	14	06
PGDLM	13	03	-	-	-	-	13	03
PGDMLT	01	05	-	-	-	-	01	05
Total	189	242	192	253	32	27	413	522

M.Phil. Scholars

Department	M	F	Total
M. Phil Tamil	03	04	07
M. Phil English	02	05	07
M. Phil Economics	02	01	03
M. Phil Commerce	-	01	01
M. Phil Mathematics	03	10	13
M. Phil Physics	01	08	09
M. Phil Chemistry	-	02	02
M. Phil Computer Science	-	-	-
M. Phil Social Work	01	01	02
M. Phil Management	01	02	03
M. Phil Computer Applications	-	02	02
Total	13	36	49

Ph.D. Scholars

Department	M	F	Total
Ph.D. Tamil	4	13	17
Ph.D. English	-	2	2
Ph.D. Economics	5	-	5
Ph.D. Commerce	3	8	11
Ph.D. Mathematics	18	8	26
Ph.D. Physics	10	7	17
Ph.D. Chemistry	5	10	15
Ph.D. Computer Science	7	3	10
Ph.D. Biochemistry	5	6	11
Ph.D. Management	2	2	4
Ph.D. Social Work	3	2	5
Total	62	61	123

Total Students - 4691

Male Students - UG: 2184 PG: 413 M.Phil. : 13 Ph.D.: 62

Female Students - UG: 1400 PG: 522 M.Phil. : 36 Ph.D.: 61

Teaching Staff Strength

Total Staff Members - 198

Aided Staff - 46

Management Staff - 152

Administrative Staff Strength

Total Administrative Staff - 76

Aided Administrative Staff - 16

Management Administrative Staff - 60

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 2019 Semester Examination Results

S.No	UG Courses	Year	Sentup	Passed	%
1	B.Sc. Mathematics	I	149	87	58.39
		II	147	85	57.82
		III	144	120	83.33
2	B.Sc. Physics	I	106	87	82.08
		II	107	78	72.90
		III	103	80	77.67
3	B.Sc. Chemistry	I	109	82	75.23
		II	103	75	72.82
		III	102	80	78.43
4	B.Sc. Computer Science	I	107	63	58.88
		II	104	63	60.58
		III	104	79	75.96

S.No	UG Courses	Year	Sentup	Passed	%
5	B.Sc. Biochemistry	I	52	37	71.15
		II	45	41	91.11
		III	49	33	67.35
6	B.C.A.	I	52	28	53.85
		II	52	25	48.08
		III	52	39	75.00
7	B.Sc. Microbiology	I	54	31	57.41
		II	47	26	55.32
8	B.A. Economics	I	73	13	17.81
		II	65	20	30.77
		III	49	29	59.18
9	B.Com.	I	146	76	52.05
		II	141	61	43.26
		III	134	68	50.75
10	B.B.A.	I	74	15	20.27
		II	64	28	43.75
		III	61	41	67.21
11	B.A. Tamil	I	71	23	32.39
		II	56	40	71.43
		III	59	47	79.66
12	B.A. English	I	142	56	39.44
		II	139	76	54.68
		III	124	94	75.81
13	B.Com (CA)	I	75	23	30.67
		II	73	37	50.68
		III	73	42	57.53

S.No	PG Courses	Year	Sentup	Passed	%
1	M.Sc. Mathematics	I	87	67	77.01
		II	85	64	75.29
2	M.Sc. Physics	I	29	20	68.97
		II	27	25	92.59
3	M.Sc. Chemistry	I	29	21	72.41
		II	28	26	92.86
4	M.Sc. Computer Science	I	26	23	88.46
		II	25	21	84.00
5	M.Sc. Biochemistry	I	17	17	100.00
		II	16	16	100.00
6	M.C.A.	II	60	48	80.00
		III	69	69	100.00
7	M.Sc. Counselling Psychology	I	17	14	82.35
		II	19	19	100.00
8	M.A. Economics	I	08	05	62.50
		II	04	04	100.00
9	M.Com.	I	19	07	36.84
		II	17	17	100.00
10	M.S.W	I	43	40	93.02
		II	43	43	100.00
11	M.B.A.	I	59	40	67.80
		II	58	53	91.38
12	PGDHRM	I	32	31	96.88
13	PGDLM	I	18	18	100.00
14	PGDIEM	I	09	08	88.89

S.No	PG Courses	Year	Sentup	Passed	%
15	PGDMLT		15	15	100.00
16	M.A. Tamil	I	06	06	100.00
		II	10	10	100.00
17	M.A. English	I	44	35	79.55
		II	44	37	84.09

November 2019 Semester Examination Results

S.No	UG Courses	Year	Sentup	Passed	%
1	B.Sc. Mathematics	I	149	107	71.81
		II	143	97	67.83
		III	142	99	69.72
2	B.Sc. Physics	I	106	84	79.25
		II	103	87	84.47
		III	102	86	84.31
3	B.Sc. Chemistry	I	110	64	58.18
		II	103	75	72.82
		III	99	73	73.74
4	B.Sc. Computer Science	I	110	82	74.55
		II	102	60	58.82
		III	98	64	65.31
5	B.Sc. Biochemistry	I	55	30	54.55
		II	51	44	86.27
		III	42	39	85.71

S.No	UG Courses	Year	Sentup	Passed	%
6	B.C.A.	I	55	44	80.00
		II	50	30	60.00
		III	46	37	80.43
7	B.Sc. Microbiology	I	54	36	66.67
		II	51	40	78.43
		III	45	34	75.56
8	B.A. Economics	I	62	12	19.35
		II	49	12	24.49
		III	57	33	57.89
9	B.Com.	I	142	82	57.75
		II	138	78	56.52
		III	134	86	64.18
10	B.B.A.	I	76	28	36.84
		II	70	35	50.00
		III	51	29	56.86
11	B.A. History	I	45	19	42.22
12	B.A. Tamil	I	75	41	54.67
		II	62	24	38.71
		III	52	36	69.23
13	B.A. English	I	135	64	47.41
		II	117	59	50.43
		III	119	96	80.67
14	B.Com (CA)	I	75	32	42.67
		II	69	24	34.78
		III	66	34	51.52

S.No	PG Courses	Year	Sentup	Passed	%
1	M.Sc. Mathematics	I	58	48	82.76
		II	84	66	78.57
2	M.Sc. Physics	I	29	26	89.66
		II	28	25	89.29
3	M.Sc. Chemistry	I	29	23	79.31
		II	29	25	86.21
4	M.Sc. Computer Science	I	26	24	92.31
		II	26	18	69.23
5	M.Sc. Biochemistry	I	06	05	83.33
		II	17	16	94.12
6	PGDMLT	I	06	06	100.00
7	M.C.A.	I	11	03	27.27
		II	59	29	49.15
		III	58	43	74.14
8	M.Sc. Counselling Psychology	I	19	18	94.74
		II	16	13	81.25
9	M.A. Economics	I	13	07	53.85
		II	06	06	100.00
10	M.Com.	I	09	04	44.44
		II	18	15	83.33
11	M.S.W	I	40	38	95.00
		II	42	34	80.95
12	M.B.A.	I	58	33	56.90
		II	59	40	67.80
13	PGDHRM	I	35	32	91.43

S.No	PG Courses	Year	Sentup	Passed	%
14	PGDLM	I	14	14	100.00
15	PGDIEM	I	20	20	100.00
16	M.A. Tamil	I	08	08	100.00
		II	06	05	83.33
17	M.A. English	I	40	35	87.50
		II	44	23	52.27

Library Services

The epitome of success comes through vivid learning and knowledge dissemination. The library of Sacred Heart is a favourite destination for our students and staff. The following activities were carried out through the library department of our college this year.

- ❖ 2300 new Books and 10 new Journals were added to the library collections.
- ❖ 8 Ph.D. dissertations and 98 UG & PG projects were added to the Research Cell.
- ❖ This year 75 CD / DVD (Non-Book Materials) were add to the existing Library collections.
- ❖ MoU with DELNET to access 10000 ebooks and 6500 Journals.
- ❖ A Library Tour was conducted for the newcomers (UG, PG & M.Phil).
- ❖ Library Automation Software (eBLIS) was successfully upgraded.
- ❖ A new High configured Server was installed to access the Library Software and Digital Library Software (DSpace).
- ❖ 800 new e-books related to the Department of Microbiology, Biochemistry and History were added in Library collections.
- ❖ A workshop on “Polishing and Publishing Research Papers” was organized on 26th August 2019 for M.Phil and Ph.D. Research Scholars.
- ❖ A Two Day NTA UGC Net Preparatory Programme for Library Professionals was organized from 08th to 09th November 2019.

Sports

We have a long list of achievers. Here I would like to mention some achievements of our sportspersons

All India Inter University Level

Mr. S. Chandru, I B.Com., represented Thiruvalluvar University Cross Country Team participating in the All India Inter University Cross Country competition held at Mangalore University Mangalore, Karnataka.

Mr. V. Gokul, I B.Com., represented Thiruvalluvar University Athletic Team participating in the All India Inter University Athletic competition held at Rajiv Gandhi University, Mangalore, Karnataka.

National Cadet Corps (NCC)

- ❖ All India Girls Trekking Expedition held at Nilgiri (Ooty): Three girl cadets of our college NCC Unit participated in All India Girls Trekking Expedition conducted by Tamil Nadu directorate of NCC held at CSI Engineering College, Nilgiri (Ooty) from 6th May 2019 to 13th May 2019.
- ❖ Advance Leadership Camp (ALC - II) - (SD & SW): CQMS. V. Durgadevi our SW NCC cadet attended Advance Leadership Camp held at Agra organized by UP Directorate from 16th to 27th July 2019.
- ❖ Inter Directorate Shooting Competition (West Bengal): CSUO. R. Shashmitha our SW NCC cadet participated in Inter Directorate Shooting competition held at Asansol (West Bengal) from 14th to 25th August 2019 and she won silver medal.
- ❖ XXVIII All India GV Mavlankar Shooting Championship: CSUO. R. Shashmitha our SW NCC cadet participated in XXVIII All India GV Mavlankar Shooting Championship for the year 2019 held at Ahmadabad from 14th to 25th September 2019 and she won silver medal.
- ❖ TSC Achievement: CDT. A. Arun our SD NCC Cadet attended TSC Firing Camp held in New Delhi from 17th to 26th September 2019. He had participated in firing competition on behalf of TN NCC Directorate.
- ❖ Advance Mountaineering Course (AMC): CPL. S. Damodaran our SD NCC Cadet attended 20 Days Advance Mountaineering Course held in Nerhu Institute of Mountaineering (NIM), Uttarkasi, Uttrakand from 13th November 2019 to 03rd December 2019.
- ❖ Army Attachment Camp (AAC): CUO. P. Anbu & SGT. E. Vignesh our SD NCC Cadets attended Army Attachment Camp (AAC) from 31st December 2019 to 09th January 2020 held in Secundradad, Telungana State.

Extension Services (The Sacred Heart College Society)

Social Commitment is an integral part of our College and hence programmes that lay emphasis on social transformation is being carried out diligently year after year. Here I present the extension activities carried out this year.

Women Empowerment Self Help Groups

The women empowerment programme of The Sacred Heart College Society focuses on bringing women together for creating a common platform for mutual trust and support. Presently we run this programme in partnership with NABFINS (NABARD Financial Services Pvt. Ltd) and Indian Bank. Our SHG's have been engaged in enterprises like Coir Yarn Making, Coir Mat, Small Millets Value Additions, Masala Powder Making, Milk Value Additions, Vermi composting and Leaf Plate Making etc. Totally, there are 611 women groups through which 9855 women are being benefitted.

Economic Assistance to SHGs

Self Help Group is a visible organized setup to disburse microcredit to the rural women and encourage them in entrepreneurial activities. SHGs and micro-credit are the solutions to speed up the socio-economic development of poor women.

The Sacred Heart College Society has been working as a catalyst in promoting and linking more and more SHGs to the banking system. We have been associated with NABARD Financial Services Pvt. Ltd. (NABFINS) and Indian Bank for credit linkage of the SHGs. The economic assistance provided by NABFINS, Indian Bank, TAHDCO and VCCB with regard to microcredit reveals that 253 SHGs as on 08.01.2020 are credit linked. The cumulative credit disbursed by them is Rs. 13.87 crores as on 08.01.2020.

S. No	NABFINS		INDIAN BANK		TAHDCO		VCCB BANK		TOTAL		
	Month	Total Groups Graded	Total Amount Disbursed	Total Groups Graded	Total Amount Disbursed	Total Groups Graded	Total Amount Disbursed	Total Groups Graded	Total Amount Disbursed	Total Groups	Total Amount
1	April'19	15	61,15,000	06	34,55,000	-	-	-	-	21	95,70,000
2	May'19	15	1,11,10,000	04	21,50,000	-	-	-	-	19	1,32,60,000
3	June'19	14	72,05,000	04	20,90,000	-	-	-	-	18	92,95,000
4	July'19	16	73,15,000	18	99,00,000	-	-	01	5,00,000	35	1,77,15,000
5	Aug.'19	19	86,70,000	02	16,20,000	-	-	-	-	21	1,02,90,000
6	Sep.'19	15	60,25,000	10	55,40,000	2	10,00,000	-	-	27	1,25,65,000
7	Oct.'19	25	1,10,35,000	07	47,60,000	-	-	-	-	32	1,57,95,000
8	Nov.'19	30	1,60,55,000	07	47,65,000	-	-	-	-	37	2,08,20,000
9	Dec.'19	27	2,00,60,000	03	29,20,000	-	-	-	-	30	2,29,80,000
10	Jan.'20	-	-	-	-	13	65,00,000	-	-	13	65,00,000
Total		176	9,35,90,000	61	3,72,00,000	15	75,00,000	1	5,00,000	253	13,87,90,000

SHG Loan Disbursement

Joint Liability Group

We are facilitating Joint Liability Group (JLG) in Vellore District with the support of NABARD. This is an informal group comprising 5 to 7 individuals coming together for the purposes of availing bank loan either singly or through the group mechanism against mutual guarantee. JLGs can be formed primarily consisting of tenant farmers and small farmers cultivating land without possessing proper title of their land and women who wish to own any business or business activity of their own. A total of 401 JLGs are functioning now in our campus.

Economic Assistance to JLGs

S. No	INDIAN BANK		
	Month	Total Groups Graded	Total Amount Disbursed
1	April 2019	1	2,00,000
2	May 2019	3	6,00,000
3	June 2019	-	-
4	July 2019	-	-
5	August 2019	-	-
6	September 2019	-	-
7	October 2019	1	2,00,000
8	November 2019	-	-
9	December 2019	2	4,00,000
10	January 2020	2	5,20,000
Total		9	19,20,000

Education

Sacred Heart College Society works with a variety of project partners and community groups in many educational and development related endeavours. Our mission is not only to look at issues concerning access to education, but also to ensure that every child has access to an education that is meaningful. Sacred Heart College Society also imparts employability skills through our Skills Training Centre, increasing their ability to secure a job and helping India to be a truly developed country.

Scholarships

Educational scholarship offers the youth a foundation to achieve their potential. However, millions of children drop out of schools due to financial reasons. With the objective of encouraging students to pursue further studies, we are giving various scholarships to the orphan, semi orphan college students and poor children belonging to SHG members families. We also provide Works Scholarship for the poor students who are studying in Sacred Heart College, Tirupattur.

S.No.	Particulars	Amount
1.	Semi Orphan Scholarship (153 Students * Rs 6000)	9,18,000
2.	Orphan Scholarship (8 Students * Rs. 10,000)	80,000
3.	Works Scholarship for 100 Students	5,00,000
Total Amount for Students		14,98,000

Evening Study Centres

After school, tuition centers provide supplementary learning to compensate for education provided in the Government schools. These centers have been fairly effective in increasing the pass rates for the standard examinations held in 10th and other grades, and in ensuring that children stay in school and not drop out. Children benefit from more individual attention and sensitivity to their community problems in these after school tuition centers. The Sacred Heart College Society runs 5 evening tuition centres in remote villages and slum settlements.

S.No	Particulars	No of Students
1	Sivarajpettai	32
2	Sagaya Nagar	35
3	Anandapatti	27
4	IdayaNagar	56
5	Gowthampet	43
6	Abai Street	35
7	Bosco Nagar	35
Total		263

Family Counselling Centre (FCC)

The Sacred Heart College Society runs Family Counselling Centre under the Bosco Institute of Social Work with the support of Central Welfare Board, Ministry of Women and Child Development, Government of India, New Delhi. The Family Counsellors offer 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. In all 390 clients and their families benefited during 2019-2020.

Child Development

Creche Programme

The Sacred Heart College Society runs two crèche centres funded by Central Social Welfare Board, Ministry of Women and Child Development, Government of India, New Delhi under the scheme of Rajiv Gandhi National Creche Scheme from 1986. Totally 90 children are benefiting through this programme. Supplementary nutrition food was given to the children for 25 days in a month.

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

Entrepreneurship Development

Entrepreneurship Skill Development Programme (ESDP) on Garment Manufacturing

The Entrepreneurship Skill Development Programme (ESDP) on Garment Manufacturing was organized from 21st October 2019 to 29th November 2019 supported by MSME-Development Institute, Ministry of MSME, Government of India. The valediction of the training programme and project album exhibition were organized on 29th November 2019 at 11.00 a.m. at BISW Hall, Sacred Heart College, Tirupattur. The Chief Guest for the programme was Mr. K. Ravi, General Manager, District Industries Centre, Vellore District and Guest of Honour was Mr. A. Ravikumar, Assistant Director, MSME- Development Institute, Guindy.

Workers Education Programme on Welfare Programmes

In tune with Government of India's stress on empowering the women workers, special efforts were made to have more participation of women workers with the support of Central Board for Workers Education, Ministry of Labour and Employment, Government of India and we conducted a three day awareness programme on government schemes and welfare programmes from 10th to 13th December 2019 at DB Centre, Sacred Heart College. The programme was inaugurated by the Education Officer, Central Board for Workers Education Mr. Ramarathinam and Rev. Fr. S. Henry Daniel Ambrose presided over the programme. This programme aimed at achieving the objectives of creating and increasing awareness and educating the workforce for their effective participation in the socio-economic development of the country.

Entrepreneurship Awareness Camp (EAC) for Science Graduates

With a view to exposing students as well as faculty of academic institutions, offering degree/diploma courses in S&T and entrepreneurship as an alternative career, Entrepreneurship Awareness Camps (EACs) were conducted by Department of Extension Education and Services in Sacred Heart College. The camp was for 3 days duration and conducted in the premises of Sacred Heart College and aimed at creating awareness among students on various facets of entrepreneurship while highlighting the merits of pursuing such a career option. In EAC, about 150 students were exposed to different aspects of entrepreneurship, including opportunity guidance, services offered by agencies of support system etc. A visit to the industries located in Kandhili was arranged to bring the students in direct touch with practising entrepreneurs.

Capacity Building for Adaptation of Technology (CAT) on Foot-and-Mouth Disease (FMD) and Mastitis

In a major setback to the cattle raising occupation in Tamil Nadu, a highly contagious viral disease, the Foot and Mouth Disease (FMD), a viral disease of cattle and swine has spread in the Vellore District.

The Capacity Building for Adaptation of Technology (CAT) on Foot-and-Mouth Disease (FMD) and Mastitis training programme sponsored by NABARD was held from 30th October 2019 to 01st November 2019 at Kethandapatti Village. Dr. Bangarugiri, AGM, NABARD inaugurated the programme and Dr. Subasree, Veterinary Doctor spoke about prevention control measures to the farmers.

Activities under Unnat Bharat Abhiyan (UBA)

A group of student volunteers along with staff members visited the adopted villages of Kethandapatti, Kasinayakanpatti, AK Mottur, Periyagaram and Mookanur to conduct Village

Survey and household survey. Village Administrative Officer and Panchyath Scretary provided the data about the villages and after which household survey was collected from individual houses. They had arranged 4 volunteers to go along with faculty in order to communicate with local people effectively and on these days survey was taken from all the households of the village. These data have been entered in the website of UBA, IIT Delhi, the National Coordinating Institute for UBA programme, as per their instruction.

Survey Details

Particulars	A.K. Mottur	Kasinaiyan -kanpatty	Kethanda -patty	Mookanur	Periagaram
Total Household	102	118	111	106	117
Total Population	374	399	433	313	408
Gender Ratio	938 Females per 1000 Males	771 Females per 1000 Males	891 Females per 1000 Males	863 Females per 1000 Males	821 Females per 1000 Males
Average Members per Family	4	3	4	3	3

Deen Dayal Upadhyaya Grameen Kaushalya Yojana (Ddu-Gky): Skill Training

DDU-GKY is uniquely focused on rural youth between the ages of 18 and 35 years from poor families. As a part of the Skill India campaign, it plays an instrumental role in supporting the social and economic programmes of the government like the Make In India, Digital India, Smart Cities and Start-Up India and Stand-Up India campaigns. The Sacred Heart College Society has received sanction to train 520 unemployed rural youth from Vellore, Tiruvannamalai, Krishnagiri and Dharmapuri Districts from the Tamil Nadu State Rural Livelihood Mission (TNSRLM), Government of Tamil Nadu.

Entrepreneurship Awareness Programme For Clusters

Entrepreneurship Awareness Programme for Coir and Agarbathi Clusters in Tirupattur District in association with Indian Bank was held at DMT Hall, Sacred Heart College on 24th December, 2019. With the objective to bring about awareness on the concept of cluster approach among entrepreneurs, the Indian Bank and Department of Extension Education and Services, Sacred Heart College organised a one day awareness programme. The awareness programme was intended to familiarise entrepreneurs with central and state government schemes for cluster promotion, prospects in Tirupattur District and financial assistance for projects. It will also prepare the projects for assistance and urge the entrepreneurs to associate with cluster development in the district.

The awareness camp was inaugurated by Tirupattur District Collector Mr. M.P. Sivanarul, a dynamic person. Mr. K. Ravi, B.Tech., General Manager, PE., District Industries Centre, delivered the prelude for the Entrepreneurship Awareness, stating the core objectives of the camp such as building the innate capability of entrepreneurs, bringing about Awareness regarding various support schemes of State and Central Governments. The presidential address was delivered by Mr. M.P. Sivanarul, District Collector, Tirupattur in which he elucidated the new aspect of Entrepreneurship in Cluster Activities where entrepreneurs would be taken up by industrial innovation oriented firm which would help them understand the various fields in which Entrepreneurship has branched out. He also stated the importance of revisiting, dreaming and being passionate about what an individual wants to pursue as it is perseverance that brings out the light in them.

Networking Partners

- Central Social Welfare Board, Ministry of Women and Child Development, Govt. of India, New Delhi.
- State Social Welfare Board, Govt. of Tamil Nadu.
- NABARD, Chennai.
- Entrepreneurship Development Institute of India (EDII), Ahmadabad
- Department of Science and Technology
- National Commission for Women
- IIT, Delhi
- IIT, Madras
- 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)

Concluding Remarks

It is a remarkable day for all of us to recall the noble vision of our Founder and Father St. John Bosco who said “It is enough that you are young for me to love you very much” and in tune with these noble lines Sacred Heart College continues to serve the deserving rural youth in this area. While celebrating our achievements in the field of education, we strongly believe in the concept of holistic education and strive to achieve its goal of preparing students to meet challenges.

We have a great mission ahead and it is to help our students learn the right thing and enable them to manifest what they have learnt. This manifestation of perfection is possible if our minds and hearts are united in marching towards the goals we have set.

Hence I urge the whole Sacred Heart family to synchronise our energy to educate, empower and enlighten the young minds for creating a better and stronger society and nation.

May we continue to thank and pray to our blessed Mother for her wonderful guidance and the powerful intercession of our Founder and Father St. John Bosco for this College to grow from strength to strength. May our reputation grow among academicians, parents and industry as a premier institute of learning in this state, in this nation and the world at large.

May God bless Sacred Hearts!

ILLAKU - 2020

First Ever Career Guidance Programme by Students for Students

Illaku-2020, Career Guidance Programme, was organized on 29.01.2020 by 'Youth for Social Responsibility' (YSR), a student-initiative of Sacred Heart College (Autonomous), Tirupattur. The hall was overflowing with over 2800 students with their staff members from 19 government-run higher secondary schools from in and around Tirupattur gathered at Kamarajar Arangam, Sacred Heart College by 10.30 a.m. The Hindu Tamil Thisai Daily was the Media partner. Each student was given a notepad and a pen.

Realizing an urgent need for a career guidance programme for the newly formed district of Tirupattur, the YSR members, whose main objective is to uplift the socially backward population, set about organizing the programme. With the solid support of the college management, the district administration, and media partner, the YSR team went about meticulously planning the details, with the patronage and support of the business community of Tirupattur.

Tirupattur is the district headquarters of the newly formed 'Tirupattur district'. It is considered to be one of the least developed districts in India. The student population in general lack an awareness on latest career opportunities. Hence, a quality career guidance programme was deemed to be an urgent need by the YSR team members. YSR team is a student-led initiative of Sacred Heart College, Tirupattur, aimed at social upliftment activities. This team of more than 100 student volunteers works independently with the support and guidance of the college management. The team met the officials of the district administration and solicited their support. There was an overwhelming support and guidance especially, from the District Collector and DEO.

The event was presided over by the District Collector, Mr. M.P. Sivanarul, IAS, and he stressed the need for hard work and discipline and that the students from the rural areas should not get discouraged. He gave the example of Justice Banumathi from Krishnagiri district who has become a Supreme Court Judge currently. The Superintendent of Police Dr. P. Vijaykumar, IPS insisted that the students should follow the law of the land and that they should not lose their concentration. He also pointed out that education is the true wealth. He also introduced the Women's Safety App called Kaavalan, developed by the Police, to the students. The resource person Dr. Karthikeyan from VIT University, Vellore, explained the various career paths available for students after their XII standard studies. The resource person Mr. K. Narayanan, Life-skill trainer, motivated the students through his interactive session. Through some activities, he demonstrated the way to concentrate on any task especially, their studies. The students enjoyed the session and learnt valuable lessons for life.

The presence and the felicitations of the Rector and the Secretary of the College Rev. Dr. C. Antonyraj, SDB, Rev. Dr. D. Maria Antony Raj SDB, the Principal and Rev. Dr. K.A. Maria Arokiaraj, SDB, the Additional Principal were a great source of support and encouragement for the YSR team. Everyone appreciated the initiative of the YSR team and blessed their noble activities aimed at social upliftment.

The business community of Tirupattur supported the event through their sponsorship. All the students were given refreshments. The whole programme was successfully coordinated by the YSR volunteers. The good seeds have been sown and one believes strongly that they would be richly blessed by God.



M.P.Sivanarul, I.A.S.,
District Collector,
Tirupathur District.



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Letter of Appreciation

On behalf of the District Administration, I would like to express my sincere appreciation to *Sacred Heart College (Autonomous), Tirupathur*, for inspiring and encouraging student-lead initiatives towards social change.

I place on record, the committed service of *Youth for Social Responsibility (YSR)*, a students volunteer group of the college, in organising the first ever Career Guidance Programme for the government-run schools, under the mentoring of the Additional Principal Thiru.Rev.Dr.K.A.Maria Arokiaraj. Their commitment and discipline are their sense of dedication in meticulous planning, execution are highly commendable.

I am sure that all the students who attended the programme have benefitted out of it. I wish to see the College and the YSR type groups involve in many such socially benefitting programmes for the public in future.


District Collector
Tirupathur.

Government Garden, Collectorate building Tirupathur – 635601

Ph. D. Abstracts

A Study on Qualitative Properties of Differential Equations in Stochastic Processes

In this study, the researcher considered a System with two Statistically Identical Components, each with an Exponential Failure Law with parameter μ where only one component is required to be operative for the System and the other Component is kept as a spare one. When the Operative Component fails, it is replaced by the spare. The researcher assumes that the Spare Component does not fail and that the failure detection and switching equipment are perfect. The researcher also used the Lagrange method to interpolate the missing value of repair rates of the System wherever required in computation. Results obtained are found to be efficient for studying the Steady-State behaviour of Stochastic Difference Equations using Generating Functions.

The researcher worked in Structural Coefficients Attributed to Stochastic Difference Equation Models and it would be unlikely that the time paths of endogenous variables in a simultaneous difference equation model would be identical with respect to amplitudes or proportional changes, even though the time paths would be identical with respect to periods. Furthermore, the researcher states that the less related are the variables to each other, the greater will be the differences in the amplitudes or proportionate changes, i.e., in general, different structural relationships between the endogenous variables generate certain differences in the amplitude or proportionate changes of the endogenous variables.

The researcher has analyzed the cost of the Markov evolution of the net profit. The researcher has described the explicit expression of the transient probabilities that are found in a direct way along with Steady State solution. It can be applied to Telecommunication Network. The researcher considered the initial value of Fractional Difference Equation and Non Linear Fractional Difference Equation with the Caputo like Difference Operators. The researcher obtained the sufficient conditions for existence of all solutions of the System of Difference Equations. The researcher derived the Stability property of Stochastic Nonlinear System. There are many types of Stochastic Systems, although they do not have trivial solution. The researcher has established the Stability Property of Non trivial Solutions for Stochastic Non Linear Systems.

The researcher has derived a stochastic version of Control Lyapunov Function and provided the necessary and sufficient condition in probability of a Non trivial Solution for Stochastic Non-Linear System. The Numerical Examples have been solved to illustrate the results.

The conclusion may be viewed as stochastically disturbed version of a deterministic autonomous difference equation, where the random deviation of a System is state dependent. In general, it does not have linear leading order spatial dependence, close to the equilibrium. Similarly, to deterministic difference equations, analyzing asymptotic behaviour of stochastic difference equations is often harder. The researcher considered the coupled differential-difference equations with multiple delay channels, with single delay in each channel which is a more reasonable representation of a large class of practical systems since it more faithfully represents the problem size.

Dr. P. Manoharan
Associate Professor
Department of Mathematics (Shift-I)

Postmodernist Wordplay and Parodic Strategy: Donald Barthelme

A Study of his Techniques

Donald Barthelme (1931-1989) is an American novelist and a short story writer. He is the pioneer of postmodernism. Unfortunately, he is unread because of the difficulty of reading his works that overtakes its significance. Barthelme is a rare literary genius, who plays with his fiction and there by stirs the interest of the readers. He is an innovator of new forms in fiction. Barthelme's first collection of short stories *Come Back, Dr. Caligari*, was published in 1964. This was an astonishment to many critics which signalled the birth of a new literary genius. He is a sort of a person who violates traditional plot, character, time space; some of his notable collections are *Unspeakable Practices, Unnatural Acts, City Life, Sadness, Guilty Pleasures, Amateurs, and Great Days*

Barthelme is well remembered for his collection of *Sixty Stories* and *Forty Stories*. Some of his novels include *Snow White*, (first novel in 1967), followed by *The Dead Father* in 1975, *Paradise* in 1986 and finally *The King* in 1990.

This research aims at studying Barthelme from a postmodernist view dealing with wordplay and the strategy that he adopts to confuse his readers deliberately, that is being parodic, he ridicules the very act of writing and story telling.

Postmodernism rules the entire world today, though there are glimpses of modernism still prevalent. Postmodernism is highly concerned with the language of written texts. Barthelme's works are an attack on the false consciousness that generates meretricious sources of information that are accepted as commonplace in the modern, technologized, urban society of mass man. The language itself is ironic having a puzzle like structure making the reader search for meaning. Barthelme chiefly dwells on three aspects; the futility of a work in an industrialized world, emotional disorientation, and the impotent double-mindedness of the artist. Many critics try to offer many labels to him and he still fits into everything.

The major aspect of his works is, they are parodic. A parody in contemporary usage is a work created to mock, comment on, or make fun at an original work, its subject, author, style, or some other target, by means of humorous, satiric or ironic imitation. Thus, by adopting the parodic strategy the reader could well comprehend what Barthelme is hinting at. He fits into almost modern phrases such as metafictionist, anti-realist, absurdist and deconstructionist.

The research makes an attempt to trace the works of Barthelme, by probing into his word games and the intention of his parodic structure. It is a study of his techniques and will help future scholars to probe into this rare genius who has been unnoticed for a long time.

Dr. F. Julian Xercies Rigley
Assistant Professor
Department of English (Shift-I)

Caste Question in Tamil Nadu: A Study on the Self-Respect and the Communist Movements, 1925-1944

Caste in India took its modern form under the British colonialism. While religion was used as an important tool to classify Indian subjects as Hindus, Muslims, and Christians, caste was used to further categorize hierarchically the Hindus as Brahmans, non-Brahmans, and depressed castes for the administration of British India. Curiosities and necessities under colonial regime promoted the colonial administrators, scholarly officials and Christian missionaries to study, interpret and reinterpret Indian caste and its various features in relation to religion, economy and political power. These colonial theories reverberated both in the academics and socio-political movements of native Indians. This thesis engages to study the achievements and limitations of the Self-Respect and the Communist Movements with regard to anti-caste programmes in the second quarter of the twentieth century Tamil region.

Self-Respect Movement (SRM) was a radical part of the broad non-Brahman movement in the Tamil region. While the Justice Party represented the non-Brahmans of the Madras Presidency in the political field, the Self-Respect Movement advocated the social and cultural advancement of the same section within the Tamil speaking region of the Presidency. The Communist Movement in Tamil region was a part of the larger movement in India as well as the International Communist Movements. Unlike Europe, the ideas of Communism or Marxism considerably reached India through the Soviet Socialist Revolution during the early twentieth century. The ideological and organizational foundation of the Communist Movement in the Tamil region emerged eclectically, through interactions between the natives and Communists from other parts of India and abroad. Though the Communists in Tamil region imbibed the class struggle as their ideology from the International Communist Movement, its praxis at ground level was indigenous one.

The Self-Respecters utilized the Aryan race theory as their main idea to oppose the primordial social hierarchies in Tamil society. They claimed that the caste system was part of the Aryan culture which was imposed on the Tamil society when the former infiltrated to Tamil region. This racial theory was an effective tool through which they mobilized all non-Brahman castes including the Adi-Dravidas to oppose the Brahman domination over the non-Brahman masses. Based on this idea they have formulated anti-caste and anti-untouchability programmes such as inter-caste marriage, inner-dining, temple entry and so on which mainly aimed to address the cultural aspects of the caste system. Their programmes were lukewarm to address the other aspect of caste such as economy and power. The self-respecters preaching of anti-Brahmanism through their public meetings, annual conferences and printing press educated Tamil masses, especially the youth. Nonetheless, the idea of anti-Brahmanism of self-respecters seemed lukewarm to address the non-Brahman dominations over the Adi-Dravidas in the Tamil region. The Adi-Dravidas were meted out with oppression not only by the Brahmans but also by the upper caste non-Brahmans.

The Communists used the Marxian class theory to address the primordial social relationship in Tamil society. Their narrow understanding of the class theory, merely understood the Indian caste as a problem associated with Indian feudalism, instead of the Brahman domination. The Communist movement did not come out with their programme to address the caste inequalities in the society. Though their policy programmes ignored paying attention to the caste hierarchies in the society, the Communists were of the opinion that the untouchable castes should be elevated both socially and economically. The Communist programmes of 1927 and 1930s guided the Indian youths towards an effective campaign against the socio-cultural sufferings of the lower castes especially the untouchables.

However, the absence of specific programmes to address caste and untouchability in their policies did not completely stop the Communists to address social and cultural manifestations of caste in practice. The early Communist activities were mainly confined to the communist propaganda of economic freedom, but ignored the anti-caste and anti-untouchability struggles, in the social and cultural domain. But the later communists carried out attacks on social and religious divisions that existed among the industrial labourers and rural peasants where they tried to build their class organizations. Apart from propaganda against social and italics divisions, the Communists initiated sporadic struggles in their trade union, kisan and student organizations in the socio-cultural domain.

Dr. P. Kumar
Assistant Professor
Department of History (Shift-II)

Evolution of Unified Framework with Cohesive Methods and a Graph Visualization Technique for a Multilingual Ontology

Learning is an important aspect of living beings in the world. Each and every living being communicates with one another using different medium like signs, language, symbols and so on. Communication media is used to share the ideas, knowledge and thoughts with others. Languages, by and large, play a significant role in communication where people around the world use more than 7000 languages. In the recent years, people are very much interested in accessing information in their own languages. Most of the devices like laptops, smart phones etc. are developed to support various languages.

As of now, existing web pages are developed to support monolingual information (e.g., English, French, Chinese, etc.). Among the monolingual languages available on the net English language seems to have higher percentage of web pages. Hence, this poses a problem for the non-English user to understand the information. Multilingual information is required to benefit different language users. In the last decade, most of the web sites have been developed with localization technique and translators to provide information in different natural languages. Still, while translating or conceptualizing the information there is a problem in providing meaningful information because each language has its own sentence pattern. The translators fail to translate the text meaningfully.

Semantic web technologies are proposed to implement knowledge based systems which are widely used in artificial intelligence systems, health care domain, engineering, Natural Language Processing (NLP), Knowledge Engineering (KE), bio-informatics and e-commerce domain. Triples and ontologies are commonly used terminologies in Semantic web which are used to develop semantic applications. Among them, ontologies build knowledge based systems which can be conceptualized in machine readable manner. Ontology applications are used in healthcare domain, e-commerce, knowledge-based information systems, etc. Most ontology applications are developed in monolingual, especially in English, which limit the user of different languages to use ontologies. It leads to the development of multilingual ontologies.

In order to propose multilingual ontologies, the research gap is identified by reviewing the research works related to multilingual ontologies through literature review. Major differences between database and ontology are compared. Differences between database and ontology are validated by implementing multilingual application using both techniques. Initially, MVC based MERA framework is proposed for multilingual web based application. As a case study

of the MERA framework, web-based multilingual application for Thirukkural is developed. MERA framework is compared with other Model-View-Controller frameworks that are proposed for developing web applications.

MOnto methodology is proposed to build multilingual ontologies in this research work. The methodology consists of five phases viz.; i) input, ii) build ontology, iii) ontology mediation, iv) SPARQL retrieval and v) Visualization. Input phase allows the developer to gather data from closed corpus or open corpus to build ontologies. This phase also considers to reuse existing ontologies. Data collected in the previous phase is arranged hierarchically and ontologies are created in different natural languages. Third phase integrates the ontologies developed in different natural languages using ontology merging and correspondence between the terms that are established using ontology mapping. Fourth phase deals with retrieval of knowledge from the ontologies derived in the third phase SPARQL. Fifth phase briefs the visualization of ontologies using different ontology visualization tools.

Multilingual ontology applications are developed using proposed Ontology Mediation Methods (OM2). This method has six steps namely, i) determining the domain, ii) collecting the terms, iii) building relations, iv) creating or reusing ontologies, v) merging the ontologies and vi) mapping the terms. Algorithms are proposed to perform merging and mapping multilingual ontologies. The OM2 method is then evaluated by implementing multilingual ontology for Thirukkural.

Finally, multilingual ontology visualization plug-in, MLGrafViz is developed to visualize ontologies in different natural languages. MLGrafViz is developed to support 135 natural languages. It is developed using Google Translate API. This plug-in permits the user to visualize ontology in his/her preferred language where the core ontology remains the same. The MLGrafViz is tested by developing ontology application for Fundamentals of Computer Programming subject. The proposed plug-in is compared with other existing ontology plug-ins.

Dr. J. Merlin Florence
Assistant Professor
Department of Computer Science (Shift-II)

n-Dimensional Difference Operators in Heat Equations

In the thesis entitled **n-Dimensional Difference Operators in Heat Equations**, the researcher has attempted to develop two areas simultaneously. The first is the area of the difference operators in the field of difference equations and the second is the area of heat equations. The aim of this research consists in suggesting an appropriate difference operator for a given unique situation of heat transfer which would take into consideration the rate of heat transfer and the nature of the material. It also consists of improvising the already existing operator in order to make it possible to arrive at the solution of the complex field of the heat equations and an effective formulation of the heat equations in the field of difference operator in order to arrive at the optimal solution.

The first consists of an initiation of a thorough study with regard to the already existing operators in the field of differ. This search led us to tumble on an operator which would have an extended utility and wide comprehensiveness, the extorial operator. It is indeed an original and unique contribution to our research. The second is the area of the heat equations. This research work focuses on the complex field of heat flow in a material. Hence a three-step approach has to be done in order to arrive at the solution of the heat equation of the material taken for study. The first step includes the formation of discrete heat equation using Fourier law of cooling in the field of difference equation. The second step consists of the choice of the appropriate difference operator which would suit our research problem. The third step includes finding the numerical and exact solution of the discrete heat equation and thus analysing it with the use of MATLAB.

Hence at the end of this research work, the researcher can conclude that he has investigated the generalized partial difference operator and proposed a model of it in discrete heat equation with several parameters and shift values. The diffusion of heat is studied in dimensions up to three and several solutions are postulated for the same. At the initial level, the study leads us to the possibility of predicting the temperature either for the past or for the future after getting to know the temperature at a few finite points at the present time. It also helps in making a wise choice of material (γ) for better propagation of heat. In the converse, it also shows the nature of transmission of heat for the material under study. Thus, we can say that the above research helps in reducing any wastage of heat and also enables to make an optimal choice of material (γ).

Rev. Dr. S. John Borg
Assisant Professor
Department of Mathematics (Shift-I)

Bio-Conversion of Sago Spent Waste into Bio-Butanol using Solventogenic Bacteria

The current research work has been planned to bio-convert sago industrial waste into biofuel using natural solventogenic microorganisms. Waste would be a promising resource for biobutanol production and the technology can also support the effective way of disposing waste from many smaller sago industries housed in the Salem, Namakkal and Dharmapuri District. The present research suggests that sago processing industry spent waste can be used as a cheap alternative substrate for bio-butanol production using solventogenic bacteria. A significant observation made in this research is that *Bacillus subtilis* when isolated has the capacity to release amylase as well as convert released sugar into bio-butanol. This could support smaller industries to treat spent waste generated in on-site without transporting the waste. Separation of butanol using liquid-liquid extraction is noteworthy for the energy efficiency and in-turn reduces the cost of butanol production. Butanol produced in this study possesses gasoline property confirming its efficiency as transport fuel. Bioconversion of sago waste into butanol is an alternate means of harnessing the sugar present in the sago hampus and it reduces the impact on the environment through pollution mitigations.

The sago waste was pretreated to release maximum sugars which showed better release of sugars (300 mg/g waste) with 0.4M HCl treatment and this was followed by treatment at 100 °C for 30 minutes. Optimization for maximal sugar release studied using RSM model found to show 396mg/g sugar release with pH 3.5, temperature 100°C and hydrolysis time 30 minutes. Among, 62 facultative bacteria isolated, four isolates were found to be solventogenic when it was analysed with Jones test. Solventogenic bacteria tested for their tolerance with butanol showed they were resistant up to 5% butanol concentration. Out of four solventogenic bacteria, only one (T1) stain was able to produce 8.96 g/L of butanol under anaerobic fermentation and it was identified as *Bacillus subtilis* (Accession Number MH814998). The butanol production was at maximum (approx. 9 g/L) when 200g/L pretreated sago pith waste was used. Optimisation study conducted for the maximum butanol production using RSM showed 12.12g/L butanol production with pH 6.5, temperature 35 °C. Optimized conditions used for the production of butanol with immobilized bacterial showed highest butanol production (15.01 g/L). Among various methods used for the separation of butanol from fermentation, media liquid – liquid extraction method using 2-Ethyl hexanol found to be suitable with 99% recovery. Pure butanol was obtained by the distilling extractant using distillation and the characterization of pure butanol was assessed for gasoline fuel properties as transport fuel. Devising this methodology and results to suit the requirement of industries would be a boon for an array of smaller industries housed in and around Salem.

Dr. Neethu Asokan
Assistant Professor
Department of Microbiology

Academic Association Activities (Shift-I)

வீரமாமுனிவர் தமிழ் மன்றம்

வீரமாமுனிவர் தமிழ் மன்றம் சார்பாக முத்தமிழ் விழா 2019 செப்டம்பர் 18, 19 ஆகிய இரண்டு நாட்கள் வெகு சிறப்பாகக் கொண்டாடப்பட்டது. இந்நிகழ்வை தமிழ்மன்றத் தலைவர்கள் முனைவர் ஆ. பிரபு மற்றும் தி. அ. இரமேஷ் ஆகியோர் பொறுப்பேற்று நடத்தினர். இவ்விழாவில் கவிஞர் நந்தலாலா, கவிஞர் அரங்க மல்லிகா, முனைவர் குறிஞ்சி வேந்தன் உள்ளிட்ட சிறப்பு விருந்தினர்கள் கலந்து கொண்டனர். தமிழ் மரபுக் கலைநிகழ்ச்சிகளோடு நிகழ்வு நிறைவுற்றது.

மகாகவி பாரதியார் பிறந்தநாள் விழாவினை முன்னிட்டு மாணவர் பட்டி மண்டபம் 11.12.2019 அன்று சிறப்பாக நடத்தப்பட்டது. இந்நிகழ்வினை முனைவர் சு.சிவசந்திரகுமார் ஒருங்கிணைத்து நடத்தினார். இந்நிகழ்வில் பட்டிமன்ற நடுவர் தொலைக்காட்சிப் புகழ் திரு. அன்பு அவர்கள் கலந்துகொண்டு மாணவர்களை நெறிப்படுத்தினார்.

வீரமாமுனிவர் நினைவு இலக்கிய விழா 04.02.2020 அன்று கொண்டாடப்பட்டது. இந்நிகழ்வில் முனைவர் ஏ.கோதண்டராமன் அவர்கள் சிறப்புவிருந்தினராக கலந்துகொண்டார். இந்நிகழ்வை பேரா. மு. ரோஸ் அவர்கள் பொறுப்பேற்று நடத்தினார்.

தமிழ் மன்ற நிறைவு விழா 24.02.2020 அன்று நடைபெற்றது. இந்நிகழ்வில் திரு.இரா.சந்திரசேகர் அவர்கள் கலந்துகொண்டு சிறப்புரையாற்றி தமிழ்மன்ற உறுப்பினர்களுக்கு சான்றிதழ்களை வழங்கினார். இந்நிகழ்வை முனைவர் ஆ.பிரபு பொறுப்பேற்று நடத்தினார். கல்லூரிக் கல்வித்துறை மாவட்ட அளவில் நடத்திய பல்வேறு கலைப் போட்டிகளில் நம் கல்லூரி மாணவர்கள் கலந்துகொண்டனர். அதில் இயற்பியல் துறை மாணவர் பேச்சுப்போட்டியில் மாவட்ட அளவில் இரண்டாம் பரிசினைப் பெற்று நம் கல்லூரிக்குப் பெருமை சேர்த்தார்.

Department of English (Language)

The Department of English planned seven programmes for this academic year 2019-2020. Mr. A. Athi Appan, Assistant Professor, Department of English, Thiruvalluar Government Arts College, Rasipuram, conducted a workshop for the students on the topic "Sociology in English Literature" on 17.07.2019. Students learned a lot of information from this workshop. A Guest Lecture was delivered by Anitha Daisy Winfred, Assistant Professor, Department of English, Auxilium College, Vellore. She had given a talk on the topic "The Impact of Ages in British Literature" on 19.08.2019. Followed by this programme a major programme was conducted on 27.09.2019. Which was a one day National Workshop on "Literary Explorations and Critical Interventions." More than 120 participants from various colleges attended this programme, Dr. Samuel Rufus, Associate Professor, had acted as resource person from Madras Christian College. Pre-Cultural Events were conducted for students. Totally 8 events were conducted between 09.09.2019 and 12.09.2019. Guest Lecture on "The History of Colonial Period in American Literature was held on 06.01.2020. Invited Talk on "Diasporic Problems in Indian Writing in English" was conducted on 27.01.2020. Workshop on "English Language Teaching" was held on 20.02.2020.

Department of English (Literature)

Workshop on the Art of English Spelling

On 23rd July, 2019 a workshop titled “The Art of English Spelling” was organized. The workshop was conducted by Dr. S. Karthick Kumar, Associate Professor, Department of English, Annamalai University, Chidambaram. Around 600 students attended the session.

Workshop on Sentence Formation

On 3rd September, 2019 a workshop on “Sentence Formation” was organized. The workshop was conducted by Mr. Leo Maria Francis, Don Bosco College, Yellagiri Hills. Around 500 students attended the session.

Lecture on 20th Century Classrooms

On 15th September, 2019 a lecture on “20th Century Classrooms” was organized for all the II UG students of Shift-I. The workshop was conducted by Dr. X. John Paul, School of Social Sciences, VIT, Vellore. Around 500 students attended the lecture.

Debate/ Essay Writing/Short Story Writing:

On 27th January, 2020 various activities were conducted for the students of I and II UG students. The Role of Media in Educating Youth Today: Is it Good or Bad? was the title for debate. Essay writing and Short Story writing were conducted simultaneously on specific themes. The department faculties took the responsibilities and chaired the individual sessions. Prizes were distributed to the winners.

Workshop on Pragmatics in ESL Classrooms: the need of the Hour:

On 3rd February, 2020 a workshop on “Pragmatics in ESL Classrooms: the Need of the Hour” was organized for all the II UG students of Shift-I. The workshop was conducted by Rev. Dr. K.A. Maria Arokiaraj, Additional Principal. Around 500 students attended the session.

Department of Economics (UG & PG)

A State Level Seminar on “Water Crisis and Water Management” was organized by Dr. A. Xavier Susairaj on 24.07.2019. The resource person of the seminar was Dr. K. Sivasubramaniyan, Professor from MIDS. Totally 150 outside participants took part in the seminar. An invited talk on “How to Face an Interview” was organized on 14.08.2019. Mr. R. Picasso, Assistant Professor, Department of Life Education delivered the talk. An Economic Quiz was conducted on 22.08.2019. Totally five teams of students participated and showcased their talents. Students eagerly participated and answered the questions brilliantly and the cash prize for the competition was distributed. The 55th A.D. Shroff Memorial Elocution Competition was sponsored by Forum of Free Enterprise, Mumbai. Adhering and to the norms of the Elocution competition, preliminary round was conducted on 27.08.2019. During the preliminary round, 11 students from different departments participated and out of them, 7 students were selected for the final round which was held on 17.09.2019. Mr. R. Sankaran, Assistant Professor, Department of Economics, Dr. D. Joy Christina, Assistant Professor, Department of English and Dr. A. Prabu, Assistant Professor, Department of Tamil were the judges. A two day national level workshop on “Applied Econometrics for Business and Research” sponsored by Tamil Nadu State Council for Higher Education, Chennai was organised on 10.12.2019 and 11.12.2019 by Mr. S. John Sundar, Workshop Coordinator. The resource persons were Dr. A. Duraisamy, Head and Associate Professor, Madras Christian College, Chennai and Dr. D. Sathiyavan, Associate Professor,

Department of Econometrics, University of Madras, Chennai. Around 66 outside participants took part in the workshop along with the department staff members. An invited talk on “Scope of Economics” was organized for PG students on 09.01.2020. Dr. Sigamani Paneer, Professor, Central University, Tiruvarur delivered the talk. Budget Discussion 2020 was organized for UG and PG students on 12.01.2020. Dr. S.M. Suriya Kumar, Rtd. Professor, Department of Economics, Urumu Dhanalakshmi College, Trichy was the resource person. Econ Fest 2020 was organized on 21.02.2020. Students showcased their talents in the events like paper presentation, poster presentation, debate, quiz and elocution. Prizes were distributed to the winners.

Department of Commerce

On 26th June 2019 Commerce Association organized the Fresher’s Day. On 27th July 2019 the Commerce Association students participated in college sports day and won the overall championship. An invited talk on ‘Entrepreneurship’ was organized on 16th August 2019. Mr. Sampath Kumar Nandogopalan, EDII Facilitator and CEO of Lad 2 Leader Consultancy and Training Services, Salem was the resource person. On 27th August 2019 the students of Commerce Association were taken to Tirupattur Lake to plant Palm seeds. An invited talk on ‘Customer Relationship Management’ was organized on 12th September 2019 by Dr. J. Ramola Premalatha Head, Department of Commerce, VIT Business School, VIT University, Vellore. On 5th September 2019 Teacher’s Day was celebrated to honour the teachers. An awareness programme on ‘Company Secretaryship’ course was organized by Commerce Association on 27th September 2019 and Mrs. Chitra Anantharaman, Deputy Director, Southern India Regional Office ICSI, Chennai delivered a talk. On 29th November 2019 the students from Commerce Association participated in college cultural fest. The Intra Commerce Competition (ICC) was conducted on 10th January 2020. A National level programme COMMITS was organized on 13th February 2020. A workshop was organized to develop Interview Skills on 20th February 2020.

Department of Mathematics (UG & PG)

Fresher’s Day

The UG Fresher’s Day was celebrated on 08.07.2019 to welcome the first year UG and PG students.

Guest Lecture - I

A Guest lecture was given on 01.08.2019 by J. Aldrin, Ph.D. Research Scholar on “Fuzzy sets and Its Applications”. Research Forum students participated actively.

Invited Talk - I

A talk on “Applied Mathematics” was delivered by Dr. P. Karthikeyan from Vasavi College, Salem. He also spoke on “Artificial Intelligence”.

Teacher’s Day

Teacher’s Day was celebrated on 05.09.2019 to honour the staff members

Guest Lecture - II

The second guest lecture was given on 25.09.2019 by Mr. R. Dinesh Babu, Ph.D. Research Scholar, on “Intresting Facts in Mathematics”.

MATLAB Workshop

In a bid to provide insight into virtual instruments and technical computing, widely used for Industry Academics and Research, we conducted a one day workshop for our PG students and the Students from other colleges to introduce them to the Technical Software Platform, MATLAB" on 25.09.2019. The event served as the culmination of "Connecting the Basic Studies Done by the Students and Practically Observing them by Simulating Them".

Dr. A. George Maria Selvam spoke that the aim of the workshop was to expose the participants to the use of MATLAB. The workshop provided hands on experience with MATLAB software starting from rudiments to the end of designing a circuit". Dr. D. Ezhilmaran, Assistant Professor, Vellore Institute of Technology, had given a lecture on Simulation in MATLAB, introduction about Simulink, the tools available in Simulink library browser, working and usage of the tools in Industrial System as well as commonly used blocks.

Sharing Day

Sharing Day was celebrated on 16.12.2019 in a Children Home at Sagaya Nagar, Tirupattur. The staff members and students of both UG and PG participated eagerly. Our students gave dance performance, shared gifts and gave lunch to the kids in the home.

Film Screening

A Film was screened on 17.12.2019 about how Calculus is used in our daily life.

Guest Lecture - III

The third guest lecture was given on 18.12.2019. The lecture was given by Miss. Divyakumari, on Functional Analysis.

Ramanujan's Day

The Ramanujan's Day celebration was held on 19.12.2019 in honour of our famous Mathematician Srinivasa Ramanujan. Department celebrated the day by conducting different events like Quiz, Seminars, Poster presentation, Rangoli, Drawing, Modelling etc. Nearly 11 events were conducted. All the Students of the department gave their full participation in all the events and they were judged by our staff members from both Shift – I and II. Nearly 120 students got prizes and certificates by winning these events. The valedictory function was held on the same day.

Invited Talk - II

An Invited talk on 'Mathematics and its Applications' was arranged on 25.01.2020 for the PG students of the Department of Mathematics. The resource person was Dr. M. Pichaimani, Assistant Professor, Ramanujan Institute for Advanced Study in Mathematics, Chennai. He delivered a talk and he explained the sets in a simple manner relating to real life examples and how to approach real world problems with Mathematics by explaining kernel and metric on the set and why we should define it and why we have to introduce norm etc.

Invited Talk - III

An Invited talk on 'Fun with Mathematics' was arranged on 28.01.2020 for the PG Students of the Department of Mathematics. The resource person was Dr. J. Prakash, University of Johannesburg, South Africa. His talk mainly focused on how to enjoy life, with Mathematics as our tool.

Invited Talk - IV

An Invited talk on ‘Applications of Mathematical Modelling’ was arranged on 06.02.2020 for the UG (II and III Years) and PG (I Year) students of the Department of Mathematics. The resource person was Dr. K. Ganesamoorthy, Assistant Professor, Coimbatore Institute of Technology, Coimbatore. He delivered a talk on “Applications of Mathematical Modelling Pertaining to the Field of Graph Theory”. He also gave a brief introduction to Graph Theory and how to approach real world problems with Mathematical Modelling Techniques.

Department of Physics

We had the fresher’s day for the 1st years organized by their senior students. Even in the beginning of the month of July 2019 the 1st years were taken for an Industrial Visit to District Science Centre, Vellore by Rev. Dr. G. Theophil Anand. Out of four students seminar spread throughout the year, we had 2 seminars by the students. Various topics like Dark Energy, Aero Dynamics, Black Hole, Astrostat and Probabilistic Universe were discussed. We also had about four invited talks for this academic year. The first invited talk was by Rev. Dr. I. Joe Sanjay, Head, Department of Counselling Psychology, on Power of Human mind with his captivating life experiences. There was an awareness programme by Mr. Arul Pandian AD, TNEB, Tirupattur, on Safety and Usage of Electricity. The outreach programme for the 2nd years was to Pulikuttai under the supervision of Dr. A. Dhayal Raj. It was a good exposure of lab to land experience. A few students from the department went to Kavalur Observatory on 10th August 2020 for a quiz on Astrophysics and had a firsthand experience in viewing through giant telescope over there. As usual the students took part very actively in the annual sports event and won many prizes. In the first week of September there was an intra departmental quiz competition conducted by Mr. D. Daniel Lawrence for the students of all the 3 year classes. In the beginning of second semester the students had their annual cultural fest. Most of the students participated with much enthusiasm and won prizes. In the second week of December for the first time the department inaugurated and organized for all the students of Physics (both Shifts) of our college, a one day Physics Meet with the title ‘Learn Excellent Adventures in Physics’ (LEAP). It was a wonderful platform for the students to show case their scientific knowledge through, essay writing, pencil sketch, quiz and demonstration of experiments. The involvement and performance of the students were highly commendable. This year the students went to Bethel Care Home, Tirupattur for the sharing day. All the students were very generous enough to share stationery items and snacks to all children there. There was short entertainment programme and a few ice braking games.

Department of Chemistry

The Association activities started with fresher’s day for the I year on 26.06.2019. Faculties and students of III year participated. As per the tradition the first programme was dedicated to P.A. Thomas memorial lecture which was conducted on 12.07.2019 and Dr. G. Sankar, Department of Polymer Science, University of Madras, Chennai, delivered a lecture on Recent Advances in Polymer Chemistry and it was enlightening for the students. Rev. Dr. I. Joe Sanjay, Head, Department of Counselling Psychology, Scared Heart College, Tirupattur presented a talk on how to overcome negative thoughts on 23.07.2019 which was well received by students. An Invited Talk on Ecology and Organic Farming & Inauguration of Certificate Course on Organic Farming was given by Mr. Pamayian, Renowned Environmentalist & Writer, on 20.08.2019. Mass Palm seeds plantation at Tirupattur Lake was undertaken on 27.08.2019 by III and II year students along with the bank of Tirupattur

Lake to conserve the Mother Nature and also to preserve the lake ecosystem. Hands on Training Workshop on Glass Blowing with Master Glass Blowers was offered by Mr. Suresh, DRDO, Avadi & Mr. Kesavan Sai Glasses, Hosur with joint collaboration of Chemistry Association, SHC & Rural Society for Advancement of Chemistry (RUSAC). The Teacher's day was celebrated on 05.09.2019 and students expressed their gratitude and appreciation. An industrial visit was made to ISRO, Sriharkota by III B.Sc., students accompanied by the Head of Department on 25.09.2019. An invited talk on "Synthetic Organic Chemistry and Research Avenues in Chemistry" was delivered by Dr. Ramachandran Gunasekar, KTP Associate, University of Liverpool and former JSPS Scholar on 03.02.2020. It was about anticancer application of his novel compounds and also research avenues available. The annual CHEM FEST under the auspices of RUSAC and Chemistry Association, SHC, was conducted on 25.02.2020 with competitions for the UG students and lecture series for PG students.

Department of Computer Science

The Department of Computer Science began its association activities with the secretary election on 21.06.2019. Mr.J. Santhosh Manoj Kumar, III B.Sc., Computer Science has been elected as secretary. The joint secretary was elected on 27.06.2019. Mr. A. Antoni Leo David, II B.Sc., Computer Science has been elected as joint secretary. Fresher's day for I B.Sc., Computer Science was conducted on 08.07.2019 IT Quiz - I (Intra Departmental Competition) was conducted on 11.07.2019. There were six teams with two members in each team. Hands on training on Moodle was conducted on 16.07.2019. Mr. C. Sathishkumar, Assistant Professor, Department of Computer Science was the resource person. Students actively participated. IT Quiz - II (Intra Departmental Competition) was conducted on 09.09.2019.

The 11th State Level Inter Collegiate IT Fest SPACE 2K19 was organized on 18.09.2019. Totally 243 students from various colleges participated. Mr. Xavier, Hewlett Packard Pvt., Ltd., Chennai, (1996 to 1999 Batch Alumni) was the chief guest for the inaugural programme. Mr. Anbuezhayan, State Coordinator, TN Consumer Rights, (1996 to 1999 Batch Alumni) and Mr. Martin Xavier, DXC Technologies, Chennai, (1996 to 1999 Batch Alumni) were the chief guests of the valedictory programme.

Project Methodology-I was conducted on 26.11.2019. Mr. C. Sathishkumar, Assistant Professor, Department of Computer Science was their resource person. It was very useful for the final year students to write project reports. Workshop on Content Management System was conducted on 29.01.2020. Mr. T. Prabakaran, Assistant Professor, Department of Computer Applications was the resource person. Workshop on Online Softwares was conducted on 31.01.2020. Mr. C. Sathishkumar, Assistant Professor, Department of Computer Science was the resource person. This workshop helped the students to acquire knowledge on the online softwares like photofunia photo editing tool, MSN online office tools (Word, Power Point and Excel) and Google applications. Project Methodology-II was conducted on 04.01.2020. Mrs. R. Sandrilla, Assistant Professor, Department of Computer Science has handled the session, on Templates of Project Proposal, Project Plan and System Study with sample.

The Intra Departmental IT Fest Commune 2K20 was organized on 27.02.2020. Farewell for III B.Sc., year students accorded on 28.03.2020. Thanks Giving Day was organized by the department on the last day working day with Holy Mass in order to Thank God, for the blessing showered on us throughout the academic year.

Department of Business Administration

Fresher's day celebration was held on 26th June 2019.

The first invited motivational talk was given by Rev. Fr. Alex, Head, Department of Business Administration, St. Joseph's College, Cuddalore on 25th July 2019. The Department of Business Administration conducted a spiritual direction on 27th July 2019 by Mr. A. Selvaraj Jeyakumar, Assistant Professor, Department of Computer Applications.

On 29th July 2019 Dr. K. Anbalagan, Head, Dept. of Commerce (Shift-II) taught techniques in SPSS which influenced students to learn and apply them in their research activities. Dr. G. Deepalakshimi, Head, Department of Business Administration, M. K. Jain College, Vaniyambadi conducted a Stress Management Programme on 10th August 2019 to the I, II & III year students.

A National Conference on Capacity Building for Rural Graduates sponsored by Wounderla, made the participants acquire various competencies to manage the organizations. On the same day 13th September 2019, the department made MoU with Brindavanam College, Bangalore, St. Joseph's College, Cuddalore, Loyola College, Vetavalam and M.K. Jain College, Vaniyambadi.

On 23rd September 2019, the department had organized a one day seminar on "Competency Mapping." Dr. Sekar, Secretary, NHRD, Hosur was the resource person. Dr. Michal Samson, Associate Professor, St. Joseph's College, gave a career building programme on 9th January 2020.

On 9th January 2020 Mr. Raja, IGNOU study center gave an input session on the basics of computers. The department of business administration conducted an invited talk on Personality Development on 21st January 2020 by Dr. Bushan Sudakar, Head, Department of International Business Pondicherry University. The department organized an intra-departmental competition "Admin Fest" on 6th February 2020. The department organized Inter collegiate competition "SHAPE" on 15th February 2020. On 21st February 2020 a workshop on Team Building was organized by the department.

Department of Biochemistry (UG)

Fresher's day was held on 08.07.2019. The inauguration of the UG Association of Biochemistry was organized on 22.07.2019. The educative pastoral programmes for the academic year 2019-20 were presented. The department level selection of paper and poster presentations for BIOZONE 2019 was organized on 12.08.2019. The participants brilliantly showcased their talents in the competition. Three prizes for the paper presentations and three prizes for the poster presentations were selected for BIOZONE 2019. BIOZONE 2019, A National Seminar on "Role of Nutraceuticals in Human Health (RNHH-2019)" was organized on 27.08.2019. Dr. R. Ravindran, UGC Research Awardee, Head & Associate Professor, Department of Plant Biology and Biotechnology, Loyola College, Chennai and Dr. M. Rajadurai, Assistant Professor, Department of Food Technology, Faculty of Life and Allied Health Science, Ramaiah University of Applied Sciences, MSR Nagar, Bangalore were the resource persons. Final year UG students visited Ideal Analytical and Research Institution, Pondicherry as part of their Industrial visit on 20.09.2019. An invited talk on "Biomaterials and Its Applications" was organized on 14.12.2019. Dr. V. Collins Arun Prakash, Assistant Professor, Department of Chemistry, Sacred Heart College delivered a talk. First year UG students visited Jeppiar Milk Products, Tiruvannamalai. Second year UG students visited Exon Biotechnology and Final year students visited Ramachandra Hospital,

Chennai as a part of their Industrial visits. Hands-on training workshop on Vermicomposting was organized on 17.02.2020 in association with Aswin Biotech, Sokkalampatti, Tirupattur and the workshop was held in their venue. The technical person Mr. M. Ramamoorthy of Aswin Biotech gave hands on training on Vermicomposting. The workshop was very useful to the students. A career guidance programme for the PG students was organized on 24.02.2019 and the resource person Mr. P. Pandian, Assistant Manager, Biocon Biologicals India Ltd., Bengaluru threw light on the career opportunities in life sciences.

Department of Microbiology

Fresher's day and the Department Association inauguration were held on 26.06.2019. Sports Day selection for Annual meet was organized by Dr. K Amala and Dr. R Bright on 01.07.2019. A Talent show - Microchampions was conducted by the department on August 2019 which included several programmes like Quiz Competition, Chess Competition, Rangoli Competition, Speech Competition - English and Tamil, Essay Competition - English and Tamil, Drawing Competition, Photography, Meme Creation, Word Typing, Recent Findings, Dumb Charades and Graphical Mute Competition. Palm seed Plantation Programme was accomplished on 28.08.2019 in Achamangalam Village, Tirupattur and all the staff members actively participated with UG students. There was a Paper, Poster and Model presentation held for the students on 25.09.2019. An International conference for MICROGALAXY-2019 was conducted on 27th September 2019. Several Paper Presentations were showcased by students and staff from all over India. Three prizes for the paper presentations and three prizes for the poster presentations were selected for MICROGALAXY-2019. MICROGALAXY-2019, an International Seminar on "Advanced Trends and Innovations in Life Sciences" was organized and the resource persons were Dr. N. Prithviraj, Senior Scientist, from Shanghai University, China and Dr. P Sivasakthivelan, Assistant Professor, Department of Microbiology, Annamalai University, Tamil Nadu. The UG students visited Pallavalli village for Sharing Day. The students participated in the MICROBIOOLYMPIAD online quiz conducted in the Department of Microbiology. The II year UG students visited AK Mottur for SHAPE programme along with Dr. K. Amala. Students of all the UG courses were taken on an industrial visit on 13th and 20th February 2020.

Department of Social Work

On 2nd July 2019, the fresher's day programme was organized. Rev. Fr. Andrews Raja gave a motivational talk and welcomed the students. Blood Donation Camp was organized by the Department of Social Work in 11th July 2020 in collaboration with the CMC Hospital, Vellore. Student donors from various departments of Shift-I donated blood and was appreciated for the same with a badge and certificate by the CMC Hospital. This event is organized every year by the department to inculcate the practice of Blood Donation among the young generation. On 5th September 2019 the Department celebrated Teachers Day to appreciate the sacrifice and hard work of the teachers; it was made more special by the presence of the Mr. Jawahar Michael (HR of Sun TV Network) and Mr. Raja Samuel (Principal, Madras School of Social Work). As a management practice the Department organized the 5'S Lean Management Workshop on 7th September 2019. Students were trained on how to follow the concept of 5'S that are Sort, Ste in Order, Shine, Standardize and Sustain which will help them in their working place. Intra Forum Sports meet was organized on 9th September 2019 among the Community Development, Youth Development

and Human Resource Management Forum. Sports event was organized to develop team spirit among the students. Winning team was awarded with gifts from the Department. On 23rd November 2019 the students of 2007-2009 batch visited the department and spent some quality time with the present students sharing their knowledge and experience. The sharing day was observed on 16th December 2019. Department of Social Work shared their joy and love with the inmates of Mahatma Gandhi Old Age Home. On 17th December 2019 the department organized Poster Competition on the theme 'Current Social Issues' in which many students participated and the best poster was awarded. Mr. K. Saravana Kumar working as an Employee Success Partner in Sales Force Company gave motivational talk for MSW students on 08th January 2020. The students interacted with him and clarified their doubts regarding Career path. The Department celebrated the Women's Day on 8th March 2020 to appreciate the sacrifice of women and to encourage women empowerment by recognizing the women who achieved in their career and life from nearby villages.

Department of Computer Science (PG)

PG Department of Computer Science Association conducted secretary election on 25.06.2019. Mr. S. Antony Xavier was elected as secretary of the PG computer science. The joint secretary Mr. K. Venkatesan was elected from 1st year computer science. Fresher's day for the First year was celebrated on 12.07.2019 towards welcoming them to the department. During the months of July and August, 10 sessions on communication were conducted for both first and second year students to enlarge their speaking skills and the hands-on training on Bootstrap was conducted for both First year students. Second year M.Sc., Computer Science students had taken various seminars on New Trends in Information Technology during the odd and even semesters which were held on every Tuesday in the afternoon. On 05.09.2019 Teacher's Day was celebrated by the department towards greeting the faculties. State level intercollegiate IT Competition SHARP'19 was organized successfully by the department on 12.09.2019, About 150 College students from other colleges actively participated in SHARP'19 and various events were conducted on that day to exhibit the student's talents in the field of Computer Science. 400 Palmyra Seeds were planted by the staff and students on 13.09.2019 in Tirupattur Lake bund. The Department staff and students visited and celebrated the "Thanks Giving Day" to help out down trodden people in Udhavum Ullangal, Tirupattur old age home held on 16.12.2019. Intra-Department IT Quiz Competition LOGIN 2K20 was conducted on 06.02.2020 for the M.Sc., students. The students and staff visited the 'India Electronics Week, IOT Show' Expo conducted by EFY Group in trade center, Whitefield Industrial Area, Bengaluru for an industrial visit on 14.02.2020.

Department of Biochemistry (PG)

PG fresher's day was celebrated on 12.07.2019. The inauguration of the PG Association of Biochemistry was organized on 22.07.2019. The educative pastoral programmes for the academic year 2019-20 were presented. Department level selection of paper and poster presentations for BIOZONE 2019 was organized on 12.08.2019. The participants brilliantly showcased their talents in the competition. Three prizes for the paper presentations and three prizes for the poster presentations were selected for BIOZONE 2019. BIOZONE 2019, the National Seminar on "Role of Nutraceuticals in Human Health (RNHH-2019)" was organized on 27.08.2019. Dr. R. Ravindran, UGC Research Awardee, Head of the Department & Associate Professor, Department of Plant Biology and Biotechnology, Loyola

College, Chennai and Dr. M. Rajadurai, Assistant Professor, Department of Food Technology, Faculty of Life & Allied Health Science, Ramaiah University of Applied Sciences, MSR Nagar, Bengaluru were the resource persons of the seminar. Final year PG students visited Ideal Analytical and Research Institution, Puducherry as part of their Industrial visit on 20.09.2019. An invited talk on “Antioxidants and its Health Benefits” was organized on 23.09.2019. Dr. R. Bright, Assistant Professor, Department of Microbiology delivered the talk. An invited talk on “Emotions and their Management” was organized on 12.12.2019. Ms. Latha Munuswamy, Counsellor, Sacred Heart College delivered talk. First year PG students visited University of Agricultural Sciences, Bengaluru as part of their Industrial visit on 10.01.2020. Hands-on training workshop on Vermicomposting was organized on 17.02.2020 in association with Aswin Biotech, Sokkalampatti, Tirupattur and the workshop was held in their venue. The technical person Mr. M. Ramamoorthy of Aswin Biotech gave hands on training on Vermicomposting. The workshop was very useful to the students. A career guidance programme for the PG students was organized on 24.02.2020 and the resource person Mr. P. Pandian, Assistant Manager, Biocon Biologicals India Ltd., Bengaluru dwelt upon the career opportunities in life sciences.

Department of Counselling Psychology

Rev. Fr. Mani Lazar SDB, on 20th June 2019 gave an animation skill class to the second year students and he mentioned the skills which we need to develop to handle students. Fresher’s induction programme was held on 1st July 2019, Rev. Dr. I. Joe Sanjay, Head of the Department welcomed everyone and gave an overall introduction about the department. On 11th July 2019 Fr. Sanjay taught the students Conflict Management Skills and Keirsey Temperament Sorter (Psychological Testing). The fresher’s day was arranged by 2nd year students on 12th July 2019, in order to welcome the first year students and to build rapport among students. The second year Counselling Psychology students had the chance of attending workshop on Hypnotherapy by Rev.Fr. Arul Xavier from Krishnagiri – Fountain College from 19th to 21st July 2019. On 25th July 2019 Genogram and Verbatim Writing were taught by Sr. Anthoniammal. Art Therapy was taught by Ms. Latha Munuswamy on 1st August. On 3rd August 2019 the department arranged parents meeting and the staff members explained to the parents, the activities, rules and regulations, of the college and the department and the career opportunity. On 8th August 2019 Rev. Fr. Selvaraj conducted a session on ‘Self-actualization Inventory’ and Mirror Drawing’. Session on Pre-marital Counselling was conducted by Ms. Latha Munuswamy on 13th August 2019. On August 15th 2019, our students took out a procession to Tirupattur Lake to plant Palmyra Seeds. The students attended Healing the Inner Child Programme from 2nd to 10th September 2019, in Anugraha, Dindigul. The resource persons were Rev. Fr. Sundharam Wilson, Rev. Fr. Suresh and Rev. Fr. Sagayaraj. We celebrated Teachers day on 12th September 2019. The Department of Counselling Psychology had taken an effort to create awareness on “World Suicide Prevention Day” on 13th September 2019. The Department of Counselling Psychology, conducted a National Workshop on Art Therapy on 28th and 29th September 2019. Dr. Asha was the resource person. We had taken a significant effort to promote the ‘World Mental Health Day’ which is universally celebrated on 10th October 2019. It was an innovative awareness programme conducted to insist on the importance of mental well-being in today’s scenario. The sharing day of the Department of Counselling Psychology for the academic year 2019-2020 was conducted on 16th December 2019 at SNEHA JYOTHY, Special School for Children with Intellectual Disability, Jamunamarathur, Jawadhi Hills. On 14th December 2019, Mini-Mental State Examination (MMSE), Brief Psychological Rating Scale (BPRS), Vineland Social Maturity Scale Indian Adaption (VSMSIA), and Indian

Disability Evaluation and Assessment Scale (IDEAS) test were taught by Mr. Elavarasan and Mr. Premkumar. On 3rd January 2020 Dr. P. Balasubramanian, Head, Department of Tamil handled a session on Psycho Social Integration. On 28th January 2020 the second year Counselling Psychology students gave a talk on Problems of Adolescent Girls and their Management to our final year UG students. On 24th and 25th February 2020 we arranged Psychological Exhibition. We conducted a certificate course on Learning Disability from 27th to 29th February 2020. Rev.Fr. Paulraj and Mr. Thaddeus were the resource persons. They taught about specific learning disability and the interventions part of handling and giving Counselling from 27th February to 3rd March 2020. We arranged NLP certificate course for our 2nd year Counselling Psychology students in Atamamitra, Kerala.

Sacred Heart Institute of Management Studies

The young and aspiring Sacred Heart Institute of Management Studies nestled under the realm of Salesian convictions and practice. SHIMS always works with the motto 'to make things happen'. Inspired by the thoughts of Don Bosco the Department strives to nurture and develop socially responsible and committed students in every functional management arena. With this thought provocation the Department in the academic year has infused itself into commencing and organizing numerous events that sheds light on the core voices of the department.

In this regard the department organized various programmes and activities to inculcate the business acumen among management student community. To be precise Visit to Shillong, Guest Lectures on Various Management Specializations, Campus to Corporate Training, Career Guidance, 7th and 8th National Level Conference on "Transforming Operational Business to Strategic Business" and "Winning the Global Business War through Artificial Intelligence" were organized. Inauguration of various clubs in the department such as Finance, Marketing, HRM, Operations Management and Hospital Management and they properly functioned on the 6th day order (Club activities like, Mannequin Challenge, New Product Development, Ad-zap, etc...),

As per AIMS invitation and instruction, the Department had "National Management Week" celebrations wherein we conducted Blood Donation Camp, Rural Visit, Palmyra Seed Plantation, Rural Students Guidance Programme, Supporting the Homeless, Aged Persons with Mutual Support, Care and instilled the students to be socially responsible citizen. The department also identified and understood the necessity of providing practical exposure through industrial visit to Ramco Cement Ltd, Hindustan Coco Cola Products Private Ltd, Cavin Care, Britannia Industries Ltd and Madras Atomic Power Station (Kalpakkam). With a need for inculcating practical exposure, the students were motivated to do the field work project in which students gained business experiences, investment ideologies, organizational environment and marketing strategies followed by the corporate to create interests in research publication. With an intention to boost involvement towards collaboration activities, the Department organized international conference in association with Economics and Commerce departments of our college. It made a rapport and new experience in the research activities of these departments. Department had discussion on Union Budget 2020 in which students were divided in to teams to discuss the impacts of it on various sectors and they gained practical knowledge and experience. Employing this teaching learning pedagogy, the department is marching towards benchmarking SHIMS like the other B-Schools in the country, churning up the young management aspirants to be the socially conscious budding managers of tomorrow.

Department of Computer Applications

SHINE (Sacred Heart Informatics Network for Enterprises) provides a platform to showcase the students' talents and technical skills in the field of Computer Science and Information Technology. Association activities are conducted on every 6th day order during the last hour. The students have been grouped into 7 teams with a staff in-charge. The teams were given schedule for presentation. They delivered technical sessions on the latest IT trends such as IT Technical Aptitude, Bit Coin, Cyber Security, Firewalls, Word Press, Edge Computing, Cryptography, Virtual Reality, Flash Tool, Technical Games, Hadoop and Big Data Tools. Each team has made a presentation on Current Technologies, Tools, etc. They conducted Quiz, Discussion, Interview Techniques, etc., between the sessions and the team which performed well was awarded. Thus the students are motivated and given chance to improve their skills like personal skill and technical skills.

The students were also encouraged to participate in the IT Symposium conducted by the various colleges. SHINE association has organized an intercollegiate symposium where 62 students from 10 colleges took part and exhibited their skills. Bishop Heber College, Tiruchirappalli won the overall championship. During this academic year SHINE has organized 5 invited talks by the alumni of our department. Sessions were handled by Mr. Saravanan, Founder of Process Drive on the technical topic "Project Methodology", Mr. G. Lawrence, Assistant Professor, Department of Management Studies on "Soft Skill Development". Annual workshop was held on 27th February 2020. Every year around more than 15 colleges participate in the workshop.

Academic Association Activites (Shift-II)

வீரமாமுனிவர் தமிழ் மன்றம்

தமிழ்த்துறை

27.06.2019 அன்று வீரமாமுனிவர் மன்ற மாணவப் பிரதி நிதிகள், உறுப்பினர்கள் தேர்வு நடைபெற்றது.

19.09.2019 மற்றும் 20.09.2019 ஆகிய இரு நாட்கள் முத்தமிழ் விழா நடைபெற்றது. இதில் தமிழ் நாட்டின் பல பகுதிகளைச் சார்ந்த சிறப்பு விருந்தினர்கள் வந்து கலந்துகொண்டு சிறப்பு செய்தனர்.

12.11.2019 அன்று குறும்படம், ஆவணப் படம் தயாரித்தல் பற்றி அரை நாள் பயிலரங்கம் நடைபெற்றது. அதில் குறும்பட இயக்குநர் திரு.செ.வம்சி கலந்து கொண்டு சிறப்பாகப் பயிற்சி வழங்கினார். மாணவர்கள் சிறந்த முறையில் கலந்துரையாடல் நடத்தினர்.

09.01.2020 அன்று மாணவர் நல்லுறவு கலந்துரையாடல் நடைபெற்றது.

29.01.2020 அன்று துறைகளுக்கு இடையிலான கட்டுரைப் போட்டி, கவிதைப் போட்டி ஆகியவை நடைபெற்றன.

24.02.2020 அன்று வீரமாமுனிவர் நினைவுச் சொற்பொழிவு மற்றும் நிறைவு விழா நடைபெற்றது.

இளங்கலை மற்றும் முதுகலைத் தமிழ் மன்றம்

10.07.2019 'ராட்சசி' தமிழ்த் திரைப்படத்திற்கு மாணவர்கள் அழைத்துச் செல்லப்பட்டனர். பிறகு அதற்கான கலந்துரையாடல் நடைபெற்றது.

19.07.2019 அன்று தேடல் ஆய்வரங்கம் மாணவர்கள் மற்றும் பேராசிரியர்களுடன் நடைபெற்றது.

26.07.2019 அன்று மாணவர்களுக்கான ஆவணப்படம், குறும்படம் திரையிடலும், கலந்துரையாடலும் நடைபெற்றன.

29.07.2019 முதல் 31.07.2019 வரை தமிழ்த்துறை மாணவர்களுக்கு மட்டும் நாடகப்பயிற்சிப் பட்டறை திரு.அறிவழகன் மற்றும் திரு.சுதன் ஆகியோரால் மிகுந்த உற்சாகத்துடன் நடைபெற்றது.

20.08.2019 முதல் 22.08.2019 வரை தேசியப் பயிலரங்கம், இலக்கியக் கோட்பாடுகளும் மறு உருவாக்கங்களும் என்ற தலைப்பில் பன்முக எழுத்தாளர்களுடன் பிற கல்லூரி மாணவர்களுடன் புதுக் கோட்பாடுகளுடன் நடைபெற்றது.

23.09.2019 அன்று தமிழ்த்துறை மாணவர்களுக்கு மட்டும் கலைவிழா ஒரு நாள் நிகழ்வு நடைபெற்றது. அதில் திரு.பெருமாள், திரு தே.சீனிவாசன் ஆகியோர் கலந்து கொண்டு சிறப்பு செய்தனர்.

12.12.2019 அன்று இரண்டாம் உலகப் போரின் கடைசி குண்டு திரைப்படத்திற்கு மாணவர்கள் அழைத்துச் செல்லப்பட்டனர்.

18.12.2019 அன்று திரைக்களம் அமைப்பின் சார்பாக இரண்டாம் உலகப்போரின் கடைசி குண்டு திரைப்படத்தின் இயக்குநர் திரு.அதியன் ஆதிரை அவர்களுடன் மாணவர்கள் தமிழ் சினிமாவின் தற்கால நிலை குறித்த உரையாடல் மற்றும் விவாதம் நடைபெற்றது.

09.01.2020 அன்று மாணவர் நல்லுறவு கலந்துரையாடல் நிகழ்வில் திரு. வெங்கடேசன், உதவிப்பேராசிரியர், தமிழ்த்துறை, ஹோலி கிராஸ் மகளிர் கல்லூரி அவர்கள் கலந்துகொண்டு மாணவர் நல்லுறவு குறித்து சிறப்பான கருத்துக்களையும் அனுபவப் பகிர்வுகளையும் வழங்கி சிறப்புச் செய்தார்.

06.02.2020 அன்று தேடல் ஆய்வரங்கம் மாணவர்கள் மற்றும் பேராசிரியர்களுடன் நடைபெற்றது. அந்நிகழ்வில் பல மாணவர்களும் பேராசிரியர்களும் புதிய நூல்களை அறிமுகம் செய்து விமர்சனம் செய்தனர்.

13.02.2020 அன்று முதுகலை மாணவர்களின் ஒருநாள் தேசியக் கருத்தரங்கம் நடைபெற்றது. அதில் முனைவர் பா.இரவிக்குமார், உதவிப்பேராசிரியர், புதுவைப் பல்கலைக்கழகம் அவர்கள் சிறப்பு விருந்தினராகக் கலந்து கொண்டார்.

15.02.2020 அன்று மூன்றாம் பாலின் முகம் நூலின் எழுத்தாளர் தோழர் பிரியாபாபு அவர்களுடன் கலந்துரையாடல் நிகழ்வு நடைபெற்றது. அந்நிகழ்வில் மாணவர்கள், பேராசிரியர்கள் கலந்து கொண்டனர்.

25.02.2020 மற்றும் 26.02.2020 ஆகிய இரண்டு நாட்கள் திரைக்கதை எழுதப் பயற்சி வழங்கப்பட்டது. அந்நிகழ்வில் திரைப்படத்துறையில் உதவி இயக்குநராக பணியாற்றி வருகின்ற கவிஞர் பிருந்தாசாரதி அவர்கள் கலந்து கொண்டு மாணவர்களுக்குத் திரைக்கதை எழுதும் பயிற்சியினை வழங்கினார். இதில் மாணவர்கள், பேராசிரியர்கள் கலந்து கொண்டனர்.

Department of English (UG & PG)

The Workshop on Theatrics was organized by the Department of English in collaboration with MNI of SHC, from 08.07.2019 to 12.07.2019 for five days. The resource persons were Mr. Thirunavukkarasu, from National School of Drama, New Delhi, Dr. K. Parthibaraja, and Mr. Kumanan. There were 70 participants from the students.

Workshop on Art of Spelling was organized on 23.07.2019. For the first time, the department of English organized a workshop for all the first year UG students. Prof. Dr. Karthik Kumar, Associate Professor, Department of English, Annamalai University, Chidambaram, was invited as the resource person. He described the origin of English words, spelling and their pronunciation of English.

Skill Management Programme was held on 01.08.2019. The motif of the programme was to enhance the skill development of the students. Rev. Dr. I. Joe Sanjay and Rev. Fr. Mani Lazar from Department of Counselling Psychology were the resource persons. The sessions were interactive and highlighted on the Power of Human Mind and Learning Styles.

Workshop on Sentence Formation was held on 03.09.2019. Prof. Leo Maria Francis was the resource person. This workshop was meant for all the UG second year students of the college. Students were motivated to learn sentence types and formation. It included the language activities too. It was useful and informative.

English Language and Literature Inspired Talent Expression at Sacred Heart College (ELLITES), State Level Inter- Collegiate Competition was organized for the year 2019- 20.

Rev. Fr. P. M. Thomas IAC was the rolling trophy given to the college that secures the overall championship. The programme was structuralized with ten different events. The judges of the on stage events were Dr. P. Selvakumar, Head, Department of Tamil, Shift-I, Mrs. Amala, Mr. Jawagar. Rev. Fr. A.M. Mathew, Prof. V. Madhankumar, Prof. A. Sangeeth Kumar, Prof. S. Vimal Raj and Dr.D. Joy Christina were the judges for off stage events. Students from various colleges actively participated and experienced the toughest literary contest. The overall championship was won by Auxilium College, Vellore. The curtain rolled down with happy ending.

An invited talk was organized on ‘Salman Rushdie’s Fiction’ on 23.09.2019. Around 100 PG students attended the seminar. Dr. Gabriel, Assistant Professor, Department of English, Auxilium College, Vellore was the resource person. She talked about Rushdie’s use of English language and his narrative techniques.

The LITWEEK 2019 was celebrated from 09.12.2019 to 13.12.2019. The objective of the LITWEEK was to engage students in bringing out their talents in literary background, developing their language and literature skills. The competitions of the LITWEEK included Short story writing for I B.A. English, Soliloquy for second year students and Skit for III B.A English, Mime for I M.A. English and Debate for II M.A English.

On 18.12.2019, the Dept. of English organized an invited lecture on Recent Trends in African - American Literature. Dr. Mythily, Associate Professor & Head, P.G. Dept. of English, Thiruvalluvar Govt. Arts College, Rasipuram was the resource person. The session envisioned about the themes and recent studies involved in the writings of African – American literature.

The Sharing Day of the Department of English for the academic year 2019-2020 was held on 16.12.2019 at Government Middle School, Yelagiri Village, Jolarpettai, Tirupattur District. Mr. D. Louis Sahaya Henston, Ms. U. Anto Maria Eusobia, Mr. S. Saravanan, and Ms. S. Sofia Selvarani and the final year students, the representatives of I BA, II BA and I MA English were present there. The students of SHC have entertained the school students with song, dance, skit and Mind games. Thirukural books, Pens and Stationery items, Cake and Clothes were shared with the students.

Invited talk on Media and Literature was organized on 18.02.2020. Rev. Fr. Arockia Doss, OFMCAP, Anugraha, Dindugul was the resource person. He delivered a talk on the bond between media and literature. He incorporated his intelligence through his talk which made the students grasp the essential ideas on both the concepts and its link.

A Seminar on Art of Narration was conducted on 19.02.2020 for all the Second Year UG students of Shift-II. It focused on the aspects of narration especially Techniques, Grammar patterns and Reporting. The resource person for the seminar was Dr. A. Mary Diayana, Head, Department of Social Work, CTTE College for Women, Perambur.

A Conference was organized by the students of Department of English on two various sessions: Post Colonialism and Reservation in India on 26.02.2020. Dr. Samuel Rufus, Associate Professor, Department of English, Madras Christian College, Chennai and Dr. Ezhilan, Physician and Social Activist, Chennai were the speakers and resource persons of the day. The students were enlightened by the sessions.

Workshop on Travelogue Writing was organized on 28.02.2020. Dr. Kathiresan, Associate Professor, Department of English, Thiruvalluvar University was the resource person. The workshop was very useful for the students by focusing its lime light on Travel experience, the aspects of language in Travelogue writing. It was a good hands on practice by making them write.

Department of History

Apart from the fresher's day celebration, the association planned four programmes for the academic year 2019-2020.

A talk was organized on 26th September, 2019 Dr. D. Leslin, Head, Department of History, had spoken on What is History? In which he briefly stretched about how the idea of history first emerged and how it got changed over a period of time. He had given the emphasis to its present understanding of the comprehensive or people's history.

A second talk was organized on 16th October, 2019. In which Dr. K. Mohanasundaram, Professor (Rtd.), Department of History, Islamia College, Vaniyambadi spoke on the topic of History and its Relevance.

The third programme of the association was an invited talk on 10th October 2019 in commemorating the "World Human Rights Day". Ms. P. Suseendhira, Doctoral Research Scholar, School of Criminology and Criminal Justice Administration, Tamil Nadu Open University, Chennai, delivered a talk on Understanding the Human Rights through the Lens of Gender.

The fourth programme was a special talk which was organized on 04th January 2020 to commemorate the National Voters' Day. This talk was given by Dr. D. Leslin, Head, Department of History.

Department of Commerce (UG & PG)

An "Intra Department Competition on Paper Presentation" was conducted by the Department, for the UG and PG Students on 31st July 2019. PG (9) & UG (11) students presented papers in various concepts. Dr. A. Arockia Mary, Assistant Professor Department of Buesiness Administration and Mr. B. Seenivasan, the Assistant Professor, Department of Commerce (CA) were the resource persons for the competition.

An Orientation Programme on "Tally with GST" was organized by the Department, for the UG and PG Students on the 20th August 2019. Students gained knowledge on Usage of Tally and Opportunity by using GST. Resource Persons for the programme were Mr. S. S. Murthy, Tally Training Partner, CSC Computer Education Pvt. Ltd., and Mr. M. Meyyappan Gandhi, Assistant Regional Manager, Tally Education Pvt. Ltd., Bangalore.

A special Invited Talk on "Competitive Examinations" was organized by the Department, for the UG and PG Students on the 25th September 2019. Resource person for the session was Mr. S. Suravel, Director, Success TNPSC Coaching Centre, Vaniyambadi.

An "Intra Commerce Fest (ICF-2K19)" was conducted by the Department, for the UG Students on 18th December 2019. More than 60 students participated and won the prizes in various events. Three on stage events and two off-stage events were conducted namely, Logo Identification, Commerce Quiz, For and Against, Movie Making and Product Launching. For each event separate shield was given to the winners.

A National Seminar on "Impact of Cash to Cashless Business in India" (Opportunities & Challenges) was conducted by the Department, for the UG & PG students on 30th January 2020. There were totally 446 participants from 15 other colleges (with 24 different departments) and The UG and PG classes of our Department participated in this seminar and 11 students presented their papers. Felicitation Address for the programme was given by Rev. Dr. K. A. Maria Arokiaraj, Additional Principal. The Technical Session-I was taken over by Dr. N. Suresh, Professor, Department of Management Studies, Ramaiah University of

Applied Sciences, Bengaluru. Technical Session-II was taken over by Mr.R.Veerappan, Head, Department of Business Administration and the Technical Session-III was taken over by CA. T. Pothi Madhavan, Chartered Accountant, Nungambakkam, Chennai. Certificates to the participants and the prizes for the winners were distributed by the resource person, CA. T. Pothi Madhavan at the valedictory session.

The 2nd and 3rd years students of our department had gone on an industrial visit to “Chennai Trade Centre” Nandambakkam, Chennai, on 11.02.2020 along with Dr. G. Devi, Mr. G. Rajkumar and Mrs. M. Sangeetha. They visited the following places in that campus (VIP Rooms, Lobby & Banquet Halls used during Trade Fairs; Media Room, Meeting Room, Green Rooms for the Business People and Exhibition Halls etc.). It was a high quality experience for the students. Then, they went to “Mahabalipuram” to visit the Temple, Monuments, Museum, and Lighthouse and also they went shopping.

An ‘Intra Department Quiz’ was conducted for the UG Students in our department on all the current subjects to update their knowledge. The course teachers conducted quiz in their concerned subjects. 1st, 2nd and 3rd prizes were distributed to the prize winners during the Department Prayer by our staff members on 14.02.2020.

An “Inter Collegiate Competition - CONFLUENCE 2K20” was organized and conducted by the PG Department of Commerce on 25th February 2020. Totally 100 students participated from 8 colleges (with 14 different departments). Inaugural Address for the programme was given by Rev. Dr. K. A. Maria Arokiaraj, Additional Principal. On-stage events were conducted by the concerned organizers in the following order: 1. Just A Minute; 2. Logo Identification; 3. Business Quiz; 4. Identifying Personality; 5. Connexion: Simultaneously, the off-stage events were also conducted by the concerned organizers in the department, viz., 6. Stress Management 7. Movie Making. Mementos were distributed to winners of the 1st, 2nd and 3rd places of the individual events. Certificates were distributed to the participants and winners of the all individual events.

Department of Mathematics (UG & PG)

The Department of Mathematics commenced the association activities by conducting fresher’s day for both UG and PG students on 2nd July 2019

Dr. Maria Joseph, Assistant Professor, Department of Mathematics, St. Joseph’s College, Trichy, delivered an invited talk on “Series and Sequences: A Geometric Approach” to the UG and PG students on 2nd August 2019 which was organized by Dr. B. Chandrasekar and Mr. M. Thanigajalam. On 6th and 19th September 2019, written Quiz and Oral quiz on non-verbal reasoning were conducted for the UG and PG students separately for refining their Basic knowledge in Mathematics under the supervision of Dr. B. Govindan and Mr. D. Arun.

Dr. Suresh Elumalai, Post Doctorate Fellow, University of Haifa, Israel, delivered a talk on “Introduction to Chemical Indices and Graph Energies” for the PG students on 23rd September 2019.

A Workshop on MATLAB was jointly organized with the Department of Mathematics (Shift-I) on 25th September 2019 for the PG students for which Dr. D. Ezhilmaran, VIT, Vellore was the resource person. On 26th September 2019, Mrs. S. Savitha, Assistant Professor organized Talent Hunt for PG and UG students to bring out the hidden abilities of students. We also conducted Student Seminars for the PG students on 10th December 2019.

Ramanujan's Day which is observed on 18th December 2019 was organized by II M.Sc., students of our department under the guidance of the faculty members. The whole Department was divided into seven teams and various events such as play with alphabets, Silent Killer, Flying Formula, Luxury Budget, Mind Booster, Holi Run, Memory Game and Letters VS Numbers were conducted.

An International Conference on Mathematical Sciences and Applications was organized in collaboration with the Academia for Advanced Research in Mathematics during 27th - 29th February 2020. On 15th February 2020, a workshop on MS Office was organized for the UG students for which Dr. Kriushanth, PG Head, Department of Computer Science, Don Bosco College, Yelagiri Hills was the resource person.

The department magazine OMEGA-2020 was released during the fourth week of March 2020.

Department of Physics (UG)

The fresher's day celebration for I UG was organized in the Department of Physics on 2nd July 2019. The II and III year UG students along with the staff members formally welcomed I year UG students. The birth anniversary of Prof. Vainu Bappu was celebrated at Vainu Bappu Observatory, Kavalur on 10th August 2019. This year totally 10 students from UG participated in this event. They have organized many programmes such as Quiz, Paper presentation etc. Our students M. Ezhilarsan and U. Thenarasu won First prizes for paper presentation.

Students' Seminar was organized in the department on 21st August 2019. The following students participated in this seminar. Peroskite Materials and Its Applications by M. Ezhilarasan, Paradox Theorem by R. Chandru and Universe by V. Gayathiri. All the students of I UG Physics were taken to Brila Planetorium, Chennai and II UG students went to Dr. A.P.J. Abdul Kalam Planetorium, Puducherry for an Industrial Visit on 13th September 2019. Teacher's day celebration in the department of Physics took place on 5th September 2019.

State level seminar on Material Science and Its Applications was held at Auxilium College, Vellore on 30th September 2019. In this 15 UG students participated and won prizes. Student's seminar was organized on 6th December 2019. The following students participated in this seminar, Chandrayaan 2 by E. Uma Mageswari, astronomy and cosmology by R. Dinesh, Large Hadron Collider by V. Shanmugapriya, and Teleportation by C. Vibinchandirapaul. On 16th December 2019 during the sharing day, all the 3rd year students along with Head and staff and a few students from 2nd year and 1st years went to the Pichanoor village and shared happiness with them.

National seminar on Material Synthesis and Characterization was organized in the department on 27th January 2020, and the special invited speakers were Prof. P. Ramasamy, Director, SSN Research Centre, Chennai, Prof. Elangovan, Periyar University Salem, Dr. M. Srinivasan, Dr. K. Gunasekaran, Centre of Advanced Study, University of Madras, Prof. N. Sanmugam, Maylladuthurai. It was interactive and very useful sessions for students. All the students of III UG Physics were taken to Radio Astronomy Centre, Udthagamandalam on 7th February 2020, and Staff accompanied the students. The special invited talk was organized on 14th February 2020. It was on Energy Science by Dr. Thangappan, Periyar University Salem.

Department of Physics (PG)

The PG Physics association activities for the academic year 2019-20 started with fresher's day celebration. The senior students welcomed the 1st year students and made them feel at home. Rev. Dr. G. Theophil Anand inspired the students with his thoughts.

The PG Physics Association has made an effort to develop the research culture among the students and organized a guest lecture on the topic "Nanostructured Materials: Current Trends and Future Challenges" by Dr. K. Kaviyarasu, UNESCO-UNISA Africa Chair in Nanoscience's / Nanotechnology Laboratories, College of Graduate Studies, University of South Africa (UNISA), South Africa. He clearly explained the applications of nanomaterials in all the fields.

This year a special lecture was organized on the topic, Nanomaterials for NLO Applications by Dr. Sakthisabarimoorthi. It was a very interactive and useful session for the students. The PG students visited sophisticated analytical instrumentation facility at Indian Institute of Technology, Chennai. The scientists and the faculty in-charges explained the functioning and handling of instruments like HRSEM, NMR, UV, FTIR, Raman, VSM and PL.

On September 5th teacher's day was celebrated in the department. Students showed their love and respect towards their masters. Learn Excellent Adventures in Physics (LEAP) was inaugurated and conducted during this academic year. Using this platform students showcased their scientific knowledge through, essay writing, pencil sketch, quiz and demonstration of experiments.

The sharing day was celebrated in IELC Mans School for Mentally challenged students, Bargur. 90 students are studying in the school. Our students joined with them and had a great time with the students and they had their lunch with them. Students conducted action games and songs and provided meals and gifts to the students. On 27th January 2020, the department organized a one day National seminar on Materials Synthesis and Characterization. Prof. P. Ramasamy, Director, SSN Research Center, Dr. T. Elangovan, Department of Energy Science, Periyar University, Dr. M. Srinivasan, SSN Research Centre, Dr. K. Gunasekaran, Associate Professor, University of Madras and Dr. N. Sanmugam, Assistant Professor, Dharmapuram Gnanambigai Government Arts College, Mayiladurai were the speakers for the seminar.

On 7th February 2020, as part of the education students visited the Tata Institute of Fundamental Research, National Centre for Radio Astrophysics, Ooty. Students experienced important of radio waves, and its production. Further, they knew how these radio waves can be useful in astronomical research.

Department of Chemistry (UG & PG)

We conducted following programmes for the UG and PG Chemistry students (Shift-II). Fresher's day celebration was held on 12th July 2019, to welcome the newly joined students from various schools and colleges in the presence of HOD's and staff members. Rev. Fr. P. A. Thomas Memorial Lecture programme was organized on 15th July 2019 with resource person, Dr. G. Shankar, Assistant Professor, Department of Polymer Science, University of Madras. This lecture created much awareness on polymer processing and recycling without affecting environment among student community. An invited talk was organized with the resource person, Rev. Dr. I. Joe Sanjay, Head, Department of Counselling Psychology. The main theme of the talk was "Overcoming Negative Thoughts". In association with Rural Society for Advancement of Chemistry (RUSAC) a "one day work shop on Glass Blowing

Technique” was organized on 28.08.2019. This workshop was organized for motivating students to know about the art of glass blowing. Mr. Rathakrishnan and Mr. Suresh were invited as the resource persons. The programme was well attended by 120 students from both the host institution and as well as from the neighbouring Colleges in and around Tirupattur and Vellore regions. Students were given demonstration and hands-on training to blow the glass materials in different shapes and sizes of choice.

In order to gain the outcome of the scientific findings, B.Sc., final year students from Shift-I & II visited Indian Space Research Organization (ISRO), Sriharikota, Andhra Pradesh along with faculty members Dr. S.R. Xavier Rajarathinam, Head, Mr. A. Nepolean Raj, UG Head, Shift-II and Dr. N. Vilvamani, Association President (Shift-II) on 25.09.2019. M.Sc., students visited Dr. Milton’s Laboratory, Puducherry.

In order to create an importance on the Electronic Studies of Coordination Complexes, Prof. M. N. Arumugham, Department of Chemistry, Thiruvalluvar University gave an invited talk on “Term Symbol, Electronic Spectra and Magnetic Properties of Transition Metals”. The session was held on 25th January 2020 and was attended by PG students.

To motivate the student community, Dr. Ramachandran, KTP Associate, University of Liverpool, United Kingdom gave an invited talk on the topic, “Synthetic Organic Chemistry and Its Research Avenues” on 3rd February 2020 and he projected the available opportunities for chemistry degree holders and motivated the student community

Finally, CHEM FEST 2020, an Inter collegiate programme was organized on 25th February 2020 to show the importance of Chemistry subject and to share chemistry knowledge and ideas.

Department of Computer Science

Fresher’s Day

To help juniors to mingle with seniors and form a splendid coordination ‘Fresher’s Day’ was organized on 2nd July 2019.

Prayer Service

To enhance the inner lives of the students a spiritual animation programme was organized on 11th July 2019 for all the students. Bro.Casmir Joseph from Salesian Community animated the students.

Aptitude Session

An aptitude test is an important part of the screening process for potential employers. Mr. D. Adhiyaman, Assistant Professor, Department of Computer Science conducted classes in the month of July 2019 for the III Years.

Seminar on Artificial Intelligence

A special lecture on ‘Artificial Intelligence’ was organized on 21st August 2019. Dr. M. Saseekala, Assistant Professor, Department of Computer Science, M.G.R Arts and Science College, Hosur, explained the creation of intelligent machine that works and reacts like human.

Google Apps

On 4th September 2019 a demonstration lecture on Google apps was organized for the III year. Mrs. C. Dharmadevi, Assistant Professor, Department of Computer Applications demonstrated how to use various apps like Google Drive, Google Office (Doc, Spreadsheet

and Slide), Google Alert, Google Blog, Google Blogger, Google Translator and Google Calendar.

Teacher's Day

Students organized "Teacher's Day" on 5th September 2019 to show their gratitude for their teachers.

SPACE 2K19

"State Level Intercollegiate IT Meet-SPACE 2K19" was organized on 12th September 2019. Students from various colleges participated in the IT meet. Various on stage events and off stage events were conducted. The winners were awarded with Certificates and Cash prizes.

Seminar on Python Programming

To develop programming skills a special lecture on 'Python Programming' was organized on 18th September 2019. The session was taken by Mr. N. Sakthivel, Assistant Professor Adhiyaman College of Engineering, Hosur.

Knowledge Sharing (Student's Seminar)

Students came forward and shared their knowledge on various concepts of Computer Technology on 11th February 2020.

Commune 2K20

An "Intra-collegiate IT Meet-Commune 2K20" was conducted on 26th February 2020. It was a meet through which students were able to show their skills in the field of Computer Science.

Seminar on IOT (Internet of Things)

A special lecture on IOT was organized on 27th February 2020. Mr.Nishanth, Programmer, Bosco Soft, Yellagiri Hills was invited as resource person. His talk created awareness among students about IOT and how the IOT technology is bringing a large number of day to day objects into digital fold to make them smarter.

Industrial Visit:

III Year students visited BSNL, Chennai and learnt the concepts of network in Data Communication on 8th February 2020. II year students visited JSA web solution, Bengaluru on 28th January 2020. They learnt how the e-waste can be refurbished. I year students went to IOT Expo, Bengaluru on 14.02.2020 and understood the importance of IOT

Department of B.Com (Computer Applications)

A "One Day National Seminar on Young Entrepreneurship Development" was organized by B.Com CA department on 28.08.2019. Prof. V. C. Malarmanna, Principal and Dean of Nalandha School of Business, Trichy, delivered a lecture on "Opportunities to Become Global Entrepreneurs". Prof. M. Sudha, Head and Assistant Professor, Department of Management, Acharya Institute of Graduate Studies, Bengaluru, addressed on the topic of "Trends and Opportunities for Women Entrepreneurs". Rev. Fr. J. Andrews Raja, Assistant Professor, Department of Social Work, covered on the "Entrepreneurship – Perspectives, Problems and Prospects". The valediction of the national seminar was presided over by Rev. Dr. G. Theophil Anand, Vice Principal, (Administration Shift - II), who also distributed the certificates to the participants.

III B.Com (CA) students along with two faculty members went to Chroma Print Private Ltd., Coimbatore on 27.09.2019. 64 students benefited out of this the industrial visit.

Invited Talk on “Block Chain Technology” was organized on 17.12.2019. Mr. Vinoth, MCA Speaker Space, Block Chain Engineer, SENSIGO Technologies delivered a lecture on the Block Chain Technology in the first session. The students questioned about the applications, privacy and security in the block chain technology. Miss.Swetha Mishra B.E. during second session Block Chain Engineer, MuGenesys, and Mumbai through video conferencing, shared about Private Block Chains and its Applications in detail.

A two day workshop on “Photoshop” was organized by the Department of B.Com (CA) on 03rd and 4th February 2020. The students of 3rd year, Non-Major Elective (BCA) and the 2nd year of B.Com (CA) participated. Mr. D. Adhiyaman, Assistant Professor, Department of Computer Science gave a brief introduction to Photoshop and Various Kinds of Tools and their Uses.

Industrial Visit II & III B.Com (CA) students along with four faculty members went to Coca Cola Private Ltd., Chennai on 21.02.2020. 64 students benefited out of this visit to the industrial visit.

The National Level Workshop on ‘Multimedia Tools’ was organized by Department of B.Com (CA) on 18th February 2020. The workshop covered the area of Photoshop and its after effects. Our college students taught software skill to other college students.

The Inter-Collegiate Competition titled “COMCAP 2020” was organized by the Department of B.Com (CA) on 25th February 2020. The programme consisted of seven (7) events like Quiz, Innovative Launching, Slogan Logo Ambassador Identification, Master mind, Face painting, Young Parliament.

A “Mock Interview” for final year students of B.Com (CA) was conducted on 27th and 28th February 2020. Totally 66 students got benefited by attending the mock interview and they learned to attend interview in future.

Department of Computer Applications (UG)

The Association of BCA provides a platform to showcase the students’ talents and technical skills in the field of Computer Science and Information Technology. A session on learning styles was organized by subject expert. Experts from IT industry were called to share their knowledge and expertise in recent trends in Information Technology.

This year a national workshop on Apache KAFKA was organized on 29th August 2019. We had 392 (297 External, 95 Internal) participants from 24 colleges. The resource persons were our own faculty members. Rev. Dr. K.A. Maria Arokiaraj, Additional Principal presided over the function and gave the presidential address. Rev. Dr. G. Theophil Anand, Vice Principal delivered the valedictory address and distributed certificates to all the participants.

Intercollegiate IT symposium was organized by the department on 30th January 2020 and we had 322 external participants from various colleges.

A seminar on “AI in Test Automation” was delivered by Mr. Jose Nishanth from Bosco Soft, Yellagiri Hills on 9th January 2020.

Apart from the regular association activities – the department organized intra departmental IT Quiz, trained the students to take part in various IT symposiums and spiritual animation was organized to thank God for all the blessing. As a part of industrial visit the students of I BCA and II BCA paid a visit to IoT show in Bengaluru and gained knowledge in Internet of Things.

Groups & Movements (Shift-I)

All India Catholic University Federation (AICUF)

AICUF activities for the year 2019-2020 began in the month of June 2019. The first meeting was held on 21st June 2019 to select the office bearers. L. Balaji from Commerce department and Alwyn from Computer Science Department were selected as the secretaries of the association. Elavarasi from Microbiology department was elected as women's secretary. On the 8th July 2019, the AICUF students were animated by the EX-AICUFERS about the roles and functions of AICUF.

According to the year plan, every Monday the Aicufers gathered and had group discussions on socially relevant topics. On 15th July 2019, a debate was conducted on the topic "Merits and Demerits of Social Media". Dr. A. Prabhu, Asst. Prof., Department of Tamil, was the moderator. On the 30th July 2019, the students organised a Signature Campaign against the New Education Policy implemented by the government. On the 15th August 2019, students participated in the Palmyra seed plantation organised at the college level. On the 30th August 2019, five students from AICUF took part in the Nilgiris Landslide Relief camp, volunteering themselves to support the cause of the bereaved.

On 9th September 2019 AICUF organised an Inter Collegiate National Level Workshop on Leadership Training. Certificates were issued to all the participants. The National Advisor of AICUF inaugurated the workshop, and oriented the students. Writer and activist Ms. Damayanthi delivered a talk on women empowerment. Dr. P. Balasubramanian, Head, Department of Tamil, delivered a talk on the necessity of students becoming aware of politics and becoming leaders themselves.

On 21st September 2019, the Secretaries of AICUF took part in Leadership Training Camp at St. Joseph's College. A debate on Citizenship Amendment Act was organized on 06th January 2020. Dr. Mohan Gandhi, Asst. Prof., Department of Tamil, was the moderator.

ECO Club

The Eco Club unit of SHC plays an important role in creating awareness the need for environment conservation among the youth.

The objectives under this unit are:

To motivate the students to keep the campus and nearby areas clean and green by undertaking afforestation programme.

To make students understand the concept of Reduce, Reuse and Recycle (3R) for minimum waste generation and conserve energy.

Creating awareness to minimize use of plastics and their related problems.

With the above objectives the unit planned and executed the following activities for the year 2019-20. On 09.07.2019 a special talk on Organic Farming and its Benefits was conducted with an organic farmer who elaborated about roof-top garden and benefits of organic farming. Special workshop on 17.08.2019 "Crafts from Palm Tree" was conducted to train the students on crafts that can be made from Palm-tree fibres. On 17.08.2019 a Massive Tree plantation and Seed ball throwing" nearby Tirupattur town was carried out to bring massive afforestation around the Tirupattur town. The seed balls were made in house by students. Every year Ecosystem audit of Sacred Heart College campus is carried to measure the green cover in the campus. The ratio of built area to the greenery in the campus is audited and

necessary steps for plantation are taken. On 26.08.2019 a lecture on Healthy Food & Lifestyle in association with red ribbon club was organized and a lecture was given by Government Siddha doctors. On 23.09.2019 a lecture on Donate Blood and Save Life was organized with a senior lab technician from CMC Hospital. He explained the various blood group types and the benefits of blood donation. On 14.10.2019 a talk about Classification of Herbal Plants for Herbal Garden was given by Dr. R. Jude Vimal Michael, Assistant Professor, Department of Chemistry. On 30.01.2020 a lecture on Geographical Indication Tag and Intellectual Property Rights was given by Dr. A. Prabu, Assistant Professor, Department of Tamil. He explained the need for IPR and GI tag since the rights of people are guarded.

Fine Arts Report

Fine Arts is one of the groups and movements which is responsible for the preparation of backdrop and organization of programmes of the college. Fine Arts organized the inauguration of the academic year 2019-20 on 17th June 2019 and the inauguration of Associations and Groups & Movements on 4th July 2019. Inauguration of PG classes also was organized on 1st July 2019. Fine Arts prepared the backdrop for the Sports Day and the feast of Sacred Heart of Jesus. Heart Beat 2019, the Cultural Festival of our college was held on 29th November 2019. Mr. Ekadesi, a renowned lyricist cum Director in the cine field, 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. The number of offstage events was increased to include Face painting, poster presentation in addition to fifteen events organized last year, to give chance to more students to participate in the events. Department of Computer Science won the championship for boys and Department of Mathematics won the championship for girls. The event management for the Community Day and Pongal celebration held on 11th January 2020 was also done by Fine Arts in which Rev. Dr. C. Antonyraj, the Rector was honoured. All the Salesians in the campus, non-teaching staff and students participated in the cultural events,

The 69th College Day was celebrated on 1st February 2020 in the open ground, which is an important annual fete. Mr. K. Ravi, Senior General Manager, TVS Motor Company Ltd, Hosur was the chief guest. Rev. Dr. D. Maria Antony Raj, Principal presented the annual report and the chief guest delivered the College Day address and distributed prizes to those students who excelled in their studies and sports. The event was managed by the Fine Arts team. The retirement function of Dr. S. Paul Raj, Head, Department of Social Work was held on 7th February 2020. The retiree was honoured on behalf of the college management, teaching staff, non-teaching staff and student community. Dr. S. Paul Raj shared about his several years of life in the college and the students of Social Work Department presented the cultural programmes. The Fine Arts prepared the backdrop for the Valedictory of Associations which was held on 29th February 2020 in which the activities of all the academic and non-academic associations were summarized and presented. The student office bearers of the associations laid down their insignia as a symbol of conclusion of their office. The valedictory address was delivered by the chief guest and the Fine Arts team managed the event.

Maatru Naataka Iyakkam (MNI)

MNI organized workshops on acting and stage management during this academic year. “Punitharai Thedukirrom” and a new play “Charandoss Thirudan” were performed this year.

MNI participated in 3 Theatre Festivals namely, 1. South Indian People Theatre Festival organized by Tamil Nadu Progressive Writer and Artists Association, held at Kerala Samaajam, Chennai. 2. Veethi Cultural Festival, Organized by Students Support Center held at Loyola College, Chennai and 3. Pongal festival organized by STEP Foundation, held at Aspee Auditorium, Malad West, Mumbai.

MNI jointly organized theatre workshop for students at SKN Arts and Science College, Satur and Government Women's College, Kumbakonam. MNI conducted a play writing workshop for College Teachers and Research Scholars in collaboration with Government Women's College, Kumbakonam.

Media and Consumer Forum

Ms. K. Tharani (Secretary) and Mr. V. Aravindan (Joint Secretary) were elected as office bearers of Media and Consumer Forum for the academic year 2019-20. Volunteers of Media and Consumer forum were welcomed and animated in July. The Resource persons for this academic year were, Dr. P. Selvakumar, Dr. P. Balasumramanian, Dr. S. Sasikumar and Dr. C. R. Christi Anandan. Students had organised various events such as Debates, group discussion etc. In the month August on 15th all the groups and moments of the college undertook the sowing of Palmyra seed on the bank of Tirupattur Lake. Our group sowed 250 seeds on the bank of Lake. On 30th January 2020 Dr. A. Prabu, Assistant Professor, Department of Tamil emphasised on the importance of Geographical Indications in IPR and Dr. S.A. Martin Britto Dhas, Nodal Officer, IPR Cell of SHC unit, highlighted with how to file the GI and other services under IPR Cell in SHC. The students prepared short films on social issues and they were screened. On 04th February 2020 all the volunteers took part in the events and exhibited their skills and talents.

National Service Scheme (NSS)

“The International Day of Yoga”

The international day of Yoga was celebrated on 21st June 2019 with lots of energy and enthusiasm by the students of our college. Two functions were organized simultaneously in two different halls in the college campus with two different meditation groups namely Heart Fullness Meditation and Bramakumari Rajayoga Meditation.

In her key note address the chief guest of the day Mrs.Suseela Bramakumari the trainer started with the knowledge of mind, heart and body. She interacted with the students and made them participate in the discussion of mind and body. She exhorted the students to participate actively in any physical activity so that the mind gets fresher. At the end of the session the chief guest conducted a session of Raja Yogam of Bramakumaris. Around 200 students and staff participated and benefitted from this new meditation technique.

“Clean India” Pledge

Dr. M. Antony Arockiasamy the NSS Programme Officer introduced the “Clean India” drive to all the NSS volunteers on 30th July 2019. He told them about the need for keeping personal, family and surroundings clean so that it can reach to village and town and society at large. He also explained the need for taking a pledge and its importance in keeping the vow. Dr. G. Mohan Gandhi shared his views on cleanliness and urged the volunteers to contribute to the society positively. Dr. U. Ramesh led the gathering to take the “Clean India” Pledge.

All the NSS programme officers and volunteers swore boldly to keep the surroundings clean and to help others also to keep the cleanliness.

“Campus Cleaning Drive”

In view of “Swatch Bharat”- Clean India Campaign took part on 1st August 2019. The volunteers were divided into 8 groups each group consisting of 15 to 20 students. The volunteers cleaned the campus and weeds and unwanted waste materials were removed. The areas behind Renoldi Hostel, Bicentenary Building and New Indoor Stadium, the compound walls near second gate, APRC Building, Places around Library and Amalagam Hostel were cleaned. The NSS POs Dr. M. Antony Arockiasamy and Dr. G. Mohan Gandhi coordinated the programme.

“Cleaning Drive” at Government Public Library -Tirupattur

Based on the instructions given by the University, Sacred Heart College (Autonomous), NSS volunteers from the department of Chemistry, Biochemistry, and Microbiology were sent to the public library of Tirupattur on 1st August 2019 to clean the library premises. Dr. U. Ramesh, the Programme officer conducted the drive.

“Cleaning Drive” at Government Hospital -Tirupattur

Cleanliness Drive activity has been carried out by NSS volunteers of Sacred Heart College at Government Hospital on 2nd August 2019. The NSS volunteers from the department of Maths, Computer science and Chemistry spent their quality time in the Government Hospital, Tirupattur to clean the Hospital premises. Before cleaning, the NSS volunteers gathered for a special talk along with Dr. Selvakumar, Chief Medical Officer of Government Hospital, Tirupattur and its team of Staff Nurses. The entire Government Hospital premises were cleaned under the guidance of the Programme Officer Dr. U. Ramesh

“Palm Tree - Awareness” Rally & “Palmyra Seed Planting” - Tirupattur Lake

The NSS volunteers along with other groups and movements of Sacred Heart College took up a massive rally to create awareness on the importance and effectiveness of our traditional Palm tree on 15th August 2019. The rally was flagged off by Rev. Dr. C. Antonyraj, the Rector and Secretary at college gate No 2. The rally reached Tirupattur Lake. Over 1500 Students participated in the rally actively, displaying placards, showing slogans about the importance of palm tree in one hand and Palmyra seeds on the other hand. The NSS programme officers Dr. M. Antony Arockiasamy, Dr. G. Mohan Gandhi and Dr. U. Ramesh and volunteers led from front.

After reaching Madapalli the volunteers started digging pits half a foot and planted the Palmyra seeds and watered them. The NSS volunteers alone planted 200 seeds. Totally 3000 seeds were planted.

NSS Special Camp (16.11.2019 to 22.11.2019) in the Golden Jubilee Year

To commemorate the Golden Jubilee Year of NSS, The National Service Scheme of Sacred Heart College with the blessings of Rev. Dr. C. Antonyraj, SDB, the Secretary and Rev. Dr. D. Maria Antony Raj, SDB, the Principal, conducted a Special Camp for NSS volunteers from 16th to 22nd November, 2019 at R.C Middle School, Kovilur. We adopted four villages; Pudukottai, Kurumbakeri Pudur, Somalapuram and Kutta Kollai for camping activities. The NSS Special Camp was inaugurated by the Parish Priest of Kovilur Rev. Fr. Y. Arockiasamy on 16th November 2019 at R.C Middle School, Kovilur.

The following works were carried out during the 7 days of camp:

Two farm pondings of 10m×10m×2m one each at Kurumbakeripudur and Kuttakollai were created by the NSS volunteers and POs of Unit I and Unit III respectively. Somalapuram Lake was cleared off thorny bushes and weeds. The bushes blocking Somalapuram Lake were removed by NSS volunteers and POs of Units II and IV together. The Channel leading to rain water harvesting pond at Periavenkayapalli in Pudukottai was cleaned and the banks of the channel were raised by NSS volunteers and PO of Unit III.

In response to the requests made by the people of Kurumbakeripudur and Pudukottai-Kanamanthur, the weeds and thorny bushes in there cemeteries were cleared and about a 100 saplings were planted (in pits of 2f x 2f x 2f) around the cemeteries and also along the roads leading to the cemetery, by the NSS Volunteers and PO of Unit III.

The camping site R.C middle school was completely cleaned and about 150 small trees were given supportive sticks by the NSS Volunteers and POs of Unit II and Unit IV. The roads leading to the camping site were also cleaned by NSS Volunteers of Unit II and Unit III.

On 21st November 2019 a free eye check-up and free eye surgery camp was conducted by NSS in collaboration with Good Samaritan Eye Hospital, Matrappalli. 102 patients benefitted from free eye check-up. Dr. V.Vinothini performed free cataract eye-surgery to 20 patients at Good Samaritan Eye Hospital, Matrappalli. The NSS Volunteers along with PO Dr.U.Ramesh visited the patients and gave them breads.

Five guest lectures on the themes “Moving towards Pinnacle”, “There is no World without Water”, “Nature Farming”, “Duties and Responsibilities of an Indian Citizen”, “Eye Protection” were given by Dr. Rathina Natarajan, Dr. A. Xavier Susairaj, Mr. Kulandai Yesu, Dr. D. Leslin and Dr. V. Vinothini respectively every day at 3.00 p.m. in the afternoon to all the NSS volunteers of four units.

In the evening, awareness programmes on “Nature Farming”, “Importance of Water Management” and “Hazards of Mobile Phones” were performed by NSS Volunteers at Somalapuram, Kurumbakeripudur and Pudukottai - Kovilur. A special debate on the title “Who participates more in the Social Development? Men? or Women?” was anchored by Dr. P. Selvakumar and his team of NSS volunteer at Kurumbakeripudur on 20th November 2019. All the people of the villages benefitted by the programmes. Rev. Dr. Praveen Peter the Vice Principal visited the campsite on 21st November 2019 for the evening cultural programmes.

Moreover Yoga sessions were conducted for NSS volunteers by Dr. M. Antony Arockiasamy PO, Dr. U. Ramesh PO at 7.00 a.m. every day.

The valediction of special camp held on 22nd November 2019 was chaired by Dr. S. R Xavier Rajarthinam, Vice Principal (Shift-I). C. Lourdu Nathan Head Master, English medium school and Mr. R. Sankaran Asst. Prof. Dept. of Economics, participated as guests of honour and distributed prizes to the Volunteers of four NSS Units for cultural programmes.

All the 183 (111 boys and 72 girls) NSS Volunteers participated fully and had hands-on experience during NSS Special Camp. The whole programme was planned meticulously and executed smoothly by the Programme Officers Dr. M. Antony Arockiasamy, Dr. G. Mohan Gandhi, Dr. U. Ramesh and Mr. B. Seenivasan. They were ably assisted by Mrs. M. Rose, Mr. S. John Sundar, Dr. Naren Immanuel and Mr. S. Karthik.

Rovers and Rangers

Rovers and Rangers is a universally recognised youth movement which inculcates the good manners and ideals of disciplined living.

Sacred Heart Crew of Rovers and Rangers unit of Sacred Heart College, consist of 46 students, 24 Rovers and 22 Rangers. In the academic year 2019-20, students had attended camps at local, district and national levels representing the college. Every Monday forum classes were held as per schedule. This year the annual training camp for Rovers and Rangers was conducted at Don Bosco Camp Site (Yelagiri Hills, Tirupattur District) from 14.12.2019 to 15.12.2019, in collaboration with Mr. S. Jainladun ALT (R) District Training Commissioner and Asst: Mr. Sakthi Kailash HWB(R), Gandhi Scout & Guide Group Chennai. Totally 41 Participants attended the training as per the scheme of Training BP Exercise, Inspection, Session, Duty Change, Sing Song, Games, Campfire, All faith Prayer, Valedictory function, Exhibition and Yoga. All Faith Prayer was conducted on the last day in an austere manner. The Scouting Guiding ideal was strictly met during the camp.

This year i.e. during 2019-2020 session 14 rovers and rangers had applied for getting awards of Rajya Purskar.

Red Ribbon Club (RRC)

Getting into Zero: Ends by 2030

On 23rd July 2019 programme titled “Getting into Zero: Ends by 2030” was organized for the students of RRC. Mr. Shankar, ART Counsellor, Government Hospital, Tirupattur presided over the session.

Palm Seed Plantation

On 15th August 2019, Sacred Heart College organized a mass Palm seeds plantation campaign on the banks of Tirupattur Lake. Around 80 student volunteers of RRC actively participated in the campaign along with all the II UG students of the campus. Each student was asked to plant two seeds.

Healthy Food and Lifestyle

On 26th August 2019 a programme titled “Healthy Food and Lifestyle” was organized for the students of RRC. Dr. Vikram Kumar, Siddha Medical Officer, Government Community Health Centre, Andiappanoor, Tirupattur addressed the students.

Environmental Degradation and Its Remedies:

On 16th September 2019 a programme titled “Environmental Degradation and Its Remedies” was organized for the students of RRC (Shift-I). Mr. J. Maria Leo Joseph, Assistant Professor, Department of Chemistry (Shift-I), Sacred Heart College, Tirupattur addressed the students.

Donate Blood and Save Life

On 23rd September, 2019 a programme titled “Donate Blood and Save Life” was organized for the students of RRC. Mr. N. Kesavan, Graduate Technician, CMC Vellore addressed the students on the necessity of blood donation.

World AIDS Day

On 2nd December 2019 the student volunteers of RRC celebrated World AIDS Day by taking oath as instructed by the Government of Tamil Nadu and TANSACS. They created awareness by displaying slogans through placards about the disease in the premises of the campus. On 13th December 2019 the volunteers joined with Shift-II RRC volunteers conducted a free HIV/AIDS Screening Camp. It was supported by a Government Medial Team headed by Mrs.Kalpana, Government Community Health Centre, Aandiappanoor, Tirupattur District.

Myths and Misconception

On 3th February 2020 a programme titled “Myths and Misconception” was organized at for the students of RRC. Mr. S. Athisiyaroban, Member and RRC, Vellore presided over the function.

Suicide Prevention

On 10th February, 2020 a programme titled “Suicide Prevention” was organized for the students of RRC. Ms. M. Latha Munuswamy, Assistant Professor, Department of Counselling Psychology addressed the students.

Youth Red Cross (YRC)

On 23rd July 2019, Intra Group Competition was conducted. YRC students participated and won prizes.

On 15th August 2019, all the YRC students undertook a rally to Tirupattur Lake to create awareness on environment and planted a lot of Palm Seeds.

On 03rd September 2019 an Invited Talk on “Teenagers Problem and Management” was delivered by Ms. M. Latha Munusamy, Assistant Professor, Department of Counselling Psychology.

On 16th September 2019 a motivational Talk on “Creative Skills” was given by Mr. R. Veerappan, Head, Department of Business Administration. During the session images and video were shown.

On 26th September 2019, YRC conducted an elocution competition. Students from various Departments participated. Two students were selected for District Level Elocution competition.

On 10th December 2019, YRC conducted a Blood Donation Camp in the college. 50 students donated blood. The blood was offered to Government Hospital, Tirupattur.

On 17th December 2019, Mr. R. Denis, Assistant Professor, Department of Computer Science gave an awareness talk to YRC students on the “Impact of Social Media”. It was useful to the students.

On 10th February 2020, Dr. S. Sasikumar, Head, Department of Management Studies delivered a motivational Talk on “Leadership Skill” to the YRC students.

On 17th February 2020, Mr.Senthil Kumar from Salem Periyar University delivered an inspirational talk on “Youth Today”.

On 24th February 2020, Dr. J. Sasiganth, Assistant Professor, Dept. of Management Studies delivered a motivational talk on “Key to Success”.

National Cadet Corps (Shift-I & II)

- 1. All India Girls Trekking Expedition Held at Nilgiris (Ooty):** Three girl cadets of our college NCC Unit had participated in All India Girls Trekking Expedition, conducted by Tamil Nadu directorate of NCC held CSI Engineering College, Nilgiris (Ooty) from 06.05.2019 to 13.05.2019.
- 2. IGC for TSC (SD/SW) Firing Camp:** Six NCC cadets of our college had attended Firing (Shooting) camp held at Kongu Engineering College, Perundurai and Erode from 15.05.2019 to 24.05.2019.
- 3. CATC cum TSC Selection Camp:** 41 NCC Cadets of our college had attended CATC cum TSC selection camp held at Bannariamman Institute of Technology (BIT), Sathiyamangalam, Erode from 17.05.2019 to 26.05.2019.
- 4. International Yoga Day Celebration:** 80 cadets including SD and SW with ANO had participated in International Yoga Day celebrations held at AVS College of Arts and Science on 21.07.2019.
- 5. Selection of First Year Students for NCC:** The newly admitted first year students had been selected for our college NCC unit by NCC selection on 03.07.2019. Around 65 Boys and 21 Girls had been selected with appropriate army selection process with help of PI Staff. They were distributed NCC Uniforms and other necessary training items.
- 6. Swatch Bharat – Impact of Air Pollution:** Based on the communication sent by the NCC Group Headquarters, Coimbatore the NCC unit of Sacred Heart College had organized a special invited talk on 04.07.2019 headed by Dr. S. Xavier Rajarathinam, Vice Principal, (Academics Shift-I). Dr.V.Collins Arun Prakash, Asst. Prof., Dept. of Chemistry, had been the resource person and he delivered lecture followed by poster presentation and drawing competition by the NCC cadets.
- 7. Advance Leadership Camp (ALC -II) - (SD & SW):** One of our SW girl cadets had attended Advance Leadership Camp held at Agra organized by UP Directorate from 16.07.2019 to 27.07.2019.
- 8. Swatch Bharat – Mega Plastic Awareness Rally:** The NCC unit of Sacred Heart College had organized a mega plastic awareness rally on 18.07.2019 as part of Swatch Bharat Movement. Around 120 cadets had participated in the rally. During the rally awareness was created through distribution of pamphlets given to public regarding the usage of plastic. Dr.S.R.Xavier Rajarathinam, Vice Principal (Academics Shift-I) flagged of the rally. The rally started at Sacred Heart College and it ended in Sub-Collector Office, Tirupattur.
- 9. Inter Directorate Shooting Competition (West Bengal):** One of our NCC SW Cadets had participated in the Inter Directorate Shooting competition held at Asansol (West Bengal) from 14.08.2019 to 25.08.2019 and she won silver medal.
- 10. Independence Day Celebrations:** It was celebrated on 15.08.2019 in Sacred Heart College play ground with approximately 3500 college students. Dr.D.Leslin, Head, Department of History, had been the special invitee and he had hoisted The National Flag and Rev.Dr.C.Antonyraj. SDB, Secretary, accepted the Guard of honuor and contingent drill performed by NCC Senior Division and Senior Wing cadets, then he delivered Independence Day special message. The programme was headed by Rev. Dr. D. Maria Antony Raj. SDB. Principal.

11. **XXVIII All India GV Mavlankar Shooting Championship:** One of our NCC SW cadets had participated in XXVIII All India GV Mavlankar Shooting Championship for the year 2019 held at Ahmadabad from 14.09.2019 to 25.09.2019 and she won silver medal.
12. **TSC Achievement:** One of our SD NCC cadets attended TSC Firing Camp held in New Delhi during 17.09.2019 to 26.09.2019. He had participated in firing competition on behalf of TN NCC Directorate.
13. **Mega Swatchhta Pakhwada – Importance of Cleanliness:** Based on the communication sent by the NCC Group Headquarters, Coimbatore. The NCC unit of Sacred Heart College had organized a special invited talk headed by Dr. A. Xavier Susairaj, Head, Department of Economics. Dr. A. Royal Edward Williams, Assistant Professor, Department of Economics, had been the resource person and he had delivered a lecture followed by poster presentation and drawing competition by the NCC cadets.
14. **Advance Mountaineering Course (AMC):** One of our SD NCC cadets had attended 20 Day Advance Mountaineering Course held in Nehru Institute of Mountaineering (NIM), Uttarkasi, Uttarakand from 13th November to 03rd December 2019.
15. **NCC Day Celebration 2019 - Sapling Plantation Drive:** Based on the communication sent by the NCC Group Headquarters, Coimbatore. The NCC unit of Sacred Heart College had organized a special Tree Plantation Drive on 26th November in Pudukottai village. Lieutenant Dr. K. Sivakumar, NCC Officer and Dr.J. Merlin Florence, NCC Care taker had organized the programme with 60 NCC cadets. Around 35 saplings had been planted in various locations of the village.
16. **Army Attachment Camp (AAC):** Two of our NCC SD boys had attended Army Attachment Camp (AAC) from 31.12.2019 to 09.01.2020 held in Secundradad, Telungana State.
17. **Republic Day Celebrations 2020:** It was celebrated on 26.01.2020 in Sacred Heart College play ground with approximately 3500 college students. Rev. Dr. C. Antonyraj, SDB, Secretary, Sacred Heart College accepted the Guard of honour and contingent drill performed by NCC Senior Division and Senior Wing cadets. Then he delivered Independence Day special message. The programme was headed by Rev. Dr. D. Maria Antony Raj, SDB. Principal, Sacred Heart College, Tirupattur.
18. **College Day Guard of Honour:** In view of College Day celebrations the NCC Unit of Sacred Heart College exhibited Guard of Honour events in order to invite Chief guests and other dignitaries to the programme. In this programme Medals were distributed to the NCC Cadets as a token of appreciation for their achievements.
19. **B & C Certificate Examination:** Our college NCC SD and SW cadets attended NCC B and C Certificate examinations during February & March 2020 at Sona College of Arts and Science, Salem as the part of training activities.
20. **Regular Parades:** In the academic year 2019 – 2020 our college NCC Unit had successfully completed 35 Regular Official Parades and 10 Regular Unofficial Parades. Lieutenant Dr. K. Sivakumar, NCC Officer, Assistant Professor of Economics with the assistance of Dr. J. Merlin Florence, NCC Care Taker, Assistant Professor of Computer Science, along with unit Army staff had organized all official, unofficial parades and programmes.

Department of Physical Education (Shift - I & II)
Sports and Games
Extramural Activities and Achievements

S.No	Date	Event/Competition	Venue	Position
1	29.07.2019 To 31.07.2019	9 th Fr.Guezou State Level Basketball Tournament	Sacred Heart College, Tirupattur	4 th Place
2	01.08.2019 To 03.08.2019	32 nd Don Bosco Centenary State Level Volleyball Tournament	Sacred Heart College, Tirupattur	4 th Place
3	04.01.2020	Tirupattur District Volleyball Championship	Tirupattur	Winners
4	02.08.2019	Thiruvalluvar University Inter Division Badminton Tournament	Voorhees College, Vellore	Participated
5	08.08.2019	Thiruvalluvar University Inter Division Cross Country Competition	Periyar Arts College, Cuddalore	5 th place
6	13.08.2019	Thiruvalluvar University Intercollege Hockey Tournament	Sacred Heart College, Tirupattur	Winners
7	13.08.2019	Thiruvalluvar University Intercollege Basketball Tournament	Sacred Heart College, Tirupattur	Winners
8	14.08.2019	Thiruvalluvar University Inter college Volleyball Tournament	Sacred Heart College, Tirupattur	Winners
9	20.08.2019 To 21.08.2019	Thiruvalluvar University Inter Division Basketball Tournament	Sacred Heart College, Tirupattur	Winners
10	20.08.2019 To 21.08.2019	Thiruvalluvar University Inter Division Hockey Tournament	Sacred Heart College, Tirupattur	Winners
11	29.08.2019	Thiruvalluvar University Inter College Women Badminton Tournament	RTG Arts College, Polur	Runners
12	30.08.2019	Thiruvalluvar University Inter College Kho-Kho Tournament	Govt. Arts College, Thiruvannamalai	Runners

S.No	Date	Event/Competition	Venue	Position
13	06.09.2019	Thiruvalluvar University Inter College Kabaddi Tournament	Thiruvalluvar University College, Arakkonam	Participated
14	25.09.2019 To 26.09.2019	Thiruvalluvar University Inter Division Aquatics	St.Joseph's College, Cuddalore	3 Silver medal
15	30.09.2019 To 01.10.2019	Thiruvalluvar University Inter College Football Tournament	Voorhees College, Vellore	Participated
16	11.10.2019 To 12.10.2019	Thiruvalluvar University Athletic Meet	SDAT Stadium, Thiruvannamalai	3 rd Place
17	18.10.2019 To 19.10.2019	Thiruvalluvar University Inter Division Volleyball Tournament	Sacred Heart College, Tirupattur	Winners
18	21.10.2019	Thiruvalluvar University Inter Division Best Physique	Periyar Arts College, Cuddalore	Participated
19	16.11.2019 To 17.11.2019	Thiruvalluvar University Inter College Cricket Tournament	Shanmuga College, Thiruvannamalai	Winners
20	24.11.2019	Thiruvalluvar University Inter Division Cricket Tournament	Sacred Heart College, Tirupattur	Winners
21	04.12.2019 To 05.12.2019	Thiruvalluvar University Inter Division Football Tournament	Voorhees College, Vellore	Combined Team Runners
22	16.12.2019	Thiruvalluvar University Inter College Handball Tournament	Shanmuga College, Thiruvannamalai	Participated
23	17.12.2019	Thiruvalluvar University Inter Division Kho-Kho Tournament	Govt. Arts College, Thiruvannamalai	Combined Team Runners
24	18.12.2019	Thiruvalluvar University Inter Division Handball Tournament	Sanmuga College, Thiruvannamalai	Combined Team Runners
25	10.01.2020	Thiruvalluvar University Inter College BallBadminton Tournament	Aruna Vidhya Arts & Science, Kannakurukai, Thiruvannamalai	Participated

Intramural (Sports & Games): 2019-2020

S.no	Date	Event/Competition	Shift	Position	Department
1	27.07.2019	College Sports Day	I	Winners	B.Com
			II	Winners	B.Com
2	09.12.2019	Interdepartmental Volleyball Tournament (Men)	I	Winners	BBA
				Runners	B.Com
3	09.12.2019	Interdepartmental Tennikoit Tournament (Women)	I	Winners	BBA
				Runners	B.Sc., Microbiology
4	10.12.2019	Interdepartmental Football Tournament (Men)	I	Winners	B.Com
				Runners	B.Sc., Physics
5	10.12.2019	Interdepartmental Throw ball Tournament (Women)	I	Winners	B.Com
				Runners	B.Sc., Microbiology
6	11.12.2019	Interdepartmental Basketball Tournament (Men)	I	Winners	B.Com
				Runners	B.Sc., Chemistry
7	11.12.2019	Interdepartmental Badminton Tournament (Women)	I	Winners	BBA
				Runners	B.Com
8	09.12.2019	Interdepartmental Volleyball Tournament (Men)	II	Winners	B.Com
				Runners	B.Sc., Computer Science
9	09.12.2019	Interdepartmental Tennikoit Tournament (Women)	II	Winners	B.Sc., Computer Science
				Runners	B.Sc., Physics
10	10.12.2019	Interdepartmental Football Tournament (Men)	II	Winners	B.Com (CA)
				Runners	B.A., English
11	10.12.2019	Interdepartmental Throw ball Tournament (Women)	II	Winners	B.A., English
				Runners	B.A., Tamil
12	11.12.2019	Interdepartmental Basketball Tournament (Men)	II	Winners	B.Com
				Runners	B.A., English
13	11.12.2019	Interdepartmental Badminton Tournament (Women)	II	Winners	B.A., Tamil
				Runners	B.Sc., Physics

Groups & Movements (Shift-II)

All India Catholic University Federation (AICUF)

AICUF, one of the heritage forums in Sacred Heart College touched the hearts and lives of many students for the empowerment of the society for more than three decades. It conducted various programmes during the academic year 2019-2020 and trained the students to be a better leader in the society. During the month of June, the elections were conducted for the post of secretary, joint secretary, men and women coordinator, and treasurer. Herculis, a member from the state AICUF visited our unit on 18th July 2019.

As part of creating awareness about the importance of Palmyra trees, the AICUF students planted more than 1000 seeds on 15th August 2019. In August, Nilgiri District was devastated due to excess rains. The students gave a helping hand towards the needy with what they had at that time. On 27th and 28th August 2019 three students from Sacred Heart College went for a leadership training programme organized by the state AICUF in Trichy. AICUF students conducted a signature campaign against the new education policy on 30th August 2019.

The students from Sacred Heart College organized a one day intercollegiate leadership training programme on 21st September 2019. More than 150 students participated in this training programme and expressed that this kind of leadership training programmes should be organized by the state every year. More environmental programmes were organized during the month of February and the students participated with immense dedication. Students worked in the Cuckoo forest school making Zen garden.

Eco Club

Selection of Office Bearers and Planning of Annual Actives

On 28th June 2019, the office bearers for Eco Club were selected through a secret voting system, and the annual activities of the group were planned and the activities were assigned to different groups in the club.

Sapling Plantation and Rainwater Harvesting Plant in an Elementary School

As per the plan on 27th August 2019, we planted a few herbal plants and trees in the school campus at Elementary School in Kunichi and repaired the rainwater harvesting plant there.

Awareness Programme on Psycho Social Problems Faced by Adolescent Girls

On 17th September 2019, the Eco Club organized an awareness programme on “Psycho-Social Problems faced by Adolescent Girls and their Management” the Eco Club members addressed by Sabarimala Jayakanthan.

Free Blood Test Camp for Anaemia Detection to Shift-II Girls

In the last week of September (24.09.2019 to 28.09.2019) and second week of October (11.10.2019 to 18.10.2019), the Eco Club students conducted “Free Blood Test Camp to find out the HB count for Shift-II girl students with the sponsorship of Dr.Elamparithi, Paediatrician (Government Hospital), Asthma Specialist, Thangamma Hospital, Tirupattur.

Creation of Herbal Garden in the College Premises

With the blessings of Rev. Dr. K.A. Maria Arokiaraj, Additional Principal on 21st December 2019, the Eco Club created a Herbal Garden in our College premises with 10 Medicinal Plants. The garden is being maintained by B.Com (CA) students of Eco Club. It was re-planted with a few more organic vegetables on 1st February 2020.

Awareness Programme on Eco Friendly Environment and Effects of Using Plastics to the Elementary School Children

On 31st January 2020, we conducted an awareness programme on Eco Friendly Environment and Effects of using plastics to the School Children of Janaki Ponnusamy Aided Elementary School at Kovilur Road, Tirupattur. Mrs. Swemanandhini, Advocate, High Court, Chennai honoured this programme as the chief guest and gifted stationery to the school children. The programme stressed the importance of cleanliness, Eco friendly environment, ways to avoid plastics usage in daily life, a skit on “Saving Habit” and the club organised some games. We planted some saplings in the school campus, which was planned and executed by the B.Com students of Shift-II.

Awareness Programme on Eco Friendly Environment and Effects of Junk Foods, Electronic Gadgets

The need for Eco Friendly Environment, effects of taking junk food and becoming addicted to electronic gadgets have been visually presented and imparted to the students of Dominic Savio Higher Secondary School, Tirupattur in the month of February 2020.

Awareness Programme on Organic Food and Methods to Improve Productivity in Agriculture

The officials from District Agriculture Office came over to the Sacred Heart Campus during the 1st week of March 2020 and explained the importance of cultivating and using organic food and demonstrated methods, which could be adopted to improve productivity in agriculture. They also highlighted the job opportunities available in the agricultural field.

Fine Arts

We, the department of Fine Arts Association, organized the inaugural programme on the day of reopening on 17th June 2019. The Chief Guest of the programme was the Provincial, Rev. Fr. K.M. Jose, who gave the inaugural message to the students. On 4th July 2019, the college conducted the Inauguration of Academic Associations, Groups and Movements. Chief Guest was Rev. Fr. Jegath Gaspar Raj, Founder, Tamil Maiyam. On 30th November 2019 cultural fest HEARTBEAT 2019 was held. Mr. Yegathasi, Director and Lyrics Writer, was the guest of honour. We organized the Community Day celebrations on 11th January 2020. The Rector and Secretary Rev. Dr. C. Antonyraj was the chief guest.

The Pongal celebrations took place on 11th January 2020. The arrangements were done by the Fine Arts Association.

The most awaited event the College day was held on 1st February 2020. Finally, we organized the Valedictory of Academic Association, Groups and Movements on 29th February 2020.

Media Forum

Media Forum commenced with the introduction of the members in the first meeting. We planned the programmes for the whole year 2019-2020.

On 10.07.2019, we had a meeting with all the members of the Groups and Movements. We discussed the recent trends in the social media. Dr. P. Balasubaramanian, Head, Department of Tamil, was present for the meeting as moderator for a debate on the recent trends in social media. We invited Dr. K. Anbarasu, Assistant Professor, Department of Tamil to give a talk on “Job Opportunities in Media” on 20.11.2019. He touched upon all the job opportunities and vacancies in the field of Media.

We invited Dr. S. Sivachandarakumar, Assistant Professor, Department of Tamil to give a talk on Media and its better use among the youth on 11.09.2019. We planted 50 saplings inside the campus on behalf of the Media Forum. For the first time, we created a You Tube channel for Media Forum and uploaded more than 80 short films and the reviews on movies by the students. We screened a short film to create awareness among the students.

National Service Scheme (NSS)

The members of National Service Scheme elected its Secretary and Joint Secretary under a democratically on 28.06.2019. On the same day, they discussed and decided the plan for the year. The “Lecture on Importance of Youth in Social Service” was organized by the National Service Scheme on 01st August, 2019. The lecture has been rendered by Mr.B.Seenivasan, Assistant Professor, Department of Commerce (CA).

National Service Scheme (Unit-4) organized “Rally and Plantation” on 15.08.2019. The Principal of Sacred Heart College, Tirupattur flaged off the Rally at Taluk Office of Tirupattur. The Rally moved through the main roads of Tirupattur Town and ended at Tirupattur Lake. The slogans on importance of Planting of Palm Tree were raised by the students along with placards. National Service Scheme organized and conducted an event with Creation of Posters on Motor Vehicle Act and Road Safety on 17.09.2019. NSS volunteers prepared charts on the importance of Road Safety and Penalties under Motor Vehicle Act.

National Service Scheme organized “Campus Cleaning” drive on 20.08.2019. The NSS volunteers along with the NSS Programme Officer cleaned places behind Golden Jubilee Building and Hostels. The Unit-4 of National Service Scheme organized and conducted an awareness programme on Water Preservation. Mr. Santhosh Kumar gave a speech on the topic on 25.09.2019 Members displayed charts on the Importance of Water Preservation, Need of Water for Future, and Ways of Preserving Water.

The NSS of our College organized a seven day Special Camp from 16.11.2019 to 22.11.2019 in Kovilur Village with 40 students from Shift-II with the concept of preservation of water bodies. NSS volunteers cleaned the lake at Somalapuram, and Government School at Kovilur, and created awareness on Clean India and Water Preservation. Apart from regular activities, several meetings were also conducted.

National Service Scheme organized a Visit to Mahatma Gandhi Old Age Home on 13.02.2020 NSS volunteers along with NSS Programme Officer cleaned the Old Age home site and interacted with the abandoned people in the Home. They served food to the members of the home. The event created awareness among NSS volunteers on the protection of aged people.

Red Ribbon Club

We chalked out the programmes for the academic year 2019-2020 on 28th June 2019. Mr.Shankar, ART Counsellor delivered a talk on Zero Ends by 2020 on 23rd July 2019. and it was held on 23.07.2019. On 01.10.2019 RRC members were divided into groups for different works and to explore new ideas the members were guided by the RRC Coordinator Dr.K.Anbarasu.

Our members were split into many groups and Palm seeds plantation was done by every member as a sign of social responsibility on 14.08.2019 & 15.08.2019 Mr. N. Kesavan a Graduate Technician in CMC Hospital gave a talk on Donate Blood & Save Life on 23.09.2019. To execute the future plans Group work verification was held on 23.11.2019 and it was guided by the RRC Coordinator Dr.K.Anbarasu. On 27.11.2019 the AIDS day was celebrated and a regular meeting was conducted on 13.12.2019. In this modern world we all forget about the awareness about HIV & AIDS. To create awareness among the youngsters Mrs. Kalpana, Member of Health Care Centre, Vellore gave a lecture on Blood Donation and AIDS Awareness”.

Dr. Prakash Iyappan (Department Director of District), Mr. P. Subramani, M.A., M.Phil., (Tamil Nadu AIDS Control & Society, District Supervisor), Dr. M. Selvi, MBBS (Block Medical Officer, Community Health Centre) and Dr.Vikram Kumar, MD (Siddha) (Community Health Centre) spoke on the safe sexual behaviour, formal relationship etc. In view of AIDS DAY screening tests were conducted by our well wishers Mr.Vinoth Kumar and Mr.Gopi (TB Lab Supervisor, Government Hospital) and it was held on 17.12.2019.

Youth Red Cross (YRC)

YRC organized an awareness talk on 02.08.2019 on “Diabetes” (From Known to Unknown). Resource Person was Dr. I. Niyas Ahamed, Assistant Professor, Department of Biochemistry. He spoke about the original name of Diabetes, History of Diabetes, Causes of Diabetes and Symptoms of Diabetes. He specified the diet, regular exercise, continuous visit to Doctor, being brave to fight diabetes.

On 15.08.2019 Youth Red Cross along with all shelters undertook a rally to plant Palm seeds in Tirupattur Lake. Students from YRC planted nearly 200 seeds of Palm tree in Tirupattur Lake in the allotted place.

An Invited Talk was delivered on 12.09.2019 on Awareness on Food Habits. Resource person was Mr. V. Sakkan, Assistant Professor, Department of Tamil, He spoke on the merits and demerits of both organic food and Junk food. He also explained the healthy way of having food, causes of excessive food and less food.

On 14.12.2019 YRC organized an Invited Talk on Awareness on Blood Donation by Dr. A. Jayaprakash, Assistant Professor, Department of Biochemistry. He stressed on need for blood donation, health benefits of blood donation, and how much blood can be taken.

YRC organized a programme on Organ Donation on 19.12.2019. The resource person was Mr. S. Karthik, Assistant Professor, Department of Commerce. He played a Video clip to make students understand the importance of Organ, and then he started his talk by appreciating the students for joining YRC. He spoke about the meaning of organ, types of Organs, Coma Vs Dead, who can be a Donor, procedure to donate the organ, statistics regarding organ requirements and organ donation.

YRC organized a programme on 07.02.2020 on the blood related disease. Resource person was Dr. K. Anbarasu, Assistant Professor, Department of Tamil. He shared some data on blood related disease in India. He shared about the factors of blood infections and disease related to blood. He also shared the causes and prevention of blood related diseases in advance.

YRC organized a programme on 19.02.2020 on the topic of “First Aid and its Importance”. Resource person was Dr. U. Ramesh, Assistant Professor, Department of Economics. He started his talk by stressing the importance of being youthful. He talked about the objectives of first aid, responsibility of first aider, ways to help the casualty and drawbacks in giving first aid. And he finally concluded stating the benefits of giving first aid.

மாற்று நாடக இயக்கம்

10.07.2019 அன்று தொன்போஸ்கோ உள்விளையாட்டரங்கிற்கு வெளியே மாற்று நாடக இயக்க உறுப்பினர்கள் கலந்து கொண்டு மன்றத்திற்கான செயலர், துணைச் செயலர் ஆகியோரைத் தேர்ந்தெடுத்தனர். இக்கூட்டத்தில் முனைவர் ஆ. முத்தையன் கலந்து கொண்டு மன்றத்தின் செயல்பாடுகளை விளக்கினார். உறுப்பினர்கள் தங்களுடைய திட்டத்தினை முன்மொழிந்தனர். இறுதியாக இந்த ஆண்டின் செயல் திட்டம் வரையறுக்கப்பட்டது.

16.07.2019 அன்று அன்னை தெரேசா அரங்கில் மாற்று நாடக இயக்க உறுப்பினர்கள் கலந்து கொண்டனர். அக்கூட்டத்தில் நாடகம் பற்றிய சிறு அறிமுகத்தினைத் தெரிந்து கொண்டதோடு நாடகப் பயிற்சியும் வழங்கப்பட்டன. இக்கூட்டத்தில் முனைவர் ஆ. முத்தையன் கலந்து கொண்டு நாடகம் பற்றியும் நாடகப் பயிற்சி பற்றியும் விளக்கினார்.

24.07.2019 அன்று போப் பிரான்சிஸ் அரங்கில் நடைபெற்ற விவாத மன்றத்தில் மாற்று நாடக இயக்க உறுப்பினர்கள் கலந்து கொண்டனர். அந்நிகழ்வில் “சமூகக் குற்றங்களுக்குக் காரணம் ஆண்களே! பெண்களே! ஆண்களும் பெண்களும்” என்கிற வகையில் விவாதிக்கப்பட்டது. இந்நிகழ்ச்சியினை முனைவர் ஆ. முத்தையன் ஒருங்கிணைப்புச் செய்தார்.

24.07.2019 போப் பிரான்சிஸ் அரங்கில் நடைபெற்ற நாடகப் பயிற்சி வகுப்பில் மன்ற உறுப்பினர்கள் கலந்து கொண்டு நாடகப் பயிற்சிப் பெற்றனர். அதோடு அவர்கள் நடிக்விருக்கிற நாடகத்தின் கதை மற்றும் பாத்திரத்தேர்வு முதலியனவும் நடைபெற்றன. இந்நிகழ்வை முனைவர் ஆ. முத்தையன் ஒருங்கிணைத்தார்.

02.08.2019 ஓயாசிஸ் அரங்கில் நடைபெற்ற நாடகப் பயிற்சி மற்றும் நாடகத்திற்கான கதைத் தேர்வும் குறித்து பேசப்பட்ட வகுப்பில் மன்ற உறுப்பினர்கள் கலந்து கொண்டனர். அவர்கள் தங்களை ஐந்து குழுக்களாகப் பிரித்து, தாங்கள் நடிக்விருக்கிற நாடகத்தின் கதை மற்றும் பாத்திரத்தேர்வு முதலியன குறித்தும் மாணவர்களோடு விவாதித்தனர். இந்நிகழ்வை முனைவர் ஆ. முத்தையன் ஒருங்கிணைத்தார்.

12.08.2019 தொன் போஸ்கோ உள்விளையாட்டரங்கில் மன்ற உறுப்பினர்கள் கலந்து கொண்டனர். அவர்களுக்குக் கடந்த 15.08.2019 அன்ற கல்லூரி

சார்பாகத் திட்டமிடப்பட்ட திருப்பத்தூர் ஏரியைச் சுற்றிப் பனைமரம் நடுவதற்கான அறிவிப்புகளை வழங்கி, அவர்களுக்கான அணித்தலைவர்களை அறிமுகப்படுத்தப்பட்டன.

15.08.2019 நடைபெற்ற கல்லூரி சார்பான பனைமரம் வளர்ப்போம் ஊர்வலத்தில் மாற்று நாடக இயக்க மன்ற உறுப்பினர்கள் கலந்து கொண்டனர். திருப்பத்தூர் ஏரியைச் சுற்றி பனைமரம் நட்னர். இந்நிகழ்வில் முனைவர் ஆ. முத்தையன் கலந்து கொண்டு ஒருங்கிணைத்தார்.

10.09.2019 போப் பிரான்சிஸ் அரங்கில் நடைபெற்ற நாடகப் பயிற்சி வகுப்பில் மன்ற உறுப்பினர்கள் கலந்து கொண்டனர். அவர்கள் தங்களை ஐந்து குழுக்களாகப் பிரித்து, தாங்கள் நடிக்கவிருக்கிற நாடகத்தின் கதை மற்றும் பாத்திரத்தேர்வு முதலியன குறித்தும் மாணவர்களோடு விவாதித்தனர். ஒரு குழு தங்களுடைய நாடகத்தினை நடித்துக் காண்பித்து, அதில் உள்ள குறைநிறைகள் கூறித் திருத்தம் கொண்டு வரப்பட்டது. இந்நிகழ்வை முனைவர் ஆ. முத்தையன் ஒருங்கிணைத்தார்.

18.12.2019 அப்துல் கலாம் அரங்கில் தமிழ்த்துறை சார்பாக நடைபெற்ற இரண்டாம் உலகப்போரின் கடைசி குண்டு திரைப்படத்தின் இயக்குநருடன் கலந்துரையாடலின் மாற்று நாடக இயக்க உறுப்பினர்கள் கலந்துகொண்டு கலந்துரையாடினர். இந்நிகழ்வில் முனைவர் ஆ. முத்தையன் கலந்து கொண்டார்.

10.01.2020 அன்னை தெரேசா அரங்கில் நடைபெற்ற நாடகப் பயிற்சி வகுப்பில் மன்ற உறுப்பினர்கள் கலந்து கொண்டனர். அந்நிகழ்வில் உறுப்பினர்கள் தாங்கள் நடிக்கவிருக்கும் நாடகம் குறித்த கலந்துரையாடலிலும் பயிற்சியிலும் ஈடுபட்டனர். இந்நிகழ்வை முனைவர் ஆ. முத்தையன் ஒருங்கிணைத்தார்.

Flavonoid against Cancer and Heart Disease

Flavonoids are a diverse group of phytonutrients (plant chemicals) found in almost all fruits and vegetables. Along with carotenoids, they are responsible for the vivid colours in fruits and vegetables. Flavonoids are the largest group of phytonutrients, with more than 6,000 types. Some of the best-known flavonoids are quercetin and kaempferol.

Flavonoid family

Flavonoids are part of the polyphenol class of phytonutrients. Polyphenols have historically been used in Chinese and Ayurvedic medicine, according to the Global Healing Center, and they are associated with skin protection, brain function, blood sugar and blood pressure regulation, in addition to antioxidant and anti-inflammatory activity. There are several significant groups of flavonoids, including anthocyanidins, flavanols, flavones, flavonols, flavonones and isoflavones. Within the flavanol subgroups there are still more subgroups. Each of these subgroups and each type of flavonoid carries its own distinct set of actions, benefits and originating foods.

Flavones

These include luteolin and apigenin. Good sources of flavones are celery, parsley, various herbs and hot peppers. Flavones are associated with overall antioxidant benefits and delaying the metabolizing of drugs.

Anthocyanidins

These include malvidin, pelargonidin, peonidin and cyanidin. Good sources of anthocyanidins include red, purple and blue berries; pomegranates; plums; red wine and red and purple grapes. Anthocyanidins are associated with heart health, antioxidant effects and helping with obesity and diabetes prevention.

Flavonones

These include hesperetin, eriodictyol and naringenin. Flavonones are found abundantly in citrus fruits. They are associated with cardiovascular health, relaxation and overall antioxidant and anti-inflammatory activity.

Isoflavones

This subgroup includes genistein, glycitein and daidzein. Isoflavones are highly concentrated in soybeans and soy products, as well as legumes. They are phytoestrogens, meaning that they are chemicals that act like the hormone estrogen. Scientists suspect that they may be beneficial in lowering the risk of hormonal cancers, such as breast, endometrial and prostate cancers, though study results are currently mixed. In various studies, isoflavones have sometimes acted as antioxidants and sometimes as oxidants, so their effect on cancer is unclear. They are also being studied as a way to treat menopausal symptoms.

Flavonols

This widely distributed subgroup of flavonoids includes quercetin and kaempferol. They are found in onions, leeks, Brussels sprouts, kale, broccoli, tea, berries, beans and apples. Quercetin is an antihistamine associated with helping to relieve hay fever and hives. It is also known for its anti-inflammatory benefits. Kaempferol and other flavonols are associated with powerful anti-inflammatory and antioxidant activities leading to chronic disease prevention.

Flavanols

There are three primary types of flavanols: monomers (more widely known as catechins), dimers and polymers. Flavanols are found in teas, cocoa, grapes, apples, berries, fava beans

and red wine. Catechins are especially common in green and white teas, while dimers, which are associated with lowering cholesterol are found in black tea. Scientists suspect catechins might be useful in aiding chronic fatigue syndrome symptoms. Catechins are also associated with cardiovascular and neurological health.

In recent years, scientists have turned to various flavonoids to explain some of the health benefits associated with diets rich in fruits and vegetables. Like other phytonutrients, flavonoids are powerful antioxidants with anti-inflammatory and immune system benefits. Diets rich in flavonoid-containing foods are sometimes associated with cancer, neurodegenerative and cardiovascular disease prevention.

Dr. A. Poongothai,
Assistant Professor,
Department of Biochemistry

Bionanotechnology

Department of Biochemistry Nanotechnology is commonly considered to deal with particles in the size range <100 nm, and with the nanomaterials manufactured using nanoparticles. The approaches to the toxicology testing, and assessment of the human and environmental risks are undergoing rapid development. One risk assessment area of strong interest is the extent to which nanoparticle and nanomaterial toxicity can be extrapolated from existing data for particles and fibers. The research and development of nanotechnology is very active globally, and nanotechnologies are already used in hundreds of products, including sunscreens, cosmetics, textiles, and sports equipment. Nanotechnology is also being developed for use in drug delivery, biosensors, and other biomedical applications. Further, nanotechnologies are also being developed for use in environmental applications, e.g., clean-up of environmental pollutants.

Dr. I. Niyas Ahamed,
Assistant Professor,
Department of Biochemistry

Nutritional and Antimicrobial Evaluation of *Saccharum Officinarum*

Consumed in Calabar, Nigeria

Sugarcane (*Saccharum officinarum*) pulp is widely consumed in Nigeria as a snack mainly for sugar content and is believed to possess some remedy against infectious diseases. This study therefore is quantitatively evaluated as the nutritional and chemical composition of the sugarcane pulp with a view to validating this claim. The results of proximate composition indicate relatively high amount of moisture ($71.91 \pm 0.05\%$) and a low level of dry matter (28.09%) consisting of carbohydrate (58.55 ± 0.04 g/100 g), fibre (29.88 g/100 g), ash (6.69 g/100 g) and some mineral elements, implying an active role in nutrient supplementation. Generous amount of phytochemical compounds such as alkaloids (8.07 ± 0.04 µg/100 g), saponins (5.57 ± 0.01 µg/100 g) and flavonoids (1.52 ± 0.02 µg/100 g); and mineral elements including magnesium (1.596 mg/100 g), potassium (0.639 mg/100 g), calcium (0.318 mg/100 g) and others in trace amount were also obtained. Antimicrobial results revealed that the sugarcane extract showed the highest growth inhibition against *Staphylococcus aureus* (8.67 - 24.00 mm) among the bacterial isolates and *C. albicans* (6.00 - 14.00 mm) for the fungal isolates studied. Data from the study suggest that sugarcane pulp could be suitable to use in

rehydration and as a functional food plant. Also, the plant possesses some antimicrobial qualities which could be beneficial to both pharmaceutical and food industries.

S. Boomiga (BP180908)
II M. Sc., Biochemistry

Medicinal Uses of Acalypha Indica

Indian Acalypha is a medicinal herb which is found in India, Pakistan, Sri Lanka, Yemen and Africa. It grows as weed in waste areas, garden and along roadsides. Studies have proven its antibacterial activity against several gram positive bacteria. In lab experiments on albino rats it shows reversible anti-implantation activity due to some oestrogenic activity. Its ethanol leaves extract possess potent snake venom neutralizing properties. It has marked action on digestive system and respiratory organs. In India as well as in Africa, it is used as medicinal plant. In West Africa the leaves are cooked and eaten as vegetable. In traditional Tamil Siddha it is believed to rejuvenate the body. Indian *Acalypha* is also eaten by cats to cure constipation and indigestion. The cats search for this plant and chew its leaves and roots. The Indian plant *Acalypha* reportedly possesses diuretic, purgative, anti-bacterial, antifungal, and anthelmintic properties. This medicinal plant is traditionally used for treating intestinal worms, gum problems, stomach aches, hernia, rheumatism, bronchitis, asthma, pneumonia, scabies and skin diseases. It can be used externally and internally for medicinal purpose. This plant is used to treat stomach infections, piles, skin diseases, muscular pains, bed sores, wounds and itching.

R. Sandhiya (BP180911)
II M. Sc., Biochemistry

Control Services in Rice Fields (Eco Agriculture)

Pesticides are commonly used in food crop production system to avoid the crop pests, diseases and to increase the yield with high market value. But the accumulation of these chemicals in crop field increase risks to biodiversity and human health. Mostly people are looking for pesticide free food. Rice is the most important staple food for a large part of the world's human population. Rice provides more than one fifth of the calories consumed by humans. The pests (*nilaparvata lugens*, *laodelphax striatellus*) cause hundreds of millions of dollars of loss every year and threaten food security in regions where rice is the staple food. We can reduce chemical pesticide in rice production system by suppressing the crop pest with natural enemies (*paederus fuscipes*, *microvelia douglasi*). Now a days predators and parasitoids often don't persist in rice production landscapes due to the absence of nutritional source. We can modify the existing rice landscape through an eco-engineering technique that aims to increase the natural biocontrol agents for crop protection. In this system, planting nectar-rich flowering plants on rice bunds provides food and shelter to enhance the biocontrol agent's activity and reduce pest numbers. The nectar-rich flowering crops in rice landscapes can enhance natural enemies.

This approach could help to restore rice ecosystems, conserve natural enemies that ultimately help reduce production costs and chemical inputs, reduce pest infestations, and reduce labour in terms of pesticide spraying and thus increase net income.

S. Aishwarya (BP180917)
II M. Sc., Biochemistry

A Review on Potential Benefits of Red Beetroot

In recent years there has been a growing interest in the biological activity of red beetroot (*Beta vulgaris rubra*) and its potential utility as health promoting and disease preventing functional food. As a source of nitrate, beetroot ingestion provides a natural means of increasing in Vivo Nitric Oxide (NO) availability and has emerged as a potential strategy to prevent and manage pathologies associated with diminished NO bio-availability, notably hypertension and endothelial function. Beetroot is also being considered as a promising therapeutic treatment in a range of clinical pathologies associated with oxidative stress and inflammation. Its constituents, most notably the betalain pigments, display potent antioxidant, anti-inflammatory and chemo-preventive activity in vitro and in vivo. The purpose of this review is to discuss beetroot's biological activity and to evaluate evidence from studies that specifically investigated the effect of beetroot supplementation on inflammation, oxidative stress, cognition and endothelial function.

A. Azharudhin (BP180918)
II M. Sc., Biochemistry

Medicinal Importance of Centella Asiatica

Centella Asiatica also known as **gotu kola** and **mandukparni** is an ancient Indian herb. The stems are slender and reddish green in colour. The leaves are in shape of a fan with long stalks. The root is of cream colour and covered with hair. The flowers grow in rounded bunches and are pinkish-red in colour. Each flower has five stamens and two styles. The fruits are smooth, warty and ribbed. The plant is cultivated throughout India. The leaves of the plant contain glucoside, asiaticoside and acetic acid. The leaves and root contain acetic acid. The dried leaf contains centoic acid. The entire plant is rich in Vitamin B and C and carotenoids. It helps in enhancing memory and clarity. *Centella Asiatica* allows blood flow smoothly in the body, increases the count of white blood cell and purifies the blood and is also used as a rejuvenating agent to promote youth, treatment of hysteria, agitation, insomnia and epilepsy. It is also used against elephantiasis by applying the paste on it. It is also useful for urinary tract disorder. *Centella Asiatica* cures skin infection and diseases, swelling, and chronic ulcers, cures cold, cough, asthma and hoarseness of voice. It is also useful for the treatment of cancer and beneficial for healing the wounds. Gotu kola enhances the immunity of the body. The plant is useful for the treatment of gastrointestinal problems. It brings down the body temperature caused due to fever. Gotu kola reduces female sterility. The powder mixed with coconut oil reduces hair fall, strengthens the hair and promotes hair growth. It is useful for the children for bowel disorder.

D. Tulasidasan (BU170909)
III B. Sc., Biochemistry

Jyonneos

Jynneos (smallpox and monkey pox vaccine, live and non-replicating) is a vaccine indicated for the prevention of smallpox and monkey pox in adults. Jynneos is prescribed for people who are at high risk of infection from smallpox or monkey pox, which both belong to the *Orthopox virus*, a genus of viruses. Smallpox was declared eradicated worldwide in 1980 after a global vaccination campaign, and no longer occurs naturally, but could potentially re-emerge as a result of deliberate or accidental release. Monkey pox has been reported more recently, with all cases having origins in Nigeria. With increased observations of human-to-

human transmission, and a large foreign workforce based in central Africa, monkey pox vaccination may become an option for prospective travellers to affected areas. Jynneos is made from a modified form of the vaccinia virus called Modified Vaccinia Ankara, which is non-replicating and incapable of reproducing in human cells. Jynneos is therefore suitable to be used in people with weakened immune systems or who are at high risk of adverse reactions to traditional smallpox vaccines, which are based on replicating vaccinia virus strains. Jynneos is administered via subcutaneous injection as two doses, given four weeks apart. Common side effects include injection site reactions, muscle pain, headache, fatigue, nausea, myalgia and chills.

J. Oviya. (BU170912)
III B.Sc., Biochemistry

Biomaterials

A biomaterial helps to improve the quality of life and longevity of humans. Over the last decade it has become clear that the demand for biomaterials has increased rapidly due to the aging population present in practically all the countries of the world, with the elderly being at higher risk of hard tissue insufficiency. Biological and mechanical biocompatibility of metal biomaterials require much improvement. It is sought to achieve a longer shelf life of the implant biomaterial or that it lasts until the end of life without failures or need for revision surgery. Biomaterials must meet several criteria, such as excellent biocompatibility, adequate mechanical compatibility and high corrosion and wear resistance. The present work aims to perform a description of biomaterials and some properties for their choice, evidencing some characteristics of the biomaterial of titanium and its alloys.

A. Murali (BU170918)
III B.Sc., Biochemistry

Histone Deacetylase Inhibition Promotes Breast Cancer Metastasis from Lymph Nodes

Metastasis causes 90% of all cancer-related deaths. Although the most common site of initial spread in most cancers is to Lymph Nodes (LNs), which correspond with a worsened prognosis. The contribution that loco regional Lymph Node metastasis has on seeding distant organs remains highly controversial. Lymph Node metastasis corresponds with a worse prognosis in nearly all types of cancers, the occurrence of cancer spreading from Lymph Nodes remains controversial. Additionally, the mechanisms showed how cancers survive and exit Lymph Nodes. Lymph Nodes are largely unknown. They have revealed that breast cancer patients frequently have Lymph Nodes metastasis that closely resembles distant metastasis. In addition, using a microsurgical model is evaluated that the Lymph Nodes metastasis development and dissemination is regulated by the expression of a chromatin modifier, Histone Deacetylase 11 (HDAC11). Genetic and pharmacologic blockade of HDAC11 decreases Lymph Nodes and the tumor growth substantially increases migration and distant metastasis formation. It can be concluded that the HDAC11 plasticity promotes breast cancer growth as well as dissemination from Lymph Nodes and suggests caution with the use of HDAC as inhibitors.

Mwandila Sydney (BU170945)
III B. Sc., Biochemistry

Medicinal Uses of Lemon

Lemon is used to treat scurvy, a condition caused by not having enough vitamin C. Lemon is also used for the common cold and flu, H1N1 (swine) flu, ringing in the ears (tinnitus), Meniere's disease, stomach upset and vomiting from pregnancy, and kidney stones. It is also used to aid digestion, reduce pain and swelling (inflammation), lower blood pressure, improve the function of blood vessels, and increase urination to reduce fluid retention. In food, lemon is used as a food and flavouring ingredient.

How Does It Work?

Lemon contains antioxidants called bioflavonoids. Researchers think these bioflavonoids which are present in lemon are responsible for the health benefits.

Uses and Effectiveness: Insufficient Evidence for Hay Fever

Allergies

Result from a small study shows that using a nasal spray containing lemon and quince doesn't help allergy symptoms.

High Blood Pressure

Middle-aged women who drink more lemon juice or eat more lemons seem to have lower systolic blood pressure (the top number). They don't seem to have lower diastolic blood pressure (the bottom number).

Meniere's Disease

There are some reports that a chemical in lemon might improve hearing and decrease dizziness, nausea, and vomiting in some people with Meniere's disease.

Kidney Stones

Not having enough citrate in the urine seems to increase the risk of developing kidney stones. There is some evidence that drinking 2 liters of lemonade throughout the day can significantly raise citrate levels in the urine. This might help to prevent kidney stones in these people.

Pregnancy induced Nausea and Vomiting

A small study shows that placing lemon essential oil on a cotton ball and inhaling the scent might reduce nausea in pregnant women, decrease swelling, increase urine, help in common cold and flu and treat scurvy.

B. Karthikeyan (BU170947)
III B.Sc., Biochemistry

Corner of Your Heart

COLLEGE LIFE is something that is very precious. There will be a lot of moments to cherish, reflect, adore and feel excited about. A lot of tears and smile, friendship, celebrations, fights, night studies, success, failures and mistakes too. After all, all these things are inevitable for our betterment. This is a place where we've come to know ourselves, to make good friends, to learn lessons for life. But think about this, how many of us work for our betterment during college days along with enjoyment of course? Every day is an opportunity to become better than before. So friends, improve your silver, study well, reach heights, motivate, and help one another during hard times. Because we just have only one life. Never give up on your effort because one day your effort will bear its fruit. Keep going no matter what. We are the future pillars of our Nation. So folks we are socially responsible.

Keep your burning spirits alive to make this world a better place. Be the change you want to see. Widen your knowledge; make a meaningful stay in the college.

Be yourself, be unique.....

M. Nisha (AU171166)
III B.A. English (Shift-I)

Biotechnology

Biotechnology is the use of living organism to develop or to make useful products for example breads and curd with the help of microorganism. European Federation Biotechnology (EFB) has defined biotechnology as the integration of nature of science and organisms of cells. Karoly Eruky is the father of biotechnology who led the production of many processes like biochemistry and microbiology.

Principles of Biotechnology

- Genetic engineering
- Chemical engineering
- Technique of genetic engineering, creation of recombinant DNA, uses of gene cloning and gene transfer
- Basic steps involved in this process are isolating genomic DNA, fermenting this DNA, screening the fragment, insertion of DNA in vector, introducing host, culturing the cells, transformation of host cell enzymes which is used to cut in DNA in recombinant technology restriction enzymes which belong to nuclease class of enzymes
- Restriction endonuclease recognize specific palindromic nucleotide sequence in DNA
- Restriction of enzymes in two types
 - Restriction of endonuclease DNA
 - Restriction of endonuclease

V. Karthikeyan (BU180915)
II B. Sc., Biochemistry

Evaluating Medicinal Plants for Anticancer Activity

Plants have been used for medical purposes since the beginning of human history and are the basis of modern medicine. Most chemotherapeutic drugs for cancer treatment are molecules identified and isolated from plants or their synthetic derivatives. Our hypothesis was that whole plant extracts selected according to ethno botanical sources of historical use might contain multiple molecules with antitumor activities that could be very effective in killing human cancer cells. This study examined the effects of three whole plant extracts (ethanol extraction) on human tumor cells. The extracts were from *Urtica membranacea* (Urticaceae), *Artemisia monosperma* (Asteraceae), and *Origanum dayi post* (Labiatae). All three plant extracts exhibited dose- and time-dependent killing capabilities in various human derived tumor cell lines and primary cultures established from patients' biopsies. The killing activity was specific toward tumor cells, as the plant extracts had no effect on primary cultures of healthy human cells. Cell death caused by the whole plant extracts is via apoptosis. Plant extract 5 (*Urtica membranacea*) showed particularly strong anticancer capabilities since it

inhibited actual tumor progression in a breast adenocarcinoma mouse model. The results suggest that whole plant extracts are promising anticancer reagents.

Keywords: Medicinal Plants, Anticancer Activity, Phytochemicals, Plant extracts.

R. Kowsalya (BU180920)
II B.Sc., Biochemistry

A Review on Anticancer Activity of Neem

A wide range of studies has pointed out the important anticancer activity of neem once of nutraceuticals as reservoirs of therapeutic compounds for several diseases, including cancer. This study is centered on the role of some nutraceuticals as anticancer agents and on their efficiency in the oncological gynecological field. Gynecological cancers include cervical, ovarian, and breast neoplasia and these are the major causes of morbidity and mortality in the female population. Cervical neoplasia affects sexually active women aged between 30 and 40 years and is considered the second leading cause of death for women worldwide. Epidemiological studies have shown a strong association of this cancer with Human Papilloma Virus (HPV) infection, independent of any others risk factors. Ovarian cancer represents about 4% of all women's cancers and breast neoplasia registers 52.8 new cases per 100,000 women annually. Since ancient times, herbal therapies have shown a wide range of beneficial effects and a high potential for safeguarding human health. *Azadirachta indica* (Neem) is a medicinal plant of Indian origin, a tree with more of 140 isolated compounds and at least 35 biologically active principles that have shown an important influence as tumor suppressors by interfering with the carcinogenesis process. Used for centuries in Asia as a natural remedy for cancer, neem compounds present in bark, leaves, flowers, and seed oil have been shown to possess properties such as chemo preventive capacity, apoptotic activities, immunomodulatory effects, and induction of p53-independent apoptosis. The current study is a systematic literature review based on the anticarcinogenic potential of neem compounds in gynecological cancers.

S. Aarthi (BU180923)
II B.Sc., Biochemistry

Antimicrobial Activity of Medicinal Plants

Ethno botanical reports on more than 100 southern African medicinal plants with dermatological relevance have been highlighted, yet there is still limited scientific data to support claims for their antimicrobial effectiveness against skin pathogens. Guided by ethnobotanical data, this paper explores the antimicrobial efficacies of southern African medicinal plants used to treat skin ailments and to investigate the antimicrobial properties of southern African medicinal plants against dermatologically relevant pathogens. The study also aim at providing a scientific rationale for the traditional use of plant combinations to treat skin diseases and the isolation of the bio-active compound from the most active species Organic and aqueous extracts were prepared from 47 plant species and screened for antimicrobial properties against dermatologically relevant pathogens using the micro-titre plate dilution method. Four different plant combinations were investigated for interactive properties and the sum of the fractional inhibitory concentration (Σ FIC) calculated. Isobolograms were used to further investigate the antimicrobial interactive properties of *Pentania prunelloides* combined with *Elephantorrhiza elephantina* at varied ratios. A

bioactivity-guided fractionation process was adopted to fractionate the organic leaf extract of *Aristea ecklonii*. Plants demonstrating notable broad-spectrum activities (MIC values ≤ 1.00 mg/ml) against the tested pathogens included extracts from *Aristea ecklonii*, *Chenopodium ambrosioides*, *Diospyros mespiliformis*, *Elephantorrhiza elephantina*, *Eucalyptus camaldulensis*, *Gunnera perpensa*, *Harpephyllum caffrum*, *Hypericum perforatum*, *Melianthus comosus*, *Terminalia sericea* and *Warburgia salutaris*. The organic extract of *Elephantorrhiza elephantina*, a plant reportedly used to treat *acne vulgaris*, demonstrated noteworthy antimicrobial activity (MIC value of 0.05 mg/ml) against *Propionibacterium acnes*. Similarly, *Diospyros mespiliformis* reported for its traditional use to treat ringworm, also displayed noteworthy antimicrobial activity against *Trichophyton mentagrophytes* (MIC 0.10 mg/ml) and *Microsporum canis* (MIC 0.50 mg/ml). The aqueous root extracts of *Pentania prunelloides* combined (1:1) with *Elephantorrhiza elephantina* displayed synergistic interactions against *Staphylococcus aureus*, gentamycin–methicillin resistant *Staphylococcus aureus*, *Staphylococcus epidermidis* and *Candida albicans*. Fractionation of *Aristea ecklonii* resulted in the isolation of the known bio-active compound, plumbagin, displaying noteworthy activity (MIC range between 2.00 $\mu\text{g/ml}$ and 16.00 $\mu\text{g/ml}$). Most of the plant extracts demonstrated pathogen specific antimicrobial effects with a few exhibiting broad-spectrum activities. Positive antimicrobial effects noted for plants.

A. Buvaneshwaran (BU180932)
II B.Sc., Biochemistry

Bone Cancer

Cancer can start in any part of any bone. Cancer begins when healthy cells in the bone change and grow out of control, forming a mass called a tumor. A bone tumor can be cancerous or benign. A cancerous tumor is malignant, meaning it can grow and spread to other parts of the body. A malignant tumor can destroy the cortex and spread to nearby tissue. If these bone tumor cells get into the bloodstream, they can spread to other parts of the body, especially the lungs, through a process called metastasis. A benign tumor means the tumor can grow, but it will not spread to other parts of the body. Even though a benign tumor does not spread outside the bone, it can grow large enough to press on surrounding tissue, weaken the bone, and cause the bone to fracture.

D. Shabreen (BU180951)
II B.Sc., Biochemistry

A Good Hearted Man

Once there was a poor woman with scruffy outlook, wearing ragged and patched clothes. Her seamed and negroid face looked scungy. She was carrying a 24 month old weak baby with dimpled cheeks. The woman was wandering bearing the little child. The lady was without food for 2 days and the lanky child was greedy. There was no water to drink. The lady was walking for a mile. She was not able to take the next step forward. She was begging for food and water. The colony people scolded and drove out the negroid lady. The baby was crying more and more. Both were very hungry. All these were noticed by the young poor disabled man.

No other people in the colony came forward to help the poor lady and the baby. Only the man who was not able to walk came near the untidy lady and gave them food and water. This was seen by the colony people and they felt bad and were ashamed of their activities towards the lady. They came forward and gave what they had to eat and also shelter to stay. The lady

and baby felt good and smiled. She thanked them whole heartedly with tear in eyes. "If you cannot feed a hundred people atleast feed just one". If you help a single person once in your life God will help you throughout your life.

N. Pavithra (AU181101)
II B.A., English (Shift-I)

Bernard Lonergan's: The Affirmation of God

Our knowledge of God is completely reasonable and therefore we can affirm that God exists. Lonergan says that God is an intelligent being existing in real. He is self-explanatory for every individual. This process happens in the minds of every individual. If one asks for the evidence of God's existence, Lonergan would say, He exists in concrete judgment of fact which is reasonable. There are many arguments for the affirmation of God. Here I present a few which is quoted in the book, '*Insight*' written by Lonergan. The Cartesian argument says that, God is a perfect being, therefore He exists. Human beings are imperfect in their existence. Therefore God exists. The Leibnizian argument is the most possible aspect of actuality of God. There is no one else, of course human beings exist but they perish that is only one being existing in actuality which is imperishable. However Lonergan's argument can be called as Ontological argument because he affirms God in the mind of the human beings. He speaks of the thinking pattern of human and affirms God's existence using intelligence. This is not of experience but of critical reflection.

*God is real,
Real is complete intelligence and
Real is being, therefore
Being is complete intelligence.
If complete intelligibility exists,
The idea of being exists.
If the idea of being exists, then God exists.*

This is how he proves. He is also inspired by Thomas Aquinas, the medieval philosopher who says, "Reason in man is rather like God in the world". This is what exactly Lonergan is trying to explain and affirm God's existence to us.

Casimir Joseph (BU181101)
II B. A., English (Shift-II)

Poems

Daughter's Price-Tag

Yes, stranger are we now!
Yet, so close
Is the bond to which we bow
I may call you any name though
I mean it not, no!

Together with thee;
Wait for my next birth

To be your firefly in darkness
Oh! Sweet dream
Which is unknown, yet sounds sweetest.

In my next birth, let me not be born
With daughter's price-tag bond
For parents assume as care but
ALAS! IT'S LOVER HECK PRICES

I shall pay thee
But not in my next birth
For how long love will lose sacrifice?
For 'them' Will's and reputation.
Will not love ever suffice?
Love happens when it happens, not created
Love; thus eternal word shall ever remain uncremated.

Houla Gracy (BP181139)
II M. A., English

Unrealistic Utterance

I stand and stare
 Slaying swindler
I crawl and cry to
 Correct his cruelty
A faithless friend I
 Find during fight
An absurd bond
 Abandoned my hand
A bad betrayal
 Backstabs this blind

His Judas kiss killed this
 Kith by kidding
A happy honeybee is
 Hunted by half-witted deeds
An inkling of an enemy
 Erased my insane love
A wicked man weighed
 His worth
A trauma in tears tore
 Things twice
A silent swindler sucked
 My sorrow

A single suspense strained
 My soul
A catchy crude ruled
 By snappy shy

A picture penned penetrate
Into a penny bond

A divine less bond darkened
My delight

I pursue to praise you
I swear to study you
I love to learn you

H. Prithika (AU171105)
III B.A., English (Shift-I)

My Void Love

Life is a journey,
You are my Destination;
Living without you is troublesome,
My every incompleteness requires you.
It is my passion to be thy worth,
Even your pain is a gift,
The soul and body is mine,
But not as much as yours
Life is devoid of thy presence,
There is no other way of living,
Love to thee devotion
You may not be aware of it, but
My journey doesn't depend on you,
My life is more charming than Destination.

J. Gideon (AU171111)
III B.A., English (Shift-I)

The Little Fly (Mosquitoes)

In my peaceful night,
came You like a knight,
Oh! You the tiny fly,
Made sometimes cry,
You came from rubbish,
And suck my reddish,
Came like a minute pest,
Nights are going without rest,
You tested our patience,
Also made us patients,
You're so awesome,
Even though you die with the claps of some.

Don't Let Yourself ...

Worry when you are doing
Your best

Hurry when the success
Depends upon accuracy

Think evil of a friend until
You have the facts

Believe a thing is impossible
Without trying it

Waste time on peevish and
Peeving matters

Imagine that good intentions
Are satisfying excuses

Harbour bitterness in your
Mind

But Let Yourself
Towards God and man....

S. Narmatha (AU171117)
III B.A. English (Shift-I)

Why not Black?

Can I love black?
It's our nature.
Why are we fake?
Which could change our future.

Even apple of our eye is Black,
There is no vision without it.
Even rain giving clouds are dark,
There is no life without that.

All follow blackish things,
Which is only vanity.
But they unfollow realities,
Which would take to eternity.

Life producing seeds are black,
Which produce fruits in turn.
Rapid roads are also black,
By the wheels rushing often.

Then with a black flag I ask,
Does anyone still love it?
While others wear colourful mask,
Holding white flags to my sight.
'By the heavy wind both flew,
Together in the same view.'
My eyes saw in awe.

D. Aneesh Peter Nathan (AU171119)
III B.A., English (Shift-I)

Winter Fire

As I feel cold here
Let the heat be risen
To warm-up my blood
Let me live through winter fire
The breeze of warm air
Makes me alive until the warmness here
May it ruin me by buffeting wind!
Let, the winter-fire embrace me
Through the all sustenance
From you, glory of living

S. Bhuvaneshwari (AU171161)
III B.A., English (Shift-I)

Blue with Sound

The sea starts to spread wide and broad
As it has been, goes still
This blue wherever sits
Upon my head seems untimely
To be here for this day
I wish it to be prolonged
Not with silence, as it raptures
By waves struck my ears to hear
With melting my soul into the place
Where blue wherever sits
It lays on to a new world of abysmal deep
Not in eyes through hearts
That would not be a pain for eyes
Ears, hence its pains the heart
In which the, blue delights me
Ever, until on this place
Which would unearthly, to present?
May, ever it happen lies with cause
That shapes us, be us, stay us
Until our death calls,
Nevertheless rely on good memories

Lays the whole breath of soul
Made me lousy over to these
Behind all the terrestrial things I'm
Now to forbid the vice
Stick over me, ever since the presence
Tranquil from where I lived before
Where I had pounding memories
Which need to have gone away?
To be ever sits upon my mind
An abysmal meaning of whole life
I live in imaginary sphere
Still now unfixed on the sphere
Where I do want to live
Nevertheless, no choice of exit
But I don't want to be alone
Needless to say of exit.

L. Santhosh Bernard (AU171172)
III B.A., English (Shift-I)

Loneliness

I feel as a lonely bird in the desert,
Every place seems to me like drought,
There is no comfort zone to take rest,
My eyes are filled with Reddish River,
Heart has melted like an ice mountain,
And I search for a companion; none exists,
I lifted my eyes to a far distance,
But it gave me only lonesome presence,
When my heart, mind, soul and spirit,
That longed for happiest calendar,
Suddenly, a voice arose from my deep heart,
God speaks, O my lovable child,
Every isolated can be cared by me,
When you search for mortals as companions,
I am the immortal who is ready to console you

S. Riya, (AU181111)
II B.A., English (Shift - II)

The Last Benchers

People think that we are the last,
But we were the pure fun blast,
We were caught for every error,
Because they think, that we are the terror,
We never mind about the cost,
We don't feel that we have lost
Mostly they remain single,

With people they can easily mingle
Never turned back to see the past,
Because everyone knows past had lost
Going through lot of activity,
Which leads to our creativity,
People speak about our histories,
Because we have solved many mysteries.

The Dream Team (CSK)

Showing our extreme love,
To our men in yellow,
Your shots were not just a shot
You made us feel hot,
Yellow fills the ground
Even though you're huge in number,
Consider you as our family members
Made the world see around,
If you are in the crowd,
It will be your dream proud
Here comes the captain cool,
Then the ground will be in his rule
He finishes off in style,
Which speaks for mile
Let's start to whistle,
For this yellow missile
It's not just a team
It's our dream.

S. Raguneshwaran (BU181116)
II B. A., English (Shift-II)

To Someone Special

I wasn't aware of you for many days,
Till the day when I got a blissful sight of you;
I love the way you look into my eyes,
And suddenly you just ignore me, don't know why!

To you I have started to give myself,
For which I believe that you're my destiny;
I splash into the pleasure which is consuming,
My passion for you is deep and blooming.

When I think of you, you fill my mind;
There's no more thinking room I find.
No matter which path I took,
I'd dream the images of how you look.

Before you, there were others, but none captured,
My mind, heart and soul forever like you did.

I never gave up on my dreaming, I persisted because, I know!
A wait for real love is worth waiting to come true.

A. Khaleel (BU181132)
II B.A., English (Shift-II)

The Prisoned Secrets

The words I locked up
In the cell of my heart,
Never do I want them to come out,
Though there's no place for more.
Feel like I shouldn't guard them anymore;
But to the core, I want them locked up,
In the cells of my heart forever.
I want them to hide
Their nature, gestures and all
From the morning sun,
From the even-tide,
From the noon's light,
And from the moon's night.
I want them to hide,
Hide themselves from the world;
For they will tear my heart
When they come alive,
Revealing their life which is past long forgotten,
And lock up mine inside a prison of guilt
Of which I never even dreamt,
To pop up and destroy life I thus far built.

A. Ebenezer Ruth (BU191156)
I B. A., English (Shift-II)

Fathers of Genres in English

Father of English Literature-Geoffrey Chaucer.
Father of English Poetry- Chaucer.
Father of English Short story-Chaucer.
Father of English Biography-Chaucer.
Father of English Autobiography- Chaucer.
Father of English Essay- Francis Bacon.
Father of English Drama-William Shakespeare.
Father of English Novel-Henry Fielding.
Father of English Criticism-John Dryden.
Father of English Sonnet-Thomas Wyatt.
Father of English Ballad-William Wordsworth.
Father of English Satire-Robert Kirby.

S. Varshini (AU191170)
I B.A., English (Shift -I)

You're the Best (Friend)

If you always try your best
Then you'll never have to wonder
About what you could have done
If you'd summoned all your thunder
And if you're best
Was not as good
As you hoped it would be,
You still could say,
"I gave today
All that I had in me".

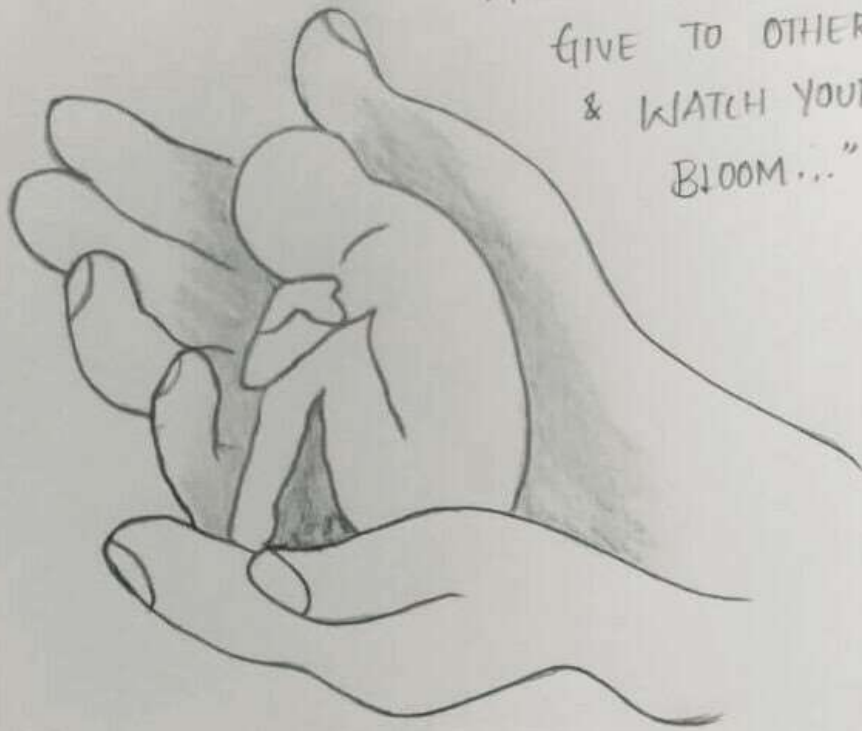
R. Arulkumar (AU191125)
I B.A., English (Shift-I)

Number One Teacher

A teacher should have
A special place
In every child's heart.
Because in this game of life,
They help them get their start.
I just want to thank you,
For all the things you've done.
You're a very special teacher
And to me you're number one!

P. Poovarasan (AU191142)
I B.A., English (Shift -I)

"GIVE YOURSELF THE
SAME CARE &
ATTENTION THAT YOU
GIVE TO OTHERS
& WATCH YOURSELF
BLOOM..."



By,
S. Jancy.
II - M. Sc. COUNSELLING PSYCHOLOGY.

ஒற்றைக் காலுடன் உயரமான சிகரத்தைத் தொட்ட வீராங்கனை

2011-ஆம் ஆண்டு, ஏப்ரல் 12-ஆம் தேதி உத்தரப்பிரதேச தலைநகர் லக்னோவிலிருந்து டில்லி செல்லும் 'பத்மாவதி எக்ஸ்பிரஸ்' இரயிலில் பயணம் செய்தார், தேசிய அளவில் வாலிபால் போட்டிகளில் பங்கேற்ற அருணிமா சின்ஹா. அப்போது அவருக்கு வயது 25. பயணத்தில் அப்போது அவர் இருந்த பெட்டியில் நுழைந்த கொள்ளையர்கள், பயணிகளைத் தாக்கி பணம், நகைகளைப் பறித்தனர். இதைப் பார்த்த அருணிமா சின்ஹா கொள்ளையர்களை விரட்டினார். எனினும் அதிக எண்ணிக்கையில் இருந்த கொள்ளையர்களை அவரால் விரட்ட முடியவில்லை.

அவர்களிடம் சிக்கிய அந்தப் பெண்ணை, சரமாரியாக தாக்கிய கொள்ளையர்கள் ஓடும் இரயிலில் இருந்து வெளியே வீசினர். அடுத்த தண்டவாளத்தில் போய் விழுந்த அந்தப்பெண் மீது எதிரே வந்த இரயில் ஏறியது. இறந்தே விட்டார் எனப் பலரும் எதிர்பார்த்த நிலையில் வலது காலை மட்டும் இழந்தார்.

ஓராண்டு சிகிச்சை பெற்ற அந்தப் பெண் காலை இழந்தாலும், நம்பிக்கையை இழக்கவில்லை. கொஞ்சமாக தொங்கிக்கொண்டிருந்த வலது காலில், செயற்கை காலைப் பொருத்தி, இமயமலை மீது ஏறும் பயிற்சி பெற்றார். அதில் அவர் தேர்ச்சி பெறவே, 'உலகின் மிகப்பெரிய சிகரம்' எவரெஸ்ட் மீது ஏறி சாதனை படைத்தார். இதன்மூலம், ஒரு காலை இழந்த, எவரெஸ்ட் சிகரம் ஏறிய முதல் பெண் என்ற பெருமையை அருணிமா சின்ஹா பெற்றார்.

பனி சூழ்ந்த எவரெஸ்ட் சிகரத்தில் ஏறியதும் தன் முதுகுப் பையில் இருந்து இரண்டு திரிகூலங்களை எடுத்து தரையில் நட்டு வைத்தார். அருகிலேயே சுவாமி விவேகானந்தரின் படத்தையும் வைத்தார். சிவபெருமான் புகழ்பாடும் பாடல்களைப் பாடினார். ஒற்றைக் காலுடன் தன்னை உலகின் மிக உயரமான சிகரத்தை ஏற வைத்த இறைவனுக்கு நன்றி தெரிவித்தார்.

அதற்குப் பிறகு உலகப்புகழ் பெற்ற அருணிமா சின்ஹாவுக்கு பணம், புகழ் குவியத் தொடங்கியது. கிடைத்த பணத்தைக்கொண்டு மாற்றுத்திறனாளிகளுக்கு விளையாட்டுப் பயிற்சிப் பள்ளி துவக்கி வெற்றிகரமாக நடத்தி வருகிறார். அருணிமா சின்ஹா வாழ்க்கை நமக்கு உணர்த்துவது 'உண்டு என்று இரு வெற்றி உண்டு என்று இரு, மகிழ்ச்சியில் இறைவனை நினை, மனிதரை அவரோடு இணை' என்பதுதான்.

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

எங்கள் இதயத்தந்தை

எளிமையான தோற்றம்!
இருக்கையில் எப்பொழுதும்
சந்திக்கக் கிடைக்கின்ற
இயல்பான புன்முறுவல்!

செயலர் பொறுப்பென்றாலும்
சேவையே குடிகொண்டிருக்கும்
சிந்தனை வள்ளல்!

அந்தோணிராஜ் எனும்
அரும்பெயர் பெற்று
இன்முகத்துடன் எம்மை
ஆட்கொண்ட ஆசான்!

இல்லத்தந்தையாக இருந்து
இதயத்தை ஆளும் கோமான்!

தந்தையின் நிழலில்
இளைப்பாறுகின்ற அனுபவங்கள்
எமக்கு ஏராளமிருந்தும்
சில துளிகளை எடுத்துரைக்கிறேன்!

மலரினை வெல்லும்
உள்ளம் படைத்து...
மானுடம் செழித்திட
நாளும் உழைப்பவர்!

ஏற்றுக்கொண்ட பொறுப்பு
எதுவாகிலும்....அதில்
மாற்றம் படைத்து
மகிழ்ச்சியினில் திளைப்பவர்!

புன்னகை சிந்தும் இதழும்
கருணை தங்கும் சொல்லும்
புதுமை பொங்கும் சிந்தையும்
தந்தைக்கு வாய்த்த
தனிப்பெரும் உடைமைகள்!

ஏழையர் மீது இரக்கமும்
இன்னலுற்றோருக்கு ஆறுதலும்
கலங்கிய கண்களுக்குக் கனிவும்

தந்தை ஏற்றுக்கொண்ட
சுகமான கடமைகள்!

மறைவுரைகளில் நாளும்
தந்தை தந்த இறைவுரைகளால்...
கேட்போரின் இதயங்கள்
நன்மையின் விளைச்சலாயின!

காலை வழிபாட்டு உரைகளில்
தந்தை வழங்கும்
அறவுரைகள் அனைத்தும்
கேட்போர் மனங்களில்
மலர்ச்சியினைத் தந்தன!

தொற்று நோய்கள் போல்...
தொல்லைகள் வரினும்
பற்றுக்கம்பிகளாய்ப் படர்ந்து
தீர்வுகளைத் தெளிப்பவர்!

நடுநிலை மாறாத பண்பும்
பிழைகள் காணின்
நயமாக எடுத்துரைக்கும் மாண்பும்
சுமைகளைத் தானேற்றுச்
சுகங்களைப் பிறர்க்களிக்கும் அன்பும்
மறக்கவியலாத நினைவுகள்!

கல்லூரி வளர்ச்சியில்
முழுக்கவனம்!
தரத்தைக் காப்பதில் தனிக்கவனம்!
செயல்களில் சீர்திருத்தங்கள்..
தொலைநோக்குப் பார்வையிலேயே
தொடர்கின்ற பணிகள்!

பேராசிரியர் நலனில்
பெரிதும் அக்கறை
அவர்தம் பெருமைகளில்
அடைந்திடுவார் பேருவகை!
பணியாளர் மேம்பாட்டிற்காகப்
பல்வேறு நலத்திட்டங்கள் எனத்
தந்தை வகுத்தளித்திட்ட
சாதனைகள் எண்ணிலடங்கா!

காலந்தவறாமையும்
கடமை மறவாமையும்
அர்ப்பணிப்பு உணர்வும்
ஆரவாரமற்ற அருஞ்செயலும்
தந்தை எமக்குக் கற்றுத் தந்தவை!

“ஈடுபாடு கொண்டு உழைத்தால்
எப்பொழுதும் வெற்றி” என்பார்!
“அறவுணர்வு கலந்த செயல்திறனால்
ஆற்றல்களைப் பெறுக”
என அறிவுறுத்துவார்!

ஏட்டிலடங்கா எத்தனையோ
கருத்துகளை எடுத்துரைத்து
எம்மில் மாற்றங்களை விதைத்தவர்!

உதவிகள் ஊற்றெடுக்கும்
உயர்வுள்ளம் படைத்து
உண்மையின் உருவாய்த் திகழ்ந்து
இதயத்தந்தையாய் மிளிர்பவர்.

முனைவர் பொன். செல்வகுமார்
தமிழ்த்துறைத்தலைவர்

திருப்பத்தூர் மாவட்டச் சிறப்புகள்

வேலூர் மாவட்டத்தில் இருந்து கடந்த 2019-ஆம் ஆண்டு திருப்பத்தூர் மாவட்டம் புதிதாக உருவாக்கப்பட்டுள்ளது. இம்மாவட்டம் திருப்பத்தூர், வாணியம்பாடி, ஆம்பூர், நாட்டம்பள்ளி ஆகிய வட்டங்களை உள்ளடக்கியதாக உள்ளது.

இயற்கை

திருப்பத்தூர் மாவட்டம் இயற்கை எழில் கொஞ்சம் ‘ஏலகிரிமலை, ஜவ்வாதுமலை, நெக்னாமலைகளை’ உள்ளடக்கியப் பகுதியாகும். ஆந்திராவில் இருந்து ஓடிவரும் ‘பாலாறு’ வாணியம்பாடி வட்டம் புல்லூரில் தமிழகத்துள் புகுகிறது. இப்புல்லூர் திருப்பத்தூர் மாவட்டம் என்பதால் பாலாறு நுழையும் இடம் திருப்பத்தூர் மாவட்டமாக அமைகிறது.

சந்தன நகரம்

திருப்பத்தூர் நகரம் இந்தியாவிலேயே மிகப்பெரிய சந்தனக் கிடங்கு உள்ள நகரமாகும். இதற்குக் காரணம் ஜவ்வாதுமலையில் விளைந்த உயர்நகர சந்தன மரங்களேயாகும்.

அணையா விளக்கு

திருப்பத்தூர் நகரில் இரயில்வே ஸ்டேஷன் ரோட்டில் உள்ள 'ஈத்கா' மைதானத்தில் அணையா விளக்கு ஒன்று உள்ளது. இது தேசத்தந்தை மகாத்மா காந்தியால் ஏற்றப்பட்டது.

முதல் மாவட்ட ஆட்சித்தலைவர்

திருப்பத்தூர் மாவட்டத்தின் முதல் ஆட்சித்தலைவர் மதிப்பிற்குரிய ம.ப. சிவன்அருள், இ.ஆ.ப. ஆவார்.

கல்வி நிலையங்கள்

வேலூர் மாவட்டத்தின் ஒரு கூறாகத் திருப்பத்தூர் இருந்தபோதே திருப்பத்தூர் தனிக் கல்வி மாவட்டமாகச் செயல்பட்டது. அதற்குக் காரணம் அரசு பள்ளிகள், தனியார் பள்ளிகள் இப்பகுதியில் ஏராளமாக இருந்ததே ஆகும். குறிப்பாகத் திருப்பத்தூரில் அமைந்துள்ள நகராட்சி ஆண்கள் மேல்நிலைப்பள்ளி 100 ஆண்டுகளைக் கடந்த பள்ளியாகும்.

திருப்பத்தூர் மாவட்டத்தில் தூய நெஞ்சக் கல்லூரி (தன்னாட்சி), வாணியம்பாடியில் உள்ள இசுலாமியாக் கல்லூரி (தன்னாட்சி) ஆகிய இரண்டு கல்லூரிகளும் இம்மாவட்டத்தில் உயர்கல்வியை அளித்துவரும் பெரிய உயர்கல்வி நிறுவனங்களாக உள்ளன.

கல்வெட்டுகளில் திருப்பத்தூரும் அச்சமங்கலமும்

திருப்பத்தூர் மாவட்டத்தின் பழைய வரலாற்றைக் கல்வெட்டுகள் மூலம் இங்குக் காண வேண்டியது அவசியமாகிறது. ஆங்கிலேயர் ஆட்சிக் காலத்தில் சேலம் உள்ளிட்ட பகுதிகளின் தலைமை இடமாகத் திருப்பத்தூர் இருந்திருக்கிறது. கி.பி.10-ஆம் நூற்றாண்டில் பிற்காலச் சோழர் காலத்தில் கட்டப்பட்ட பத்துக் கோயில்களின் ஊர்களே திருப்பத்தூர் எனப் பெயர் பெற்றதாகக் கூறுவர். மேலும் ஆதியூர் முதல் கோடியூர் வரையிலான செல்வ வளம்மிக்க பத்து ஊர்கள் இருந்ததால் திரு + பத்து + ஊர் = திருப்பத்தூர் என ஊர் பெயர் வந்ததாகக் கூறப்படுகிறது. ஆனால் கி.பி.8-ஆம் நூற்றாண்டுக்கு முன்பே திருப்பத்தூர் பெயர் வழக்கில் இருந்துள்ளது. ஏலகிரி மலையிலுள்ள மங்களம் என்னும் கிராமத்தில் நுளம்ப மன்னன் ஸ்ரீமாறன் பல்லவன் காலத்தைச் சேர்ந்த நடுகல் கல்வெட்டு ஒன்று உள்ளது. இந்நடுகல் கல்வெட்டு பள்ளிக்கூடத்து ராமசாமி நிலத்தில் உள்ளது. இக்கல்வெட்டு, திருப்பத்தூர் மீது எடுக்கப்பட்ட போரில், திருப்பத்தூர் அழிந்த போது தாயலூர் கிராமத்தைச் சேர்ந்த "மழவர் பையன்" என்ற வீரன் போரிட்டு இறந்துள்ள செய்தியைப் பதிவு செய்கிறது. திருப்பத்தூர் என்னும் பெயர் 1200 ஆண்டுகளுக்கு முன்பே வழக்கில் இருந்த வரலாற்றுச் சிறப்பை இந்நடுகல் கல்வெட்டு தாங்கி நிற்கிறது. மேலும் திருப்பத்தூர் எயில் நாட்டில் இருந்ததையும் இக்கல்வெட்டு உறுதி செய்கிறது. கல்வெட்டு வாசகம் பின்வருமாறு,

ஸ்வஸ்தி ஸ்ரீ நுளம்ப சீமா
றன் எயினாடான் தாயலூர்
ருடைய மழப்பையன் திருப்பத்
தூர் அழிந்
த நாட்பட்டான்

என்று முடிகிறது.

மேலும் திருப்பத்தூருக்கு அருகேயுள்ள 'அச்சமங்கலம்' என்னும் ஊரும் திருப்பத்தூருக்கு இணையான பழைய ஊராக இருந்துள்ளது. ஆசனாம்பட்டில் பல்லவர் காலத்து மூன்று நடுகற்கள் எங்கள் குழுவால் கண்டறியப்பட்டுள்ளன.

அதில் ஒரு நடுகல் மாட்டுப் பொருளாதாரத்தை மையப்படுத்தி உள்ளது. பல்லவர் காலத்தில் மாடுகளைக் கவர்வதும் (திருடுவது), அதை மீட்பதும் பெரிய போர்களுக்கு வழிவகுத்துள்ளது. மாடு என்பது செல்வத்தைக் குறித்தது. பண்டையத் தமிழரின் பொருளாதாரம் மாட்டையே மையப்படுத்தி இருந்தது.

சிறுபாழ் நாட்டிலிருந்த அச்சமங்கலத்தைச் சேர்ந்த வேட்டரெடி வியமன் என்ற வீரன் தன் நாட்டு மாட்டு மந்தையைப் பகைவரிடம் இருந்து மீட்டுப் போரில் வீரமரணம் அடைந்த செய்தியை இக்கல்வெட்டு எடுத்துரைக்கிறது.

படுவூர் கோட்டம் பாழி நாட்டு
ஓச்சூர் சந்திர சேகரன் ஆண்டான்
குலைய மாறன் தொறு கொள்ள
சிறுபாழ் நாட்டு
அச்சமங்கலம் உடைய
வேட்டரெடி வியமன்
தொறு மீட்டுப் பட்டான்

என்னும் வாசகம் மூலம் அச்சமங்கலம் என்னும் ஊர் இருந்ததை அறியலாம். இதன் மூலம் திருப்பத்தூர் அதன் அருகிலுள்ள அச்சமங்கலம் ஆகிய ஊர்கள் 1200 ஆண்டுகளுக்கு முன்பிருந்தே மக்கள் வாழ்ந்த இடமாக அறிய முடிகிறது.

தமிழரின் பாரம்பரியம் மிக்க வீரத்தின் அடையாளமான நடுகற்கள் பல எழுத்துக்கள் இன்றியும், சில எழுத்துக்களுடனும், கல்வெட்டுகள் தனித்தும் கண்டறியப்பட்டுள்ளன. திருப்பத்தூர் மாவட்டம் இத்தகைய பழம்பெருமைகள் கொண்டது என்பது சிறப்புக்குரியது.

முனைவர் க. மோகன் காந்தி,
உதவிப்பேராசிரியர்
தமிழ்த்துறை (பிரிவு-1)

வாலிப நண்பா....

சிகரெட் புகையிலே
புதைந்து போனது போதும்
வியர்வை வித்துக்களை
மண்ணில் விதைத்து
வருந்தி உழை
வேலை இல்லை என்ற
வெட்டிப் பேச்சு போதும்
உழைப்பின் மகிமையை
உணர்ந்து கொள்
சுறுசுறுப்பை சுமந்து செல்லும்
சுண்டல் வியாபாரியிடம் கேள்

நீ படித்தது
எத்தனை என்று
பிறரிடம் கை கட்டாமல்
முயன்று முன்னேறு
ஏணிப்படி தெரியும்
தடுக்கி விழும் தருணங்களை
உதறிவிட்டு உயர்ந்து நில்
வாழ்க்கை பாதையில் வாசனை
உனக்குப் புரியும்
சூரியன் மறைவதும்
மற்றோரிடத்தில் சுடர்விட்டு ஒளிரவே
என்பதை உணர்ந்து கொள்.

திரு. லூ. பிரகாஷ் ஜான்பால்
இயற்பியல் ஆய்வக உதவியாளர்

விவசாயம்

குத்தகைக்கு நிலமும் வாங்கிப்
பயிர் செய்யக் கடனும் வாங்கிச்
செருப்படி பட்ட கதையை நான் சொல்லவா
கிணறோ வற்றிப் போச்சு,
நிலமோ வறண்டு போச்சு,
பயிரோ பட்டுப் போச்சு,
மழையோ ஏமாத்திப் போச்சு,
வங்கிக்காரன் பேசுறான்
ரொம்ப பேச்சு
வறட்சியால் அடங்கி விடுமோ
அவன் மூச்சு...
கடன் தள்ளுபடி என்று
காது கிழிய கத்தினான்
மேடை போட்டு அவனும்
வித விதமாய்
வித்தையும் காட்டினான்
எந்த ஆட்சி நல்லாட்சி
பதில் சொல்ல மறுக்கிறது
என் மனசாட்சி
மடிந்தவன் மீண்டும் பிறப்பானோ
ஒரு நல்லாட்சியை அவன் வந்து
இனி வளர்ப்பானோ?

ஜெ. லோகேஷ் பொன்னுசாமி (AP180210)
முதுகலைக் கணிதம் இரண்டாமாண்டு (பிரிவு-1)

சற்று யோசி பெண்ணே...!

நீ மட்டும் தான்

என் உலகம்

என்றே சொல்வான்

அவன் உன் மனதில் செய்வான் கலகம்

பெண்ணே ஆணுக்கு

ஆசை வந்தால்

நீயே என் உயிர் என்பான்

நீயற்ற உலகம் வெறும் சுழியம் என்பான்

பெண்ணே உன்னோடு வாழத் துணிந்தவன்

உன்னை விட்டுச் சாகத் துணிவானோ?

பெண்ணே ஆணின் ஆசைகளுக்கு

நீயும் அடிமையானால்

ஆணாதிக்கம் என்றும் ஒழியாது

ஆணாதிக்கம் வெறும் வார்த்தை அல்ல

பல பெண்களின் வரலாற்றைப் புரட்டிப் பார்

அதை அழிக்க உயிரிழந்தோர் பலர்

பெண்ணே

உன்னை உண்மையாக நேசித்தவன்

உன் ஆசைகளைப் புறக்கணிப்பு செய்வானோ?

பெண்ணே யோசி

பெண் என்பவள்

என்றும் கேள்வி குறிதான்

விடை வேண்டுமா

விரிவான விளக்கம் தேடு

சற்று யோசி

உன்னைப் பார்த்து பார்த்து வளர்த்துப்

பக்குவப்படுத்திய

உன் பெற்றோரை...?

பெண்ணே

பெண்ணாகப் பிறந்தாலே

வாழ்க்கைப் போர்க்களம் தான்

போரிடக் கற்றுக்கொள்

பெண்ணே ஆண் என்பவன்

யாரேனும் ஒருவளைக் காதல் செய்ய வேண்டும்

அப்போது பந்தாவாகத் திரியலாம் என்று எண்ணுகிறான்

இது நவீன கால

இளையோர் சிந்தனை

பெண்ணே நீ யோசி

உன்னை விட

உனக்கு சிறந்த அறிவுரை

யாரும் கூறிவிடப் போவதில்லை

பெண்ணே
இவ்வலகில் பெண் என்பவள்தான்
சிறந்தவள்
ஆனாலும் சொல்கிறேன்

இரவுக்கு மட்டுமே
விடியல் உண்டு
பெண்ணுக்குக் கிடையாது

பெண்ணே
கத்தி காட்டி மிரட்டுவது
அக்காலம்
புகைப்படம் காட்டி மிரட்டுவது
இக்காலம்

பெண்ணே யோசி
அவனைவிட உன்னை அதிகம்
நேசிக்கும் உள்ளங்களைப்
பெண்ணே யோசித்து
அவனிடம் சில கேள்விகள் எழுப்பு

எதற்கும் சாகத் துணிந்தவன்
கோழை அவனிடம்
கேள்வி எழுப்பு
உன் ஆசைகளைத் துறக்கச் சொன்னவனிடம்
கேள்விகள் எழுப்பு

என்னோடு எப்படி வாழ்வாய் என்று
என் உறவுகளை எல்லாம் அழித்து தான்
நான் உன்னோடு வாழ வேண்டுமா?
என்ற கேள்விகள்
பல எழுப்பு

என் தோழி உனக்காக
இந்தக் கிறுக்கனின் கிறுக்கல்கள்

இ. பெலிக்ஸ் சேவியர் (AP180231)
முதுகலைக் கணிதம் இரண்டாமாண்டு (பிரிவு-1)

வன்கொடுமை

மலர்கள் இங்கு
வாடுவதில்லை
வாட்டுகின்றனர்
கன்னிமலர்களுக்கும்
கண்விழிக்கா பெண்மலர்களுக்கும்
வித்தியாசமுண்டோ?
தாய் தந்த தேகம்
தெரு நாய்க்கு
அதன் மீது மோகம்

பாரினில் பண்பாட்டில்
பெரிதெனப் பெருமை பேசும்
பண்பாடற்ற தேசம்
தாயகம் காக்குமோ
தாய் உள்ளம் நோகாமல்
இரவுக்குக்கூட
விடியல் உண்டு
பெண் இனத்திற்கு உண்டோ?

பெ. லின்சியா மேரி (AP180233)
முதுகலைக் கணிதம் இரண்டாமாண்டு (பிரிவு-1)

முகநூல் பக்கம்

உற்றகோமன் என்றே
உன்னுள் மெது மெதுவாய் நுழைவான்
உன் தன்னம்பிக்கை என்ற பாதுகாப்பு வட்டத்தை
உடைத்தெறிவான்
உன் அந்தரங்கத்தை மெதுவாக
அலசிப் பார்ப்பான்
உன் நம்பிக்கையின் ஆழத்தை
உன்னை அறியாமல் அவன் மேல் வைப்பாய்
உன் அறியாமையால் அவன் வலைக்குள் சிக்கினால்
உன் உரத்த குரல் தான் உன்னைக் காப்பாற்றும்மோ...?

ம. சபரிநாதன் (AP180234)
முதுகலைக் கணிதம் இரண்டாமாண்டு (பிரிவு-1)

பிரியாவிடை

உடல் அளவில் ஓய்வென்னும் தனிமை ஒரு கொடுமை
உள்ளத்தளவில் தனிமை பேரின்ப அருமை
போதும் என்பது மனம் நிறைந்த பொறுமை
மக்கள் பணியே
மகத்தான பணியென்று
சமூகப் பணியை
அறப்பணியாய்
கொண்டு
ஆசிரியராய் பணிபுரியும்
சமூகத்துறைத் தலைவரே!
விண்ணில் உலா வரும்
வியத்தகு சிறு நட்சத்திரங்கள் போல்,
உலா வந்தாயோ
மாணவர்களின் நலனுக்காக
கற்றல் திறனின் கவிஞனாய்!
சிறு உளி தான் சிற்பமாக்குகிறது
கற்சிலையை, அதுபோல்

சிறு சிறு சொற்கள் கொண்டு
 சிறப்பாய் நீங்கள் ஆற்றும்
 ஆசிரியர் பணியும்,
 சிகரத்தை எட்டும் ஏணியாய்
 அமைவதும் நீ கற்றுத் தந்த கல்வி என்னும் பாலமே....
 நீங்கள் காலத்தின் கட்டாயத்தால்
 ஓய்வு பெறலாம்
 ஆனால்
 எங்களைப் போன்ற
 இளைஞர்களை வழிநடத்துவதில்
 உங்களுக்கு என்றுமே ஓய்வில்லை
 மரத்திற்கும் காற்றிற்கும் உள்ள உறவுபோல
 சமூகப்பணிக்கும் உமக்கும் உள்ள உறவு தொடரட்டும்.

மு. இந்துகவி (AP180614)
 சமூகப்பணித்துறை இரண்டாமாண்டு

உன்னை உனக்குள் தேடு

மனதால் இருகணைத்துகொள், அன்பின் தனிமையில் உனக்கு
 மரணமில்லை,
 மனதிற்கும், அறிவிற்கும் தூரம் வை,
 மனதை அறிவிடம் கொடுத்து ஆராய்ந்து பார்,
 அறிவை மனதிடம் முறை இட்டுப் பார்
 மனதிடம் மனு கொடுத்துக் கொண்டே இரு
 மனதின் மனநிலைகளை
 மனம் தாவும் பன்மை கொண்டது
 கிளைகளுக்கு இடையில் அல்ல,
 நிலைகளுக்கு ஏற்ப,
 தயக்கம் என்பது மனதிற்கு தேவை
 மயக்கம் என்ற நிலை
 உன்னை ஆட்கொள்ளாமல் இருக்க
 உன்னைவிட உன்னை அறிய இவ்வுலகில் எவருமில்லை
 நீ கண்ட நிலையில் நிலை இருந்தால்...
 மனதிடம் கேள்விகளைக் கேள்
 அறிவிடம் ஆராய்ந்து பார்த்து ஆலோசனைகளைப் பெற்றுக்கொள்
 உன் ஆழமான ஆழ்கடல்
 மனதிடம்...
 கரைக்கண்ட நிலைகளை கடக்க தேவை படகு
 அதுவே உன் மனம் கொண்ட பகுத்தறிவு
 மனதின் பயணம் மரணம் கொள்வதில்லை
 மரணம் மனதால் வருவதில்லை
 மனமே என்னை ஆட்கொண்டு பிறந்திடுவாயா...
 காலம் கொள்ளும் இம்மண்ணில் மனதில்...

ஆ. தட்சிணாமூர்த்தி (BP181417)
முதுகலை ஆற்றுப்படுத்தல் உளவியல் இரண்டாமாண்டு

அன்புள்ள மகளுக்கு...

உன்னை அள்ளி தூக்கிய போது
எனக்குள் ஒரு சக்தி என்னும் நம்பிக்கை பிறந்ததடி!
உன் பிஞ்சு காலில் உதைக்கும் போது
என் இதயம் புத்துணர்ச்சி அடைந்ததடி!
உன் மழலை பேச்சில் எப்போது அழைப்பாய்
அப்பா என்று! அதில் எத்தனை ஆனந்தம்!
மனைவியின் பேச்சை
கேட்காத கணவர்கள் கூட!
மகளின் பேச்சை கேட்பார்கள் தந்தையாக...!
அப்பாக்களுக்கு மட்டுமே தெரியும்
மகள்களுக்கு அப்பாக்கள் எப்போதும் அடிமைகளென்று...!
உன்னை வயிற்றில்
சுமக்கும் பாக்கியம்
எனக்கு இல்லை...
ஆகையால் தான்
நெஞ்சில் சுமந்து
தீர்த்துக்கொள்கிறேன்!
நீ பிறந்த நாள் முதல்
நீ என் மகள் என்று சொல்லாமல்
உன் தந்தை நான் என்று சொல்லி கர்வம் கொள்கிறேன் மகளே!

ர. கோகிலா (BU170834)
இளங்கலைத் தமிழ் முன்றாமாண்டு

உதயம்

உதிர்ந்த கிளையில் இலைகள்
குமிழ்த் தொடங்கின
நட்சத்திரங்கள்
மயில் தோகையில்
மறைக்கப்பட்டது
பூமி மரணம் அற்ற உலகமாய்
மாறிவிட்டது.
உன் குரல் ஓசை
காற்று செல்லாத இடத்திற்கு
அழைத்து சென்றது.
சொற்கள் இழந்து கொண்டிருந்த மொழி
குருதியைச் சலித்தது
வெளியே வந்தனர்

உன் குரல் இசை
கேட்காத செவியில்
சிலிர்த்தெழுந்தன நினைவு.
நினைவற்ற உணர்வில்
உன் விரல் தீண்டல்
என் மனத்தில்
உன் உருவம்.
கண்ணில் உயிர் இல்லை
என்னை கொள்கிறாய்.
மீண்டும்! மீண்டும்!
நினைக்கிறேன்
அந்த நாளை மறப்பதற்கு அல்ல!

வெ. செந்தமிழ் செல்வன் (BU170840)
இளங்கலைத் தமிழ் மூன்றாமாண்டு

நீர்

நீ இருந்த இடம் முன்பு பூந்தோட்டமாய் இருந்தது
இன்றோ பாலைவனமாய் ஆனது
கண்ணீரும் கம்பலையுமாய் இருக்கிறோம்
இன்று தண்ணீர் இல்லாமல்...
ஊற்று நீராய் இருந்த உன்னை
இன்று காணல் நீராய்க் கூட பார்க்க முடியவில்லையே...

புதுமைப்பெண்

புதுமையான உலகமடி இது
உனக்கான சுதந்திரம் கிடைக்கவில்லையே...
நீ பேசுகின்ற வார்த்தைகள்
இவர்களின் காதுகளில் விழவில்லையே...
அழுதாலும் புலம்பினாலும் பெண்ணே
ஆதிக்கம் நிறைந்தவரின் காலடிகளிலே உள்ளாய்...
உனக்கான வழித்தடம் உன் கையில்...
எழுந்து வா பெண்ணே...

கி. திவ்யா (BU180804)
இளங்கலைத் தமிழ் இரண்டாமாண்டு

எழுச்சி

என்னால் வரும் உறவு எத்தனை எனத்
தெரியுமா உனக்கு...
நான் வீழ்ந்து விட்டேன் என ஆடாதே
எழுந்தால் காணமல் போய்விடுவாய் நீ...

நான் யார் தெரிகிறதா?
நான் உற்பத்தி செய்யும் இயந்திரம் அல்ல!!!
உயிர் கொடுக்கும் இறைவன்!!!
மீண்டும் கூறுகிறேன் நான் தான் பெண்.

பா. காவியா (BU180818)
இளங்கலைத் தமிழ் இரண்டாமாண்டு

அன்றும் இன்றும்

அன்று வீடு நிறைய குழந்தைகள்
இன்று வீட்டுக்கு ஒரு குழந்தை
அன்று பெரியோர் சொல்லைப் பிள்ளைகள் கேட்டனர்
இன்று சிறியோர் சொல்ல பெரியோர் முழிக்கின்றனர்
அன்று குறைந்த வருமானம், நிறைந்த நிம்மதி
இன்று நிறைந்த வருமானம் நிம்மதி தான் இல்லை
அன்று படித்தால் வேலை
இன்று படிப்பதே வேலை
அன்று வீடுகள் நிறைய உறவுகள்
இன்று வீடுகள் நிறைய எந்திரங்கள்
அன்று உணவே மருந்து
இன்று மருந்தே உணவு
அன்று ஓடினோம் வயிற்றை நிறைக்க
இன்று ஓடுகிறோம் வயிற்றைக் குறைக்க
அன்று கைவீசி நடந்தோம்
இன்ற கைபேசியுடன் நடக்கிறோம்
அன்று வாழ்ந்தது தான் சுற்றுச்சூழல் வாழ்க்கை
இன்ற வாழ்கிறோம் சுற்றுச்சூழலை அழித்துவிட்டு ஏதோ
ஒரு வாழ்க்கை.

ர. அரிஷா (BU180863)
இளங்கலைத் தமிழ் இரண்டாமாண்டு

புதிதாய்

ஏடும் புதிதாய்
எழுத்தும் புதிதாய்
எண்ணில்விளக்கம் புதிதாய்!
ஆடும் நெஞ்சில்
அமைதி புதிதாய்
அலையாவண்ணம் புதிதாய்!
காலைக்கதிரும் காற்றும்புதிதாய்!
சோலைப்பூக்கள்
சூழல் புதிதாய்!
நாளும் புதிதாய்
நாட்காட்டியும் புதிதாய்!

பாலின் நிறமும்
பார்க்கப் புதிதாய்
பழகும்மனங்கள் அதுவாய்
இளைஞர் வாழ்வில் ஏற்கப்புதிதாய்

சந்தோஷ் (AU191146)
இளங்கலை ஆங்கிலம் முதலாமாண்டு (பிரிவு-1)

முட்டாள் ஞானி

அறிவுத்திறன் குறைவாக இருப்பின் 'முட்டாள்'. அதிக அறிவாற்றல் இருப்பின் 'ஞானி'. இவ்விரு குணத்தவரும் வாழ்நாள் முழுவதும் இன்பச் சுடரில் வாழ்கின்றனர். சாதாரண மனிதர்கள் முட்டாள் மற்றும் ஞானி எனும் இரு முனைகளிலும் கட்டப்படுகின்றனர். அதனாலே, இன்பமும் துன்பமும் என்ற இரு கண்ணோட்ட நிலைகளில் தடுமாறிகொண்டு இருக்கின்றோம். இரண்டிற்கும் இடையில் இருப்பது ஆபத்தின் ஆரம்பமாகவே இருக்கும். சமூகம் கண்ட முட்டாள்கள் யார்? ஞானிகள் யார்?

மு. திலக் (BP181403)
முதுகலை ஆற்றுப்படுத்தல் உளவியல் இரண்டாமாண்டு

திருவள்ளுவர் - அறத்தை எழுதியதன் நோக்கம்

- ❖ அறத்தால் துன்பம் நீங்கும்
- ❖ அறம் இருப்பதால் குற்றம் செய்பவர்களுக்கும் அச்சம் ஏற்படும்
- ❖ அறத்தோடு வாழ்ந்தால் சமூகத்தில் அங்கிகாரம் கிடைக்கும்
- ❖ பிறர் மனைவியை நோக்கும் குணத்திலிருந்து விடுபட
- ❖ முன் வினை பயனை அறிய
- ❖ தூய்மையான நட்பை ஏற்படுத்திக் கொள்ள
- ❖ நல்ல நட்பு, தீய நட்பை ஆராய
- ❖ இளமையில் அறம் செய்ய
- ❖ தீங்கு செய்தால் வரும் துன்பத்தை அறிந்து கொள்ள
- ❖ பொறுமையாக இருந்தால் வரும் நன்மையைத் தெரிந்துக்கொள்ள
- ❖ இல்வாழ்க்கையில் மகிழ்ச்சியாக இருக்க
- ❖ துறவு வாழ்க்கையில் ஈடுபட்டாலும் அறம் தேவை என்பதனை உணர
- ❖ பகிர்ந்து கொள்ளும் குணத்தை அறிந்து கொள்ள
- ❖ கள் உண்பதைத் தவிர்க்க
- ❖ பிறர் செய்யும் உதவியை மறக்காமல் இருக்க

- ❖ இறப்பதற்கு முன் முடிந்த அளவாவது பிறருக்கு உதவ வேண்டும் என்பதனைத் தெரிந்து கொள்ள
- ❖ பொய் பேசாமல் வாழ
- ❖ நிலையாமையை உணர்ந்து அறத்தைச்செய்யும் பண்பை வளர்த்துக் கொள்ள
- ❖ மக்கள் பேறு என்பது வாழ்க்கைக்கு எவ்வளவு முக்கியம் என்பதனை அறிந்து செயல்பட
- ❖ இல்லறம், துறவறம் இரண்டிற்கும் அறத்தின் அவசியத்தை உணர்ந்து வாழ்வதற்கு “அறம் வாழ்க்கைக்குக் கண் போன்றது.”

த. சர்மிளா (BP190802)
முதுகலைத் தமிழ் முதலாமாண்டு

லெமூரியா

குரங்கு இனத்தைச் சார்ந்த லிமூர் (lemur) எனும் விலங்கு பரிணாமப் படியில் சற்று கீழ்மட்டத்தில் உள்ள Prosimian எனும் பிரிவை சார்ந்ததாகும். இதில் ஒன்றான (Loris) தேவாங்குகள் ஆப்பிரிக்கா மடகாஸ்கர், தென்கிழக்கு ஆசியா நாடுகளில் மட்டும் வாழ்கின்றன. இவற்றை இணைத்திருக்க நிலப்பாலங்கள் முற்காலத்தில் இருந்திருக்க வேண்டும் என்பது ஹிக்கலின் வாதம்.

தென்கிழக்கு நாடுகளில் வெவ்வேறு நிலப்பரப்பில் உள்ள பாறைகள், படிவங்கள், கானுயிர்கள், தாவரங்கள் ஆகியவற்றில் ஒற்றுமை இருந்தன. இதனை அறிவியல் உலகு அன்று அறிந்த அறிவியல் கோட்பாடுகளால் விளக்க முற்பட்டன. அப்போது தான் வெக்னரின் விளக்கப்படமும், ஹிக்கலின் நிலப்பால வாதமும் முன்வைக்கப்பட்டன.

இங்கிலாந்தைச் சேர்ந்த உயிரியல் வல்லுநர் Philip Schator இந்தியாவிற்கும் மடகாஸ்கருக்கும் இடையே உள்ள கடலில் ஒரு பெரும் நிலப்பரப்பு இருந்திருக்க வேண்டும் என எண்ணினார். அதனை லெமூரியா (Lemuria) எனப் பெயரிட்டார். இவ்வாறு பலவீனமாக இருந்த லெமூரியாவுக்கு வித்துகள் விதைக்கப்பட்டன. எல்லாவற்றையும் தனியாக ஆராய்ந்தால் அது வெறும் கற்பனை என்பது புலனாகும் அட்லாண்டிஸ், லெமூரியா முதலியவை மேற்கத்திய நாடுகளிலேயே முதலில் தோன்றியது என்ற கருத்து இனவெறியால் உருவாக்கப்பட்டவையே. ஆகையால் The Theosophical Society என ஒன்றை உருவாக்கி எல்லோரையும் ஒன்று சேர்த்தனர்.

ரஷ்யா பெண்மணி ஹெலினா ப்ளாவட்ஸ்கியால் (Helena Blavatsky) தனது The Secret Doctrine - 1888 என்னும் புத்தகத்தில் ஆரிய (வெள்ளையர்) இனம் எப்படி பரிணமித்தது என விளக்க முயன்றார். மூல இனங்களான ஏழு இனங்கள் பரிணாம வளர்ச்சியடைந்தன என்றும் ஒவ்வொரு இனமும் ஒவ்வொரு கண்டத்தில் வாழ்ந்தன. அவற்றில் ஒன்று லெமூரியாவில் இருந்தது. மேலும் லெமூரியன் விலங்கு முட்டையிட்டு குஞ்சு பொரித்த விலங்கு அதில் பாரிணாமம் அடைந்த நான்காவது விலங்கே பாலூட்டி (பாலுணர்வு) பெற்ற விலங்கு என எழுதினார்.

மேலும் Wscoct மற்றும் Elliot தனது கருத்துக்களை முன்வைக்க ஆரம்பித்தனர். அதில் பல அபத்தமானவை. நுங்கு போன்ற நெலிவான உடலமைப்பைப் பெற்றவர்களாகவும் 4-5 மீட்டர் உயரமானவர்கள் என்றும் மூன்றாவது ஒரு கண் இருந்தது என்றும் பின்வசமாக வேகமாக ஓடுவார்கள் என எழுதினார்கள்.

லெமூரியா ஆதரவாளர்கள் இவைபற்றி கூறாமல், ஒரு பெரும் நிலப்பரப்பு இருந்ததாகக் கூறினர் என்று மட்டும் கூறிவிடுகின்றனர். அறிவியல் பதங்களைப் பயன்படுத்தி ஆய்வுக்கட்டுரைகள் போன்று தோற்றமளிக்கும். ஆனால் அறிவியல் ஆதாரமற்ற கருதுகோள்களை உருவாக்கும் மரபு இவ்வாறுதான் தோன்றியது எனலாம்.

1880-ல் லெமூரியா பற்றி ஐரோப்பாவில் உருவாக்கப்பட்ட மரபு பிரிட்டிஷ் காலனி ஆதிக்க காலத்தில் இந்தியாவுக்குள் நுழைந்தது. இக்கருதுகோளை திராவிடர்களின் தாயகம் பற்றி விளக்க பயன்படுத்தப்பட்டது.

இதற்கு முன்னரே தமிழில் பல இலக்கியங்களில் செவி வழி மரபிலும் பேச பட்ட வந்த ஒரு நிலப்பரப்பு (கோண்டு வானக் கண்டம்) உறுதிசெய்யப்பட்டது. கடற்கோளால் அழிந்துவிட்ட பிறகு வடக்கு நோக்கி புலம்பெயர்ந்தனர். அவர்களே சிந்து - கங்கை சமவெளி, மெசப்பெட்டோமியா, எகிப்து, சீனா, தென்அமெரிக்கா ஆகியவற்றிலும் நாகரித்தை உருவாக்கியது எனப் பரப்பப்பட்டது.

1920-களில் தென்னகத்தில் தமிழில் லெமூரியாவுக்கு குமரிக்கண்டம் எனப் பெயர் கொடுத்தனர். நாவலத்தீவு, லெமூரியா, கோண்ட்வானா என்பது அதற்கு கொடுக்கப்பட்ட மறுப்பெயர்களே. தமிழில் இக்கண்டத்தைப் பற்றிய பல்வேறு எச்சங்கள் காணப்படுகின்றன, தென்கோடியில் அழிந்துபோன இராமேஸ்வரம் போன்று கடல் சீற்றங்களாலும் எரிமலைகளாலும் குமரிக்கண்டம் முடிவுற்றது. தமிழர் வாழ்ந்த பெரும் நிலப்பரப்புக் குமரிக் கண்டம்.

சி. கார்வேந்தன் (BU180825)
இளங்கலைத் தமிழ் இரண்டாமாண்டு

இதயம் கவர்ந்த இல்லத்தந்தை அருட்திரு முனைவர் சி. அந்தோனிராஜ் அடிகளார்

‘தூய நெஞ்சக் கல்லூரி’ இப்பெயரை உச்சரிக்கும்போதே உள்ளம் இனிக்கும்; உவகை பொங்கும். காரணம் தெரியவேண்டுமா? எண்ணற்ற ஏழை, எளிய மாணவர்களின் வேடந்தாங்கல்; சோர்வடைந்தவர்களின் சுமைகளை இறக்கி வைக்கும் இரக்க நிழற்சாலை. என்னை மட்டுமில்லாமல் பலதரப்பட்ட மாணவர்களின் வாழ்க்கைத் தேரினை நல்வழி நோக்கி மடைமாற்றம் செய்த சொர்க்கபுரி எங்கள் தூய நெஞ்சக் கல்லூரி. எங்கு பார்த்தாலும் பச்சைப் பசேல் என்ற போர்வை பாதைகளை அலங்கரித்து, பாதங்களை இதமாக்கும். வண்ண வண்ண மலர்களைச் சூடி வானத்திற்கு வரவேற்பு கூறும் மரங்கள். கிளைகளில் இளைப்பாற வந்து, மனிதர்களை மனதுக்குள் கிண்டலிக்கின்ற பறவைக் கூட்டங்கள். பேசுவதும் பாடுவதுமான அப்பறவைகளின் பேச்சொலிகள்.... தேவனைத் துதி பாடும் பாடல்களாகவே என் காதுகளுக்குக் கேட்கும். அந்தப் பறவையொலிகளின் பேச்சொலிகளை மிஞ்சி நிற்கும் எம் தோழியர்களின் வேடிக்கையான பேச்சுகள். அதைக் கண்டிக்கிற பேராசிரியர்களின் பொய்க்கோபம். மருதானி பூசாமலேயே இயல்பாகச் சிவந்திருக்கும் அந்தக் கால்களை உரசும் கொலுசுகளின் சங்கீதம். நாளை அம்பேத்கர்களுக்கும் காரல் மார்க்சுகளுக்கும் உருவாக்கிட தேவையான அறிவைச் சுமந்திருக்கும் அமைதியான நூலகம். இவையெல்லாம் நிறைப்பதுதான் எங்கள் கல்லூரி மலர்வனம்.

இத்தகைய கல்லூரியில் வெள்ளந்தியான புன்சிரிப்புடன், குழந்தைத் தனத்தோட, நல்லொரு எதிர்கால வாழ்வைத் திட்டமிட்டுக்கொண்டிருக்கும் கண்களுடன் வெண் நரையுடன் 63 வயது இளைஞர் ஒருவர் இருக்கிறார். அவர் தான் நம் கல்லூரியின் இதயத்தந்தையான இல்லத்தந்தை அருட்திரு முனைவர் சி. அந்தோனிராஜ் அடிகளார். அவரைப் பற்றிக் கூற வேண்டுமென்றால் இந்த ஏடு அடங்காது. பண்புகளின் கொள்கலனாக, பாச மழை பொழியும் கார் முகிலாக, எண்ணற்ற சிறப்புகளைத் தனக்குள் தாங்கி செருக்கின்றி வாழும் சேவைச் செம்மல். விவசாய குடும்பத்தில் பிறந்து வளர்ந்தாலும், இறைவனின் திருப்பணியுடன் கல்விப்பணியினையும் தாங்கி வளர்ந்தவர். சலேசிய சபையில் இணைந்து ஏழையரின் வாழ்வுக்காக மெழுகுவர்த்தியாய் வாழ்ந்து கொண்டிருப்பவர். வெள்ளுடை அணிந்தவராய், வேக நடை நடப்பவராய், எங்கள் கண்களுக்குக் காட்சி தருபவராய்த் திகழ்பவர் எங்கள் இல்லத்தந்தை அடிகளார் அவர்கள்.

சலேசிய குழுமத்தில் மிகவும் சுறுசுறுப்பானவராய் என் கண்களுக்குப் படுபவர் இவரே. பல்வேறு பொறுப்புகளை இவர் ஏற்றுத் திறம்பட நடத்தியவர் என்பதைக் கேள்விப்பட்டுள்ளேன். அதற்குச் சாட்சியாய் விளங்குவது தந்தையின் அருளுரைகள். காலை வழிபாட்டின் போது அவரது வழிபாட்டு உரைகளைக் கேட்க வாய்ப்பில்லாத எனக்குப் பிற்பகல் வேளைகளில் அவ்வாய்ப்பு அமைவதுண்டு. ஏராளமான மேடை நிகழ்வுகளில் அவரது அறிவுரையெல்லாம் அறவுரையாகவும் மறைவுரையாகவும் எனக்குக் கிடைத்தன. ஒரு குடும்பத்தை வழிநடத்திச் செல்லும் தலைமைக்குரிய அன்பும் நேசமும் அக்கறையும் அவரது உரைகளில் வெளிப்படும். மாணவர்கள் நலனில் அவருக்கு இருக்கும் அக்கறை அளவிடமுடியாதது.

இவருடைய உரை எப்போதும் மாணவர்களுக்கு ஊக்கத்தையும் தெம்பையும் ஊட்டும் விதமாகவே அமையும். மிகவும் இயல்பான மொழிநடையின் வாயிலாக வாழ்வியல் நிகழ்வுகளையும் எதார்த்த வாழ்வியலையும், சிந்தனைகளையும் கூறிவிட்டுச் செல்வன.

மாணவர்களாகிய எங்கள் கண்ணோட்டத்தில் தந்தையின் அக்கறையை என் போன்றோர் நேரடியாகவே காண முடிந்தது. Ethics, Value Education போன்ற புதிய பாடத்திட்டங்களில் தந்தை அவர்கள் ஏற்படுத்திய மாற்றங்கள் வியக்கத்தக்கவையாகும். அப்பாடப்பிரிவுகளுக்கென்று தனியாக பேராசிரியர்களை நியமினம் செய்ததே அதற்குச் சான்றாகும்.

ஏட்டுக்கல்வியை விட வாழ்க்கைக்கல்விக்கு அடிகளார் முக்கியத்துவம் தந்தார். பட்டங்கள் பல பெற்றாலும் மாறிவருகின்ற சமூகச் சூழலுக்கு ஏற்ப தன்னை மாற்றிக் கொள்ள வேண்டும் என்பதை வலியுறுத்தி வருகின்றார். நிறுவனத்தில் உயர்ந்த பொறுப்பில் உள்ள எங்கள் இல்லத்தந்தையை மாணவர்கள் எப்பொழுது வேண்டுமானாலும் பார்க்க முடியும். மாணவர்களுக்கு ஏதேனும் குறைபாடு இருந்தாலும் அதைத் தீர்த்து வைப்பதில் தந்தை அதிக கவனம் செலுத்துவார்.

‘Work Scholarship’ எனும் திட்டத்தை வேகமாக முன்னெடுத்துச் செயலாற்றினார். மாணவர்கள் தங்கள் கல்வி கற்கும் நேரம் தவிர, மற்ற நேரங்களில் பகுதி நேரமாக வேலை செய்ய வேண்டும் என்ற கருத்து மாணவர்களும் விரும்பி ஏற்றுக்கொண்ட ஒன்று. மொத்தமாக 70 மணி நேரத்தினை மாணவர்கள் பூர்த்தி செய்ய வேண்டும் என்ற விதிமுறையின் படி பணி செய்து பயனடைந்தவர்கள் ஏராளம்.

பொதுவாக விடுதியில் தங்கி பயிலும் மாணவர்களுக்குக் காலந்தவறாமல் உணவு கிடைக்கும். ஆனால், அது நாளடைவில் சலிப்பைத் தரும். ஏனென்றால் குடும்பத்தில் ஒன்றாக அமர்ந்து ஒருவர் மற்றொருவருக்கு ஊட்டி மகிழ்ந்த நினைவுகள் அவர்களை வருடி துன்புறச் செய்யும். இதனை அறிந்த நம் இல்லத் தந்தை, கல்லூரியில் உள்ள அனைத்து விடுதி மாணவர்களும் ஒன்றாக கூடி குடும்பமாக உண்டு மகிழ்ந்திட புதியதொரு கட்டிடத்தைக் கட்டினார்.

இதுமட்டுமில்லாமல் தன் பொறுப்பில் நான்கு புதிய கட்டிடங்களைக் கட்டினார். அவைகள் வகுப்பறைகளாக மட்டுமில்லாமல் பல சமயங்களில் தேர்வு அறைகளாகவும் பயன்படுகின்றன என்பது நினைவுக் கூறத்தக்கது. இதுபோன்ற பல வியத்தகு செயல்களைச் செய்த பெருமைக்குச் சொந்தக்காரர் நம் இல்லத் தந்தை.

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இளங்கலைத் தமிழ் மூன்றாமாண்டு