

St.XAVIER'S ST.XAVIER'S CATHOLIC COLLEGE OF ENGINEERING CATHOLIC COLLEGE OF ENGINEERING

Vision

To be an institution of eminence of optimal human development, excellent engineering education and pioneering research towards developing a technically-empowered humane society.

Mission

To transform the (rural) youth into top class professionals and technocrats willing to serve local and global society with ethical integrity, by providing vibrant academic experience of learning, research and innovation and stimulating opportunities to develop personal maturity and professional skills, with inspiring and high caliber faculty in a quality and serene infrastructural environment.

CORRESPONDENT'S MESSAGE

Rev. Fr. Dr. M. Maria William



Dear Friends,

I am immensely happy to get in touch with you again through this issue of our Campus Connect. I see our college improving day by day with different kinds of activities.

A chain of inauguration events of our professional and nonprofessional cells have initiated activities of our students in different arenas and we are witnessing a bristling campus these days. To add to that we have placement events, seminars and trainings conducted by personnel from different companies, Industrial Visits, Local Visits etc. are making life in the campus really lively. On and off we also hear the happy news of our students winning accolades from different hackathons, project competitions and talent shows.

As we all know, our college do not satisfy itself with mediocre achievements; true to our quality policy we look for excellence in all that we do. Our intention is not just preparing our students to manage the demands of the present technical scenario of our universe. We usher in the demands of the future world to qualify our present efforts. That is, we try to speculate scientifically what the future is going to be and try to predict the changes that will occur in the future society as a result of ever unfolding new technologies; and accordingly we prepare our students for the future society.

Developing students into creative technocrats having disposition for critical and creative thinking, proficient in practical and productive knowledge and skills is the best way to prepare our students for the future. Let us all put our heads and shoulders together and forge innovative strategies and practice them effectively.

Wishing you all fulfilling experience in our college.

Contents

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- Students Achievements
- Academic Activities
- Placement Activities
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Upcoming Events

- Calida Festa Junior's 2023- 13.10.2023
- Meet the Great Dr.N.S.Kumar, Scientist (17.10.2023)
- Sports Day - 02.11.2023
- Fine Arts Day 03.11.2023
- Graduation Day 04.11.2023



St. XAVIER'S
CATHOLIC COLLEGE OF ENGINEERING
(Autonomous)

Chunkankadai, Nagercoil - 629003
Kanyakumari District, Tamil Nadu

Approved by AICTE & Affiliated to Anna University, Chennai
Accredited with 'A' Grade by NAAC
UG Programs(ECE, EEE, Mech, Civil, CSE & IT) Accredited by NBA
Recognized under section 2(f) & 12(B) of UGC Act, 1956
UG Programs(ECE, EEE, Mech, Civil, CSE & IT),
MBA & MCA Programs Permanently Affiliated

PRINCIPAL'S MESSAGE

It's my pleasure to appreciate the efforts taken by the editorial team members of our Newsletter for their dedicated works and they succeed in bringing the same on a monthly basis, good.

The period of this issue is filled with a lot of activities, academics, co-curricular, extracurricular, skill-based and sports activities. It is happy to note that our students won prizes in the competitions organised by other Institutions and Organisations. Many faculty have successfully completed NPTEL September 2023 exam with good scores. Also we feel happy in knowing that 13 students of 2022 batch bagged University ranks.

Hearty Congratulations to the achievers, students and faculty. It is a pride to note that our students are gradually involving in Hackathon and Ideathon competitions.

Hope the College will fetch a lot of laurels in the coming days.

All the very best.



Dr. J. Maheswaran
Principal



FIRST YEAR UG INAUGURATION

The Inaugural ceremony of the 26th batch, BE/B.Tech Programmes of St. Xavier's Catholic College of Engineering was held on 9th September 2023. Rev.Fr. Dr. M. Maria William, the Correspondent of the college welcomed the gathering. Dr.J.Maheswaran, the Principal of the college introduced the college activities. Rev. Fr. S .Jesu Retnam, gave an inaugural address highlighting the commitment of the students. Dr. T.V. Venkateswaran, the Chief Guest of the day inspired the students with his Motivational Talk . Dr.Kelvin Vargheese, the alumnus and Dr. J. Christus Jeya Singh, the Vice Principal, felicitated the gathering. Rev.Fr.M. Francis Xavier, the Bursar proposed the vote of thanks.



FIRST YEAR PG INAUGURATION

St. Xavier's Catholic College of Engineering (Autonomous) welcomed the PG students of MBA, MCA, and ME in the inauguration ceremony conducted on September 7, 2023 at the Conference Hall. The Inaugural Address was given by the Correspondent, Rev. Fr. Dr. M. Maria William, where he advised the students to be mature and responsible members of the institution. The felicitation was given by the Principal Dr. JMaheswaran. He wished the students for their new journey and advised the students about the importance of self-learning. Following this the Vice Principal, Dr. V. Christus Jeya Singh also gave his words of inspiration for the students.



ACHIEVEMENTS

- **Sherjin C K of final ECE -B** have been selected to Indian Silambam Team in 2nd world level Silambam Open Championship-2024 to be held at Patong, Thailand on 27/09/2024.
- **Visva. S. P of II MCA** has received the Second Prize in Video Presentation Competition conducted by the IET SXCCE Student Chapter in association with EnSav Club and FOSSEE Club Organized on Engineer's day held on 16-09-2023.
- **Mr. Santhosh Sharuk C & Mr. Ahamed Shafeek S of II AI&DS** has participated and won the first prize in Project Competition organized by IIC held at Loyola Institute of Technology and Science, Thovalai on 05th August 2023.
- **Ms. Ebil Metilda S & Ms. Fathima Nasreen F of II AI&DS** has participated and won the second prize in Project Competition organized by IIC held at Loyola Institute of Technology and Science, Thovalai on 05th August 2023.
- **Ms.M. Diya of II AI&DS** has participated and won second prize in Idea Presentation competition organized by Ensav club, IET, FOSSEE club and IEI held at SXCCE on behalf of Engineers day on 16 th september 2023.
- **Ms. LENIDA K & Ms. Reshma Ramesh of II AI&DS** has participated and won the first prize in Poster Presentation competition organized by Ensav club, IET, FOSSEE club and IEI held at SXCCE on behalf of Engineers Day on 16th September 2023.
- **The final year ECE students, Collins David C S as Team leader, Abish R P & Ashmi S as Team Members with Dr Darwin Jose Raju A, Associate professor/EEE as Team mentor** got the **consolation prize of Rs 10, 000** for the topic "Tourism in the Metaverse: The Future of Travel" in the four days HACK THE METAVERSE event organized by IEEE Computer Society Bangalore Chapter at IIIT Bangalore Campus on 12/09/2023.

CENTRE OF EXCELLENCE

Our college has received the award in recognition of completion of all program requirements for the setting up of ICT Academy Centre of Excellence for Design powered by Autodesk in the field of Design.



ACADEMIC ACTIVITIES

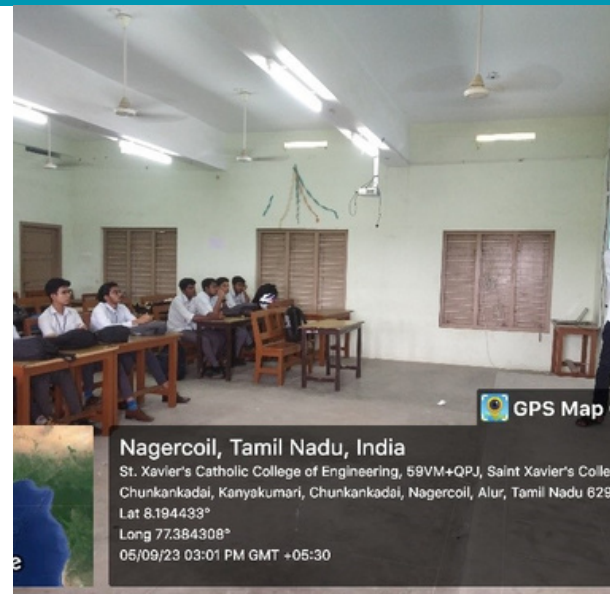


St Xavier's Catholic College of Engineering organized a seminar on "A way forward with Engineering Innovation for Social Transformation" on 9th September 2023 at 2.30 pm for Faculty and Students. The speaker for the session was **Dr. T V Venkateswaran, Senior Scientist, Vigyan Prasar, Department of Science and Technology (DST)**. The event began with the welcome note by Dr. J Maheswaran, the Principal. The main objective of this is to inspire and motivate innovative and Entrepreneurial thinking among students and faculty members.

A way forward with Engineering Innovation for Social Transformation

Red Team Operations

A guest lecture for the subjects IT8761 – Security Lab and CS8792 – Cryptography and Network Security was organized for the IV-year students and the III students in Cyber security research group on 5th of September 2023 in the IT Lab by the department of IT and BRIGITZ with Er. R Ajay, Threat Analyst, Sophos (Alumnus -IT) acted as the resource person.



What's Next? AR/VR



A seminar on What's Next? (AR/VR) was arranged on 8th September 2023 for II AI&DS and MCA students. The resource person was Mr. B. Pradeep Sathya Kumar, Regional Head, SCOPIK Edutech, Chennai. The objective of the seminar is to create awareness regarding an emerging technology among the students. The method of creating virtual objects was explained by the resource person. He discussed about the demand of AR/VR technology and also, he added the courses offered by the SCOPIK Edutech, and the effectiveness of the course. The resource person clearly explained the usage of AR/VR technology and its importance. He outlined the software and hardware used in this technology. The students got clear cut idea on the background of AR/VR technology and they were very much interested in learning the concepts of this emerging technology.

XMA INSTALLATION



- The Inauguration of the Xavier's Management Students' Association for the academic year 2023-2024 was held at St. Xavier's Catholic College of Engineering (Autonomous) on September 14, 2023, at the Conference Hall. The programme commenced at 10:30 AM with a prayer song by the department choir.
- St. Xavier's Management Student Association, organized a one hour seminar on "Social Media in Business" in the Conference Hall on 14/09/2023 at 12 PM. The chief guest of the seminar was Mr. K. Ajay, Founder & Proprietor, Ajay Group of companies. This seminar mainly focused on the impact of social media in business.

PROFESSIONAL SKILL DEVELOPMENT FOR MANAGERS

St. Xavier's Management Student Association, organized a one day seminar on "Professional Skills Development for Managers" in the Conference Hall on 12/09/2023 at 9a.m. The chief guest of the seminar was Dr. R. Jinu, Associate Professor of Department of English, Noorul Islam College of Higher Education, Kumaracoil. This seminar was mainly focused on the various skills necessary for a manager.



MEGX Association has conducted a program titled "**Career Options**" by Trio CAD, Nagercoil on 21.09.2023. Mr. C. Jebastalin has delivered a talk on Career Options for various field of Mechanical Engineering. Dr. G. Shanthosh Kumar, Assistant professor and faculty incharge of this association gave the vote of thanks and motivated the students to fly after a year. Besides this a design contest was also conducted to the students.



Nagercoil, Tamil Nadu, India

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- A seminar on **“What’s Next? (AR & VR)”** was organized by BRIGITZ for the III and IV year IT students on 16th September 2023 from 11.00 a.m. to 12.30 p.m. Er. B Pradeep Sathya, Regional Head, Scopik Edutech acted as the resource person.
- A hands-on training on **“Canva”** was organized by BRIGITZ for the III- and IV- year IT students on 16th September 2023 from 9.00 a.m. to 4.15 p.m. Mr M G Midhun of final year IT acted as the resource person.

What’s Next? (AR/ VR) & Canva

Micro Soft Azure

- A hands-on training on **“Microsoft Azure”** was organized by BRIGITZ for the III and IV year IT students on 16th September 2023 from 1.00 p.m. to 4.15 p.m. with Dr. A J Deepa, Specialist Learning, Infosys as the resource person.
- A hands-on training on **“Hardware and Networking”** was organized by BRIGITZ for the II year IT students on 16th September 2023 from 9.00 a.m. to 4.15 p.m. Dr. Antony Joan Kumar, Mr. Rubert, Mr. R Baiju and Mr. M John Paul of St, Xavier’s Catholic College of Engineering acted as the resource person.



Nagercoil, Tamil Nadu, India

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Nagercoil, Tamil Nadu, India

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Electrical Engineering in Shipping

- Society of Electrical Engineers organised an enrichment program on "Electrical Engineering in Shipping" which was held on 26th September 2023. Er. P.S.Shimin, Electro technical Officer ESM Shipping Company acted as a resource person.
- Society of Electrical Engineer organised an enrichment program on **"How to excel in research"** which was held on 26th September 2023 at St. Xavier’s Catholic College of Engineering.

GATE ORIENTATION

An orientation regarding the GATE exam was organized for the students by the resource person Mr. B. Ebeneser, Certified Career Analyst and Career Development Coach, Helping Stone Life, and Career Development Coach, Nagercoil. The event was organized on 20-09-2023 at the Einstein Seminar Hall, D-Block from 10:45a.m. to 12:15p.m. The resource person gave awareness on GATE exam. He discussed how to break the myth about GATE and career opportunities after GATE and also its benefits in higher studies.



Seminar on Artificial Intelligence



A seminar on Artificial Intelligence was arranged on 16th September 2023 for II AI&DS students. The resource person is Mr. S.N. Sujith, AI Specialist, Networkz Systems. The objective of the seminar is to create awareness and enrich the knowledge in emerging technology which is related to students' curriculum. The resource person explained the important applications of AI. He started the session by defining AI and mentioning the difference between machine and device. He discussed about various technological divisions in AI and also, makes a note on salary details of AI jobs and its requirements. The resource person clearly outlined the software and hardware used in this technology like supervised learning, unsupervised learning, reinforcement learning etc. The students gained basic knowledge in Machine learning concepts

Applications of Artificial Intelligence

A seminar on Applications of AI was arranged on 16th September 2023 for II AI&DS students. The resource person is Mr. M. John Roobert, Diploma, B.E., M.A. Computer Operator, Department of Computer Science and Engg. The objective of the seminar is to create awareness and enrich the knowledge in emerging technology. The resource person explained the important applications of AI. He started the session by explaining the hardware information like checking RAM configurations and other laptop features. He added the details regarding the graphics card and its features which are helpful in making videos and animations.



Circuit Craft

- Electros the Association of the department of ECE in association with Robotics club organized a Hands on training on Circuit Craft for II year ECE students from 3.00pm to 4.15pm on 16-09-2023. The resource person was Mr. Jerwin, Robotics club member, ECE Department.
- A **workshop on AR and VR** was conducted for the second, third and final year students of CSE department fostering a deeper understanding of these emerging technologies like Augmented reality and Virtual reality.





Inauguration of Society of Electrical Engineer was held on 22th September 2023 . The Chief Guest, Er.B.Raj Kumar,Managing Director Agar Electro Plast Manufacturing and research addressed the gathering about the importance of Electrical Engineering and job opportunities in present situation. Dr.J.Maheswaran, the Principal and Dr. M. Marsaline Beno. Dean, Research felicitated the gathering.

SEE INSTALLATION

Software Development Artifacts

A seminar on “Software Development Artifacts A Futuristic Approach” was conducted exclusively for the second year students of the Computer Science and Engineering department. One notable highlight of the seminar was the intriguing comparison drawn between the working atmosphere in the United Kingdom (UK) and India. This event provided a valuable opportunity for these budding engineers to delve into the intricate world of Software Development Artifacts.



Field Visit

- On 15th September, II MCA Students Visit **Krishi Vigyan Kendra, Thirupathisaram** to study about the organizational setup, role, activities of KVK and data acquisition for their project work.
- The Department of Computer Applications conducted a workshop on "**Hardware and Networking**" on September 27, 2023, at the CSE Lab. Students gain more hands-on training in networking and hardware. They got practical session for hardware and networking.



Networking & MATLAB

- Electros organized a technical seminar on networking for II, III, and IV year ECE students from 9.00 a.m. to 12.15 p.m. at the VLSI lab on September 16, 2023. The resource person was Ms.Antonet Reeta, Networking Specialist, Networkz Systems, Nagercoil.
- Electros the Asociation of ECE department organized a Hands on training in MATLAB programming for III year ECE students from 3.00pm to 4.15pm at VLSI lab on 16-09-2023. The resource person was Dr.B.C.Preethi, Assistant Professor, ECE Department.

PLACEMENT ACTIVITIES



Nagercoil, Tamil Nadu, India

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Nagercoil, Tamil Nadu, India

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Nagercoil, Tamil Nadu, India

59VM+HRC, St Xavier's College Rd, Chunkankadal, Nagercoil, Alur, Tamil Nadu 629003, India

Placements

- **Hexaware Technologies** (PGET 2024 campus Hiring program)- Virtual ON CAMPUS PLACEMENT DRIVE was conducted for B.E/B.Tech – CSE, IT ,ECE, EEE on 5/09/2023. Eligibility criteria was 60% and above in 10th, 12th and in degree. Salary package is Rs. 6.0LPA (CTC), stipend of Rs.25,000 per month for 3 months.
- **UST-** ON CAMPUS PLACEMENT DRIVE was conducted for B.E/B.Tech – CSE, IT & MCA M.E – CSE on 7/09/2023. Eligibility criteria was 60% and above in 10th, 12th and in degree. Salary package is Rs. 4.0LPA (CTC).
- **Syrma SGS Technology Limited-** ON & POOL CAMPUS PLACEMENT DRIVE was conducted for B.E/B.Tech –EEE,ECE on 11/09/2023. Eligibility criteria was 70% and above in 10th, 12th Std & in Degree. Salary package is Rs.3.5 lakhs per annum (CTC).
- **Kaar Technologies-** POOL & ON-CAMPUS PLACEMENT DRIVE was conducted for B.E/B.Tech –CSE, IT,ECE,EEE & MECH on 20/09/2023. Eligibility criteria was 80% & above in 10th & 12th and 75% & above in Degree without history of arrears. Salary package is 6.5 to 8.0 Lakhs Per Annum (CTC).4 students got selected. 3 students from III Year (2025 batch) got selected for internship.
- **H&R Block** - ON CAMPUS PLACEMENT DRIVE was conducted for B.E/B.Tech – All Depts. & MCA M.E – All departments on 25/09/2023. Eligibility criteria was 60% and above in 10th, 12th and in degree. Salary package is Rs.5.06 lakhs per annum (CTC).



Nagercoil, Tamil Nadu, India

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Trainings

A Three Days **Sales Force Bootcamp Training** by Mr. Abdul Halia, Mr. Mahi, Mr. Shanjai, Mr. Madhavan, Mr. Vignesh and Mr. Pon Kumar, Forte Consultancy, Chennai was organized for IV Year B.E/B.Tech (CSE, IT, CIVIL, ECE, EEE, MECHANICAL) and II Year MCA from 20th to 22nd September 2023.



- A One Day Interactive Session On **“Entrepreneurship, Innovation and Employability Skills”** by Mr. Hari Krisha, HR-Lead, Hexaware Technologies was organized for IV Year B.E/B.Tech (CSE, IT, CIVIL, ECE, EEE, MECHANICAL) 13th September 2023.
- A Two Days **Soft Skills, Resume Writing, Interview Skills Training** by Mr. Roshan Roy, Talentus HR Solutions Pvt Ltd, Cochin was organized for the First Year MCA students from 21st and 22nd September 2023.
- A One Day Interactive Session On **“Employability Skills”** by Mr. Naga Haridas, Global Leader, ERNST & YOUNG, Trivandrum was organized for IV Year B.E/B.Tech (CSE, IT, CIVIL, ECE, EEE, MECHANICAL) on 23rd September 2023.
- A One Day Interactive Session On **“Tech Skills and Innovations – Expectations Of Corporates From Graduates”** by MS. Ankayarkanni Rajendran, Senior Software Engineer, Formcept Technologies and Solutions, Bengaluru was organized for IV Year and III Year B.E/B.Tech (CSE, IT, CIVIL, ECE, EEE, MECHANICAL) and MCA students on 27th September 2023.

COE ACTIVITIES

April/May 2023 Phase-III Examinations:

- Central valuation of the answer scripts of the End Semester Theory Examinations of second semester B.E./B.Tech Artificial Intelligence and Data Science, Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Information Technology and Mechanical Engineering and fourth semester M.E. Construction Engineering and Management, Structural Engineering, Computer Science and Engineering, Communication Systems, Medical Electronics and Energy Engineering was conducted on 31-08-2023 and 01-09-2023.
- Sixth Result Passing Board meeting was conducted on 07-09-2023.



April/May 2023 Phase-II Examinations

Revaluation results of April/May Phase-II examinations were published on 12-09-2023.

- Results of April/May Phase-III examinations were published on 08-09-2023.
- Revaluation results of April/May Phase-III examinations were published on 26-09-2023.

IQAC Activities

- On September 23, 2023, an **External IQAC meeting** was conducted to discuss about the Benchmarks achievement status and implementation methodologies for the academic year 2023–2024. The Principal welcomed the members, and in his introductory remarks he shared the college activities and achievements. The coordinator of the IQAC presented the minutes of the previous meeting. Department IQAC members presented the achievement status of the benchmarks.
- On September 20, 2023, an **Academic Administrative meeting** was conducted.



CELL ACTIVITIES



INAUGURATION OF PROFESSIONAL BODIES

Inauguration of all the Professional bodies were conducted on 15th September at 2.30 pm in the Einstein Seminar hall. The Correspondent Rev.Fr.Dr.M.Maria William presided over the function. Faculty Advisors of various clubs introduced the new office bearers and the secretaries of the clubs presented the annual plans. The program came to an end by 4.30pm



INAUGURATION OF NON PROFESSIONAL BODIES

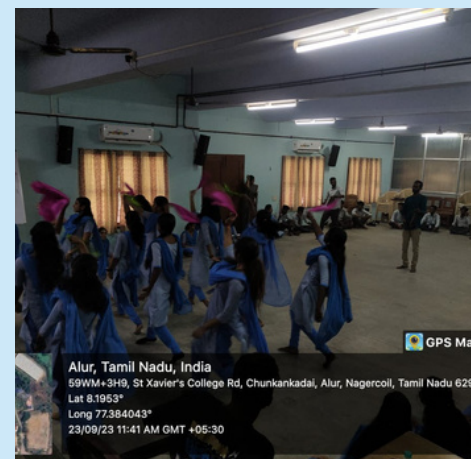


Inauguration of all Non professional cell was held on 22nd September 2023. In the Morning session a flex display was conducted by the Non - Professional Cells. Followed by this, the Inauguration ceremony was conducted. The program was presided over by the Correspondent, the Principal and the Vice Principal. During the inauguration the faculty advisors of the non-professional cells were introduced their office bears.

- A Webinar on **“How to build a strong career in cybersecurity”** was held on 16/09/2023 conducted by NCSSS Cell aimed to provide knowledge on the important steps to start a career in cybersecurity to the NCSSS cell members. The webinar was led by Dr.Mohamed Ibrahim, CEO and co-founder of Cyberheals.
- On behalf of the CSI club, a hands-on training on **CANVA** was conducted by Mr. P. Nithish on September 16, 2023, from 1:00 p.m. to 4:15 p.m. The members of CSI attended the program and benefited from the visual tool that facilitates meaningful dialogue, fosters alignment, and helps to articulate technology strategy.
- St. Xavier's Catholic College of Engineering organized an **internal hackathon** on 21.09.2023. Students from various departments participated in the event and presented innovative ideas based on the Smart India Hackathon problem statements. As per the evaluation by the expert teams, 15 teams (10 shortlisted + 5 waitlisted) were selected for the Smart India Hackathon 2023.
- SAEINDIA organized a seminar on **“latest trends in NDT”** for the Mechanical Engineering students on 13.09.2023 at CAD Lab through online mode. The resource person was Er.Kumerasan, M.D., Vibrant NDT Services Pvt Ltd.
- The SXCCE Eco club in association with Non Governmental Organization of VALAR foundation has conducted a **tree plantation program** near the surrounding of Kaniyakulam Panchayat office on 23.09.2023. The Chief guests were, Mrs. Angelin Sharona, Village Panchayat President & Mr. Selvakumar Zonal Chairman - Nagercoil Corporation. ECO club members of St. Xavier's Catholic College of Engineering planted 30 saplings near the roadside area.
- **The Frontend Magic Crash Course** was conducted on September 26, 2023, at Morning Star Polytechnic College, Chunkankadai. Organized jointly by the SXCCE ACM (124771) and the SXCCE ACM-W (190059) Student Chapter, the course aimed to provide students from the Computer Science and Engineering (CSE) and Electronics and Communication Engineering (ECE) Programmes of Morning Star Polytechnic College with hands-on training in HTML and CSS skills. The course was skillfully demonstrated by the student volunteers of the ACM and ACM-W chapters under the guidance of Dr.C. Sheeja Herobin Rani, the Faculty Sponsor of ACM, and Ms. C. Renit, the Faculty Sponsor of ACM-W.

National Dance Day Celebrations

A Special Dance Training program ,on behalf of National Dance day was conducted on 23/09/23 in the Einstien Seminar Hall and Mr.Jack,Western dance master,Top Troop Dance Class and Kalaivalarmani Mr.S.Muthu Krishnan ,Folk Master took class for the students to make students to get a clear idea about western and folk dance .It was fully a training session and students benefitted a lot from them. At last staff coordinator presented both masters with memento as a token of appreciation.



A Seminar on "Recent Cyber threats" was held on 16/09/2023 conducted by NCSSS Cell aimed to provide the knowledge and skills needed to recognize, report, and prevent security incidents, to the NCSSS cell members. The workshop was led by Mr. Richardson, Technical SI, Cybercrime, Ramnadu.



Fundamental Rights and Duties of Indian Constitution

Fundamental Rights and Duties of Indian Constitution

Constitution club, organised a half-day special talk on “Fundamental Rights and Duties of Indian Constitution”, at the Conference Hall on 14/09/2023. The seminar focused on importance of fundamental rights and duties of Indian citizen.). The resource person was Dr. V. M. Binu Lal Singh, MBBS, RCGB (London) District Congress committee president, Kanyakumari (west) and he sought to enlighten the students about the fundamental rights and duties as an Indian citizen.

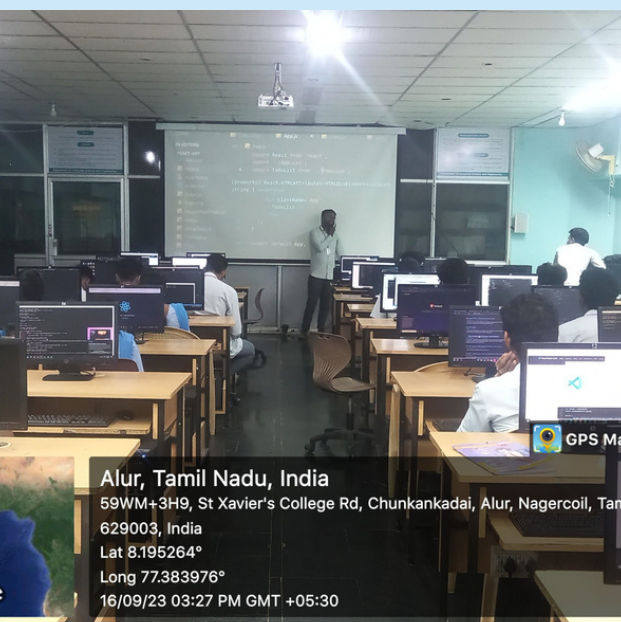
ENGINEER'S DAY 2023

SXCCE G9 EnSAv Club, IET SXCCE On Campus, IEI SXCCE Student Chapter and FOSSEE Club jointly celebrated Engineer's Day 2023 on 16th September 2023 under the theme "Recent trends in Engineering Innovation". Several events such as Poster Presentation, Video Presentation, Idea Presentation, technical quiz and Adzap were conducted for the students. Around 130 students have participated in the event. Prizes were distributed to the winning students in the valedictory event.



REACT JS

The Hands-on training on “React JS” held on 16/09/2023 was conducted by the NCSSS Cell to provide knowledge to set up a local React development environment, create a start app, and understand the basics of how it works for the NCSSS cell members. The workshop was led by Mr. R Rajesh, NCSSS Member, SXCCE.



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SEMINARS

- **Enrollment of cadets** for the year 2023-2024 was done by Subedar Pujari, and Hav. Kumar from 11(TN) BN NCC Nagercoil on 15-09-2023. Thirty six cadets (24 SD & 12 SW) were newly enrolled in our NCC Company. Cadets were selected after conducting physical fitness and interest.
- Women Cell in association with Health Care cell organized a Seminar on **“Cervical Cancer and Breast Cancer awareness”** on 23rd September 2023. Mrs.Amalit Vimala, OBG Dept., SXCCN was the resource person. This session was planned to create awareness among women students and staff about Cancer, its symptoms and early detection.
- World suicide prevention day was observed every year on 10th September. **Suicide prevention awareness programme** was organized in our college by YRC, Counselling cell & Anti-ragging cell in association with Peace Trust Kanyakumari Psychology department staff and students on 25-09-2023. About 147 students participated in this program. The students performed a skit about suicide prevention to create awareness.
- Constitution club organised a special talk on the **“historical amendment in constitution at women’s reservation bill”** conducted at MBA Lab on 23/09/2023. The seminar focused on new bill passed by the parliament for women reservation in assembly.
- St. Xavier’s Management Student Association, organized a one and half hour seminar on **“Financial Careers Unleashed – From Aspiration to Achievement”** in the Conference Hall on 26/09/2023 at 10.45 a.m. The chief guest of the seminar was Mr. Suresh Natarajan, Managing Partner- Diksha Academy, Banker, BFSI Trainer, Career Consultant, Author. This seminar was mainly focused on the various job opportunities in the BFSI.
- St. Xavier’s Management Student Association, organized a one and half hour seminar on **“Work Life of HR & their Contributions”** in the Conference Hall on 27/09/2023 at 2.15p.m. The chief guest of the seminar was Ms. Karthika Murugeswaran, HR Manager, Wenoxo Technologies. This seminar was mainly focused on the various job roles in Human Resource.

Android App Development

The Android Mobile App Development Seminar was conducted by Sivakumar Ramadas, Project Manager, IBM [BLR] on 16/09/2023 for the second, third, and final-year students in the Computer Science and Engineering (CSE) department. About 120 students participated in the program. This program provided an interactive and comprehensive introduction to the basics of Android Mobile app development.



The Radio club members took part in the live **Kumari FM kaloori kalata program** organized by All India Radio, Konam in our college campus on 7th September 2023 in view of Teacher's day. Our students actively presented events like song, short speech, Jokes, poem etc. organized by Ms. Selvarani and Ms. Prema Latha, radio Jockey, AIR Konam. The events were broadcasted as live program through AIR from 11.00 am to 12.00 pm. The event was coordinated by Dr.S.Absa, Faculty Advisor -Radio club and Dr. Amal.

RESEARCH ACTIVITIES

MEET & GREET

To inspire our faculty in their research field, an interactive session was arranged for the faculty by a **Retired Scientist, Dr. S. Kumar, Defense Research and Development Organization** on 27/9/23. Dr. Kumar's visit was an enriching experience for both faculty and students.



As Journal Reviewer

Dr. Suja. A. Alex acted as Reviewer for

- Expert Systems With Applications, Elsevier (17-09-2023, 26-09-2023)
- Systems and Soft Computing, Elsevier (01-09-2023)
- Neural Computing and Applications, Springer (12-09-2023)
- Journal of Intelligent & Fuzzy Systems, IOS Press (07-09-2023)
- BMC Medical Informatics and Decision Making, Springer (06-09-2023)

Patent Publications

Prof. M.L Ajin and Dr.J. Jebeen Moses

Assistant professors from the department of Mechanical Engineering has published a patent on "A novel method for synthesizing Hematite Nanoplatelets and Hematite-ZnO Core-Shell Nanospindles for Enhanced photocatalytic Applications"

Journal Article published

- **S. A. Anuja, P. Kavitha, P. M. Hency, C. H. Jothi and R. Jemila Rose**, published a paper on "Comparative study of water quality between upstream and downstream of Thamirabarani River using multivariate statistical tools", Scientific Research and Essays, Academic Journal, ISSN:1992-2248, DOI: 10.5897/SRE2023.6774, Sep 2023, 18(3), pp.33-4, SCI, 0.564.
- **D. Judson, A. Annie Portia, L.G.X.Agnel Livingston**, published a paper on "Low-complexity joint equalization and CEO compensation in uplink SC-FDMA NOMA system under different power allocation strategies", Transactions on Emerging Telecommunications Technologies, Wiley, International, 2023
- A paper was presented on "Performance Improvement of Tidal Power Converter System Using Passivity-based Voltage Controller" by **S. Sivaram and Dr. M. Marsaline Beno** at International Industry Academy Conference by IEI Kanyakumari Local Centre.
- A paper was presented on "Less energy consumption and Secured transmission in MANETs using block chain system" by **Dr. L.Femila, AP/ECE and Dr.M.Marsaline Beno, Prof/EEE** at International Industry Academy Conference by IEI Kanyakumari Local Centre
- **S.Anish, research scholar & Dr.M.Germin Nisha Associate Professor/EEE** has published a research paper titled, "Develop Emperor Penguin Optimizer for Speed Regulation of BLDC Motor Using PV-Based Z-Source Inverter", Electric Power Components and Systems, DOI: 10.1080/15325008.2023.2246465

- **Dr. Suja A. Alex** acted as a resource person on Virtual Faculty Development program on "Teaching Strategies for Diverse Learners" to the faculties of the Department of Mathematics, Nadar Saraswati College of Arts and Science, Theni on 06.09.2023.
- **Dr.Jain B Marshel AP/EEE, Dr.S.Selvapradeep AP/EEE and Prof.Abragam Siyon Sing** acted as Session Chair for the International Conference held on 9-09-2023 Organised by IET and IEI held at Kanyakumari.
- **Dr. M. Marsaline Beno, Dean, Research** acted as a resource person for the induction program on Goal Setting & Memory Techniques from 01.09.2023 to 15.09.2023.
- **Dr. M. Marsaline Beno, Dean, Research** delivered a Key note address on Digital Transformation at International Industry Academy Conference at Hotel Singar, Kanyakumari on 09.09.2023
- **Dr. M. Marsaline Beno, Dean, Research** acted as a resource person for a Webinar on Energy Management and Innovation, organized by JCT College of Engineering Coimbatore on 15.09.2023
- **Dr. M. Marsaline Beno, Dean, Research** acted as a chief guest at Udaya College of Engineering and The institution of Engineers , Kanyakumari Local Centre on 15.09.2023
- **Dr. M. Marsaline Beno, Dean, Research** delivered a talk on Sustainability and Innovation at Dr. M.G.R. Educational and Research Institute on 01.09.2023
- **Dr. M. Marsaline Beno, Dean, Research** acted as a resource for Career Guidance program on 30.09.2023.
- **Dr.G.Antony Miraculas**, Associate professor and Head, Department of Mechanical Engineering acted as a chairperson for the international conference on "Recent Trends in Engineering, Technology and Management (ICRTETM-2K23) held at Stella Mary's College of Engineering on 15.09.2023
- **Dr.M.Antony Foster Raj**, Assistant Professor, Department of Mechanical Engineering is one of the Members of the expert panel for scrutiny of idea proposals for idea hackathon 3.0 (for women) Hosted by MSME on 1st and 2nd September 2023 held in the placement cell
- **Dr.M.Antony Foster Raj**, Assistant Professor, Department of Mechanical Engineering acted as a resource person for Engineering Graphics seminar at Stella Mary's College of Engineering for the first year engineering students on 08.08.2023
- **Dr.Antony Foster Raj** acted as a resource person for the NSS camp conducted by little flower girls higher secondary school at Poochivalagam on 01.09.20.23 and delivered the talk about "Garbage removal- Every individual's responsibility" for 11th standard students
- **Er. J. Jencewin, AP/CSE** has acted as a resource person for a seminar on "Ethical Hacking" on 20.09.2023 organized by the department of computer Science of Holy Cross College.

- **Dr.V.Jesus Bobin, Assistant Professor of EEE Department** has received IGEN SDG Action Award G01 for demonstrating exceptional commitment in the completion of the IGEN Energy 99 Challenge V1.0 project allied to 51st Earth day \$ACT\$SDGS in support of the united Nations sustainable development goals 7 & 13.
- **Dr.V.Jesus Bobin, AP/EEE** has been nominated to spread the awareness and training via Spoken Tutorial, IIT Bombay across India. As a dedicated co-ordinator he is allowed to conduct training, hold events and have meeting in Colleges, Pre-University colleges (11 & 12th Standard Project) & schools on agendas related to Open Source Software Training of Spoken Tutorial. This comes under National Mission on Education through ICT(NMEICT), Ministry Of Education, Govt. of India.

**Mrs. J. Jencewin, AP/CSE | Dr. Y.R. Annie Bessant, AP/ECE |
Mrs. P. Ajitha, AP/CSE | Dr. J. P. Vidhya, AP/HSc | Dr. Y. Balto |
Mr. L. Lucas, AP/HSc | Mrs.S.Viji Chitra AP/MBA |
Mrs.T.M.Angelin Monisha Sharean, AP/IT | Mrs.S. Shiny/AP/EEE |
Ms.C.M. Flora Dani, AP/CIVIL**