

"To create Artificial Intelligence Engineering Technologies with Divine Wisdom"



CORRESPONDENT'S MESSAGE

by Rev. Fr. S. Godwin Selva Justus

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.

Contents

- Events
- Students Achievements
- Academic Activities
- Placement Activities
- Cell Activities
- Research Activities
- Others

Upcoming Events

- FEP on Big Data Analytics and Visualization - 14.05.2025 to 20.05.2025.
- FDP on Quantum Computing and its Applications - 26.05.2025 to 30.05.2025.
- Workshop on House Wiring - 20.05.2025.
- ICASME'25 (International Conference on Advances in Sustainability of Materials and Environment) - 29.05.2025 & 30.05.2025

Dear St. Xavier's Family,

Warm greetings to everyone!

I'm delighted to connect with you through this edition of our campus communication. I'd also like to extend my appreciation to the team for the smooth and successful organization of the merit exam for our Plus Two students. This year, the exam attracted over 400 participants — a noticeable increase compared to previous years. The dedicated efforts of our parish ambassadors played a crucial role in this achievement. Your enthusiasm continues to be our greatest strength.

One of the most talked-about aspects of our college across Tamil Nadu is our excellent placement record for final-year students. It's truly encouraging to see that 323 students have secured positions in esteemed companies, with some even receiving multiple offers. Special thanks to Mr. Anto Roach, our Dean of Students' futuristic services, for his visionary leadership and dedicated service.

Although the NBA inspection has been postponed, we must not take this delay as a reason to be complacent. Let's stay prepared and up to date with all the necessary data, aiming for a six-year accreditation. We must avoid overconfidence and maintain steady progress, keeping in mind the classic lesson from the story of the tortoise and the hare.

Let us also remember that English is our campus language. It plays a vital role in preparing our students to thrive on a global stage. Every staff member, including those in support roles, is expected to communicate in English — especially when interacting with students. It is essential that we project confidence and competence. We want the world to recognize graduates from St. Xavier's Catholic College of Engineering as fluent and effective communicators in English.

Wishing you all the very best. May God bless you abundantly!



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
Anna University Recognized Research Institute
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 of Editorial members of our Newsletter for bringing out this issue successfully.

This period is filled with academic activities, co-curricular, extracurricular, training activities. TechFest, Placement Day, NCC Day, International Conference by Department of Management Studies were conducted successfully. We are very proud to share that this year our students bagged highest number of Placement Offers in the history of SXCCE.

Almost the classes for seniors were over and they are preparing for semester examinations. St Xavier's Merit Scholarship exam was conducted successfully and about 589 students completed +2 exams took up this examination. My appreciations to the faculty who completed NPTEL exam during March.

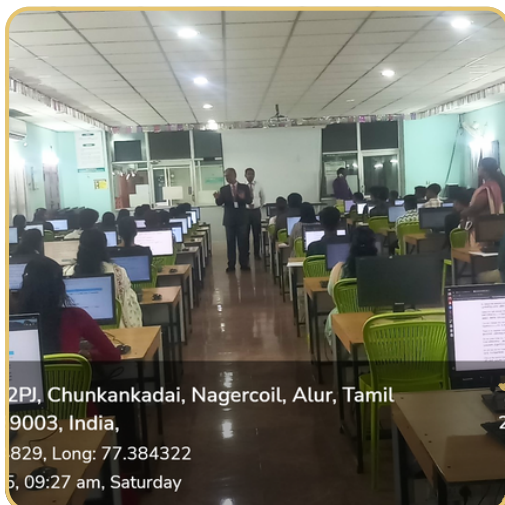
My best wishes to all final year students for their bright and prosperous future. My wishes to other students for their success in the upcoming semester exams.

All the very best

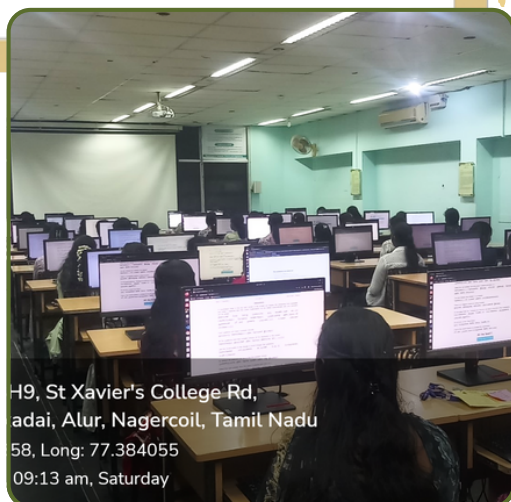


Dr. J. Maheswaran

EVENTS



2PJ, Chunkankadai, Nagercoil, Alur, Tamil
9003, India,
829, Long: 77.384322
5, 09:27 am, Saturday



H9, St Xavier's College Rd,
adai, Alur, Nagercoil, Tamil Nadu
58, Long: 77.384055
09:13 am, Saturday

The St. Xavier's Merit Scholarship Exam for the academic year 2025-26 was conducted on 05-04-2025 (Saturday). The registration process started at 8.30 a.m and the exam started at 9.30 a.m. The examination was conducted in different venues and about 589 candidates attended the examination. An orientation has been arranged for the parents in the conference hall at 10.00 a.m. Dr. R. P. Anto Kumar, Dean-Academics, gave a valuable speech on "How to select the best Higher Education Institution". Dr. M. Marsaline Beno, Dean-Research, delivered an inspiring speech on "Empowering parents: Guiding your child towards the right career path". Principal Dr. J. Maheswaran delivered the vote of thanks to the parents.

**St. Xavier's Merit Scholarship
Exam (SXMSE) – 2025**

TECH FEST - 2025



Tech Fest 2025 at St. Xavier's Catholic College of Engineering, organized by the Centre for Research and Development on April 15th and 16th, was a dynamic celebration of innovation under the theme "AI & Engineering for a Sustainable Future." The event featured **17 technical competitions** aligned with the **UN Sustainable Development Goals (SDGs)**, including Pitch Competition, Best Manager, AI-SDG Quiz, Innovation Exhibit, App Development, Paper Presentation, Robotics Challenge, 3D Printing, Hackathon, Drone Racing, and more, drawing **1758 participants** from diverse engineering disciplines. The Valedictory Function was graced by **Dr. Sabarish Karunakaran, Chief Scientist and Head of the Kerala State Council for Science, Technology and Environment (KSCSTE)**, a reputed expert in sustainable technology. His keynote address emphasized the integration of AI with eco-conscious engineering to meet global challenges. Tech Fest 2025 successfully empowered students to innovate with purpose, merging technical excellence with social impact.



Placement Day 2025 was celebrated on 23.04.2025 at 2.00pm in the Conference Hall with great enthusiasm. The event was honoured by the presence of Rev. Fr. S. Godwin Selva Justus, Dr. J. Maheshwaran, Dr. Christus Jeya Singh, Mr. Anto Xavier Roche-Dean/SFS, and Chief Guest Mr. Madhu Kumar, Founder & CEO of Amadis Technologies. A proud moment for SXCCE, as 323 students secured placements in reputed companies were formally acknowledged and presented with their offer letters.

PLACEMENT DAY - 2025



A HEARTFELT CONDOLENCES TO HIS HOLINESS POPE FRANCIS



On 22nd April 2025, at 09.00 am our College, paid solemn tribute to His Holiness Pope Francis following the news of his passing. The College community observed a moment of silence from their classrooms. The Principal, Dr. J. Maheswaran, conveyed a message of remembrance, recalling the Pope as a humble servant of peace and love. The Correspondent, Rev. Fr. S. Godwin Selva Justus, offered prayers and called the Pope a beacon of hope and faithful shepherd. The tribute concluded with heartfelt prayers, honoring the Pope's legacy of compassion, service, and faith.



St. Xavier's Meritorious Graduate Award



St. Xavier's Meritorious Graduate Award for School Students was introduced during the silver jubilee finale to honor the SSLC and HSC students, who score the first two places (marks) among the students of the particular parish in SSLC and HSS board exams (Tamil Nadu), of both Kuzhithurai and Kottar Dioceses. Under this scheme, the awards have been given to the meritorious students of the St. Joseph church Appattuvilai, St. Joseph Church, Vattakkarai, St. Antony Church, Chunkankadai, St. Joseph Church, Valanoor, Catherin of Seiyana church, Kappiyarai.





43 companies participated in the recruitment process, comprising **32 on-campus** drives, **4 off-campus** drives, and 7 on & pool drives.

The **highest salary** package offered was **₹8.0 LPA**, while the **average salary** package stood at **₹2.52 LPA**. 323 students are placed and received job offers, marking the highest number of placements in the history of the SXCCE, surpassing the previous record of 274 students placed in 2022.

466 placement offers were made this year, marking the second-highest in the SXCCE history. The highest number of placement offers was recorded in 2022, with an impressive 517 placements.

Department	Percentage(%)	No of Placement Offers
EEE	97.06	70
ECE	82.6	137
CIVIL	85.18	34
MECH	80.2	73
CSE	60.63	67
IT	55.3	35
MBA	27.7	26
MCA	11.86	10
M.E	50	14
TOTAL		466

39 placement training programs were conducted over 943.5 days, with participation from 114 batches and an overall student attendance of 7,115(*Multiple Training sessions were attended by the same group of students).

PLACEMENT TRAINING-SUMMARY(2024-2025)					
Program	No. Of Programs	No. Of Days	No. Of Batches	Total No. Of Hours	No Of Students Attended
Quantitative Aptitude and Logical Reasoning	2	10	2	60	245
Soft Skills	7	14	9	124	486
Company Specific Training	2	10	2	60	145
Orientation & Motivation	3	3	3	18	368
Technical Training	2	8	2	48	278
Corporate interactive sessions	3	2.5	3	28	258
Study abroad Program	2	2	2	6	72
Competition Session	2	2	2	4	586
Internal Coding Training	9	571	49	1131	2588
Internal Com.Skills Training	5	199	21	385	1090
Internal Quants Training	2	122	19	244	999
Total	39	943.5	114	2108	7115*

STUDENTS ACHIEVEMENTS

- **Anto Xavier Jenophine, Arbin CN and Akash CM** of ECE won 2nd prize in Hardware Assembly event in the 4th National Level Technical Symposium conducted by Amirtha College of Engineering and Technology on 16th April 2025.
- **Daphni VS & Ferjith Jowel FJ** of III ECE won 2nd prize in Circuit Debugging event in the National Level Technical Symposium conducted by Amirtha College of Engineering and Technology on 16th April 2025.
- **Sana** of III ECE won 1st prize in Photography event in the National Level Technical Symposium conducted by Amirtha College of Engineering and Technology on 16th April 2025.
- **Akshaya J U and Efhia Stephani M** of ECE won 2nd prize in Tech Talk event in the National Level Technical Symposium conducted by Ponjesly College of Engineering on 25th April 2025.
- **Mr. Akash Roshan** of II CSE secured First Position in Code-a-thon and Second Position in Hunky Brains at a National Level Tech Symposium held at Amrita College of Engineering, demonstrating his problem-solving abilities and strong logical thinking.
- **Ms. Aarthi M A** of III CSE won First Prize in Paper Presentation and Taste and Guess at a National Level Tech Symposium held at Amrita College of Engineering, showcasing her technical skills and creativity.
- In a symposium conducted by Sri Ranganathar institute of Engineering and technology on April 4, **Anto Bright J** of third year, has secured second prize in CAD MODELLING and **C Anstin, A Micheal Ajin , Alfrin John M** team of second year has secured second prize in Hackathon.
- In symposium conducted by Thiagarajar college on April 8, **J Anto bright and Adith Krishnan S C** of second year secured first prize in blueprint battle , second prize in binary fetch.
- The **"iNanjil"** software was developed by second-year and third-year AI&DS students. The app was officially launched by four Reverent Fathers on 07.04.2025. Following the launch, Mr. Ahamed Shafeek S, a third-year student, delivered a comprehensive and well-articulated demonstration of the project, outlining its objectives, features, and potential impact.

ACADEMIC ACTIVITIES

INTERNATIONAL CONFERENCE - ICSFM '25

The Department of Management Studies, St. Xavier's Catholic College of Engineering, Chunkankadai, organised a Two-day International Conference in the conference hall on "Shaping the Future of Management: Human-Technology Collaboration for a Smarter Tomorrow (ICSFM '25)" on the 8th and 9th of April 2025 and over 256 members participated. The conference focused on providing a dynamic platform for scholars, industry professionals and policy makers to explore the evolving synergy between human expertise and technological advancement in the field of management.

On the first day there were 4 speakers, The Chief Guest, Dr. K. Shankar Ganesh, Registrar and Vice-Chancellor of Sharada University, Uzbekistan, who also delivered the inaugural address. Dr. Sharan Kumar Shetty, Professor and Head of MBA, A.J. Institute of Engineering and Technology, Mangalore, Karnataka, Dr. S. Ajitha, Associate Professor of Management and Commerce, Ramiah University of Applied Sciences, Bengaluru, Mr. Richard Crossley, Head of Platform, Hedge Funds – Seganti, Hong Kong, addressed the audience via webcast on the topic "Impact of Emerging Technologies on Intellectual Property Rights." For the 2nd day of the conference there were 3 speakers: 1. Mr. Dikshit Khatri, Senior Delivery Manager, HSBC, Hong Kong, Dr. R. Sakthivel, Associate Professor, Department of Commerce (PG), Kristu Jayanti College, Bengaluru Dr. C. Janarish Saju, Senior Data Scientist (Gen AI), Ikonz, Hyderabad.



VALUE ADDED COURSES

The Department of Computer Science and Engineering conducted a Value Added Course on **Power BI** for the final year (IV CSE) students from 7th April 2025 to 15th April 2025 in association with ICT Academy. The primary objective of the course was to enhance the students' data visualization and business intelligence skills, bridging the gap between academic learning and industry requirements. The sessions were effectively handled by Ms. Ambika Veildurai, Trainer, ICT Academy.

A Value Added Course on **Amazon Web Services (AWS)** was conducted for the IV Year Computer Science and Engineering students from 7th April 2025 to 15th April 2025 organized by the ACE Association (Association of Computer Engineers) in association with ICT Academy. The sessions were delivered by Mr. S. Guru Santhosh, Trainer from ICT Academy who guided students through essential AWS modules including EC2, S3, IAM, Lambda and Cloud Deployment Strategies.



SYMPOSIA

A National Level Technical Symposium **“Tech-Beta 2K25”** was organized by the department of Information Technology and BRIGITZ – the department association on 4th April 2025.

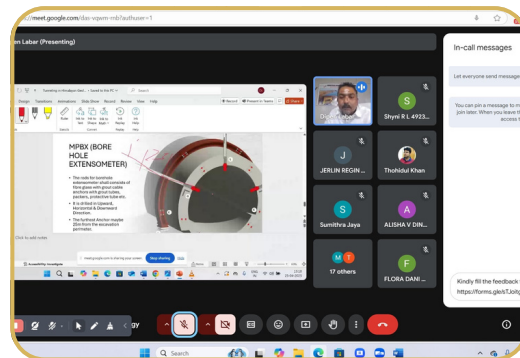
The ELECTROS of ECE Department organized a National Level Technical Symposium - **ELECS PARK'25** on April 11th, 2025, from 09.00 a.m. to 04.15 p.m. Mr. Babin T Praise, Senior Consultant, Infosys Pvt Ltd, Trivandrum given a key note includes “Always keep learning — it keeps you growing”, Stay committed and responsible in everything you do, Never forget the basics — they are your strongest foundation. Mr. Abhishek R, Strategic Advisor at ChekInTek, shared strategies on business planning, funding, and overcoming challenges. The total participants from other college are 224 students for various technical and non – technical events.

The Association of Mechanical Engineering (MEGX) organized a National Level Technical Symposium titled **METEOR'25** on 25th April 2025. Dr. G. Shanthos Kumar, Faculty Advisor of MEGX, welcomed the gathering warmly. The Head of the Department, Dr. G. Antony Miraculas, introduced the chief guest, Mr. A. Joseph Selvaraj, Founder of Petrafons, Nagercoil, who then delivered an inspiring and motivational address, which was highly beneficial to the students. Dr. V. Christus Jeya Singh, Vice Principal, delivered the felicitation address, and the Presidential address was given by our Correspondent, Rev. Fr. S. Godwin Selva Justus.



FDP on Sustainable construction technology

The six days FDP was organised by the REACH Association, Department of Civil Engineering from 21-05-2025 to 26-05-2025, on the theme, "Sustainable construction technology". The target Participants are Research scholars and faculty members from various colleges. 48 faculty members participated in the knowledge sharing sessions. Each session was addressed by industrial experts on sustainable concepts related to tunneling, offshore construction, himalayan geology, energy gradings and practices. The FDP was very useful for the participants.



Workshop on smart Research

The Reach Association of Civil Engineering Department has conducted a oneday workshop on Smart Research. The topic for first session was, Micro structural Depiction of concrete - an overview. Dr. M Indhumathi, Associate professor, Ramco Institute of Technology handled the session. the first session ended by 12:30 pm. After the break, the second session began by 1:30 pm, Ms. A Ilanthalir, our Research Scholar took over the session on OriginPro software.



On April 7, 2025, the Department of Computer Applications organized an industrial visit to the **Kudankulam Nuclear Power Plant** for 43 I MCA students, accompanied by three faculty members. The visit began at 7:30 a.m. and included a warm welcome and introductory session by Mr. Satheesh. Students viewed a visual demonstration on the plant's functioning, followed by an informative seminar covering nuclear power applications, environmental impact, and industry insights.

On 24th April 2025 a total of 108 students from II CSE accompanied by 6 faculty members visited **M Squared Software & Services Pvt. Ltd.**, a leading IT solutions company in Kerala. The visit was organized by the Association of Computer Engineers (ACE) with the objective of providing students with real-time industry exposure and insights into software development practices.



On 25th April 2025 a group of 108 students from III CSE accompanied by 6 faculty members visited **Srishti Campus**, a renowned software training institute in Kerala. The visit was organized by the Association of Computer Engineers (ACE) with the aim of giving students industry exposure and practical insights into the field of software development and IT training.

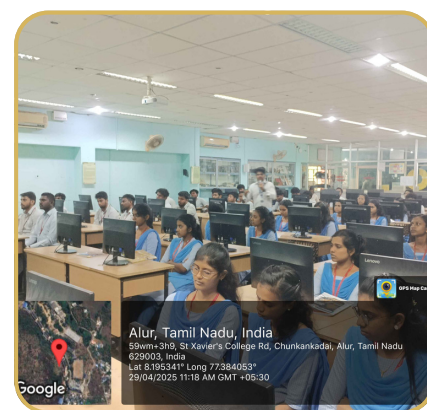


INDUSTRIAL VISIT



A seminar on **"Security Testing / Penetration Testing"** was organized for the final year IT students on 23rd April 2025 was organized by IET and Brigitz - the department association of Information technology with Vinodh K R, Senior Consultant at Infosys as the resource person.

A technical talk on **"Innovative Data Warehousing Strategies for Business Analytics"** was organized by the BRIGITZ for the final year IT students on 25th April 2025 with Austrin Rency, Project Lead, Allianz Technology, Trivandrum as the resource person.



The Association of Computer Engineers (ACE) organized a seminar on **"Mastering Full-Stack Web Development with the MERN Stack"** on 29th April 2025 at the Innovative Computing Lab. The resource person for the session was Mr. Sajin R, Team Lead at Rooks and Brooks Technologies Pvt. Ltd.

A Career Guidance Seminar was organized by the ACE Association for the IV Year Computer Science and Engineering students on 22nd April 2025. The session featured Mr. Santhiya N, Student Counsellor BDO and Mr. Sajin T S, AI Developer as the resource persons who shared expert guidance on career planning, skill development and emerging fields in technology.



The Association of Computer Engineers (ACE) in association with ICT Academy organized a webinar on **"Data Science"** on 23rd April 2025. The event witnessed enthusiastic participation from 92 students of the Department of Computer Science and Engineering (CSE). The resource person for the session was Mr. Jeyasurya S M, Data Analyst at Prudent Technologies and Consulting. He provided valuable insights into the fundamentals and applications of data science in today's technology-driven world.



A seminar on Intelligent Web App Development was conducted on 24th April 2025 for the IV Year CSE students organized by the ACE Association. The resource persons for the seminar were Mr. Framil Xavier (AI Developer), Mr. Samuel Begin (Software Developer), Ms. Ashvini (Project Coordinator) and Ms. Agnes Tina (HR Executive).

On 04th April 2025, the IQAC conducted an NBA external mock audit. The audit aimed to assess the institution's readiness for NBA accreditation. Four departments were evaluated: ECE, EEE, MECH, and H&Sc. The day began with a presentation by the Principal from 9.00 am to 9.45 am. From 10.00 am to 3.30 pm, the audit panel visited departments and amenities, interacting with faculty and reviewing documents. A stakeholder meeting was held from 3.45 pm to 5.00 pm, involving students and faculty. An exit meeting took place from 5.00 pm to 6.00 pm, with auditors offering constructive recommendations. The audit showcased the institution's structured approach to quality and its commitment to academic excellence.



Awareness on Revit MEP for Mechanical Engineers

Exploring REVIT MAP: Advancing Mechanical Engineering with Cutting-Edge Design Tools

On 8th April 2025, an awareness session on "Revit MEP for Mechanical Engineers" was conducted by Mrs. V. Sumitha, a Technical Trainer from G-TEC Computer Education, Nagercoil. The session aimed to enhance participants' proficiency in REVIT MAP, focusing on its applications in mechanical engineering design. With 68 participants, including 66 students, the event provided valuable insights into advanced design tools for the industry.



PLACEMENT ACTIVITIES

- A **Business English Speaking Skills Test** was conducted from 28th to 30th April for all second-year students. The test was administered by 26 staff members from various departments who had been previously trained by Dr. James Ligorious.
- Training on **Node js** was conducted for 80 students from II & III year-Blossoms on 15.04.2025 by Mr. Rakshith, Software Engineer, Soft Square Solutions, Chennai.
- A training program, "**Placement Success Program: From Prep to Offer**" was conducted Online on 26.04.2025 by Mr. Vincent Raja, Senior Engineer II, Rocket Software, Chennai. 75 students were benefited.

TRAININGS



PLACEMENTS

- **Vasanth & Co Mega Job Fair-2025** was conducted on 12.04.2025, with Member of Parliament Mr.Vijay Vasanth, honouring the event as the chief guest.781 candidates from across Kanyakumari participated, 441 job offers were distributed.
- **JSE Engineering Pvt.Ltd**(Core-MEP Company)-Virtual On Campus Placement Drive was conducted for B.E-Mech,Civil,EEE,ECE on 21.04.2025. Eligibility criteria was 60% and above in 10th, 12th and 7.5 CGPA in Degree. Salary package is ₹2.4 lakhs per annum (CTC). The results are yet to be announced.
- **FemtoSoft Pvt.Ltd.-** On Campus Placement Drive was conducted for All B.E/B.Tech & MCA on 28.04.2025 at 9.00 am. Eligibility criteria was 60% and above in 10th, 12th and 6.0 CGPA in Degree. Salary package is ₹2.04- 3.0 lakhs per annum CTC). 17 were selected and provided with the job offer.
- **Regami Solution-** Virtual On Campus Placement Drive was conducted for B.E–CSE,IT, EEE, and ECE on 29.04.2025. Eligibility criteria was 60% and above 10th & 12th and in Degree. Salary package is ₹.3.6 lakhs per annum (CTC). The results are yet to be announced.

Results of Previous Campus Placement Drives

Prochant Technologies- On Campus Placement Drive was conducted for B.E/B.Tech-CSE,IT, ECE,EEE, MECH, CIVIL & MCA, M.E-All departments on 07.03.2025. Eligibility criteria was 60% and above in 10th, 12th and 6.0 CGPA in Degree. Salary package is ₹2.45 lakhs per annum (CTC). 11 Students were shortlisted for the HR interview at the company premises on 24.04.2025. The results are yet to be announced.



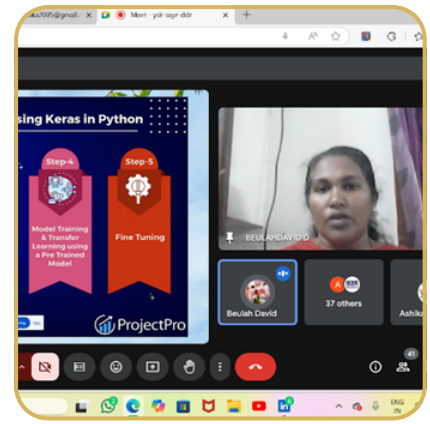
CELL ACTIVITIES

NCC DAY



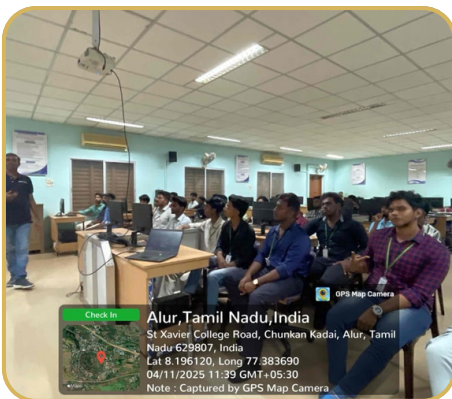
NCC Day was celebrated on 04-04-2025 in our college. Cadet Under Officer R. Reshma welcomed the gathering. ANO Maj. S.Edwin Gladson presented the report of NCC activities for the academic year 2024-2025. Col C P Unnikrishnan, Officer Commanding, 11 (TN) BN, NCC, Nagercoil, was the Chief Guest of the function. During his address, he explained the need of self-discipline and hard work to attain the goal. Correspondent Rev Fr S Godwin Selva Justus presided over the function. Principal Dr.J.Maheshwaran gave a special address and appreciated the contribution of cadets to the college and society.

The IEEE Education Society SBC-62851 organized IEEE Education Week 2025 from April 10 to 16, the event featured a six-day webinar series with expert-led sessions across diverse and emerging fields. On Day 1, Dr. Ramalatha Marimuthu spoke about aligning education with Sustainable Development Goals. Day 2 featured Dr. Beulah David, who explored advanced deep learning and Keras implementation. Day 3 introduced students to functional programming with Clojure, led by Ms. Ankayarkanni R. On Day 4, Mr. Collins David provided insights into radar systems and compliance testing. Day 5 was led by Ms. Rubiya Subair, focusing on serverless AI pipelines and smart IoT architecture. Finally, Day 6 featured Ms. Indhumathi Gunasekaran, who discussed data analytics fundamentals and career strategies.



CII-YI-YUVA- Workshop

CII-YI-YUVA organized an insightful workshop titled "Business Model Canvas" on 11-04-2025, aimed at empowering students with practical entrepreneurial tools to transform innovative ideas into viable business models. The session was led by expert facilitator Mr. Satheesh Kumar, Founder & CEO, AgileTribers, Nagercoil, who guided the students through each component of the Business Model Canvas from Value Proposition to Revenue Streams.



ACM&ACM-W School Visit

The SXCCE ACM and ACM-W Student Chapters organized School Visit 2025 on April 7, 2025, at Government Primary School, Alur, to spark curiosity and foster a love for learning among young students. Volunteers led engaging activities including hands-on science experiments, interactive games, a math quiz, and gift distribution, creating a lively and joyful learning atmosphere. This outreach initiative reflected SXCCE's strong commitment to community engagement and promoting STEM education.



MATHS CLUB - QuizQuest 2025

Quiz Quest 2025, organized by the Math Club of St. Xavier's Catholic College of Engineering on 28/04/2025, began with a preliminary round of 18 teams, with six advancing to the final round conducted by Dr.V.Vijimon Moni, Coordinator of the Humanities & Science Department. The event concluded with a valedictory function led by Rev.Fr.S.Godwin Selva Justus, Correspondent, and Dr.J.Maheswaran, Principal, featuring special addresses, prize distribution, and reflections on the importance of mathematics, all under the guidance of Dr M.Felix Nes Mabel and Dr.T.Berjin Magizha.



RESEARCH ACTIVITIES

MoU with NIMS Genomics Lab

St. Xavier's Catholic College of Engineering (SXCCE), Nagercoil, signed a Memorandum of Understanding (MoU) with NIMS Genomics Lab, India, on 21/04/2025, to foster academic and research collaboration in the areas of genomics, bioinformatics, and biotechnology. The MoU aims to promote joint research initiatives, student internships, faculty exchange, and shared use of advanced lab facilities. This partnership will enable SXCCE students and researchers to access cutting-edge genomic tools and techniques, participate in collaborative projects, and explore national and international funding opportunities. The agreement marks a significant step toward interdisciplinary innovation and knowledge exchange in life sciences and engineering.



Meet The Great



As part of the “Meet the Great” series, our college hosted a compelling interactive session on 21st April 2025 at the Einstein Seminar Hall featuring Dr. Aneesh Nair, Principal Scientist and Head, NIMS Centre for Genomic Medicine. A highly respected expert in Clinical Genomics and translational medical research, Dr. Aneesh delivered an insightful talk on “Research Opportunities in Health Informatics”. Drawing from his extensive experience in genomic diagnostics, advanced laboratory technologies, and biomedical innovation, he inspired students and faculty alike by highlighting emerging research avenues in health informatics and the real-world impact of genomic science. The session served as an eye-opener to the interdisciplinary future of healthcare and technology, and left the audience enriched and motivated to explore this dynamic research frontier.

As Journal Reviewer

- **Dr. Suja A. Alex**, Associate Professor, Department of Information Technology reviewed the manuscript for the following SCI journals:
 - a) Transactions of the Indian Institute of Metals, Springer on April 15, 2025.
 - b) Neural Computing and Applications, Springer on April 15, 2025.
 - c) IEEE Sensors Journal on April 20, 2025.
 - d) Archives of Computational Methods in Engineering, Springer Nature on April 24, 2025.
 - e) Franklin Open, Elsevier on April 28, 2025.
 - f) Scientific Reports, Springer on April 29, 2025.
 - g) Applied Soft Computing, Elsevier on April 29, 2025.
- **Er. T M Angelin Monisha Sharean**, Assistant Professor, Department of Information Technology has reviewed a paper in the Journal “IEEE Transactions on Instrumentation & Measurement”, during April 2025.
- **Dr. G Geo Jenefer**, Assistant Professor, Department of Information Technology has reviewed a paper in the Journal “International Journal of Speech Technology”, during April 2025.

- **Dr. Y. Balto**, Assistant Professor, Mechanical Engineering, St. Xavier's Catholic College of Engineering for sharing his valuable knowledge as a resource person and delivered the guest lecture on "Energy Efficient Building Architecture Design Using Cost Effective Methods" on 15.04.2025 to the civil engineering students at Universal College of Engineering.
- **Dr. Y. Balto**, Assistant Professor, Mechanical Engineering, St. Xavier's Catholic College of Engineering for sharing his valuable knowledge as a resource person and delivered the guest lecture on "Nano Materials Characterization Techniques and It's Applications in Nano Fluids" on 16.04.2025 to the mechanical engineering students at Universal College of Engineering.
- **Dr. M. Marsaline Beno**, Dean, Research conducted Career Guidance for Engineering Success at Government College of Engineering Tirunelveli for Final Year EEE Students on 02/04/2025
- **Dr. M. Marsaline Beno**, Dean, Research acted as a Resource person at "Essentials of Entrepreneurship: From Idea to Startup" Organized by Mar Ephrem College of Engineering & Technology on 03/04/2025
- **Dr. M. Marsaline Beno**, Dean, Research acted as a Resource person at SXCCE - Merit Scholarship Student's Parents on how to Choose a right Career for Your wards on 05/04/2025
- **Dr. M. Marsaline Beno**, Dean, Research conducted Career Guidance for 10 to 12 Students at Mela Manakudi Church Career Guidance Event on 06/04/2025
- **Dr. M. Marsaline Beno**, Dean, Research acted as a Resource person at Holy Cross College, Skill Development Program for Students titled "Pioneering Innovations: Leading the Technological Frontier" on 22/04/2025
- **Dr. M. Marsaline Beno**, Dean, Research acted as a Resource person titled "Role of Engineers in Sustainable Development at Government College of Engineering" Tirunelveli for Green Sustainable Academic Partner Inauguration organized by IGEN on 23/04/2025
- **Dr. M. Marsaline Beno**, Dean, Research acted as Resource person at the Global Interfaith & Social Harmony Conference for World Peace, organized by URI Tamilnadu Region titled "SDG 16 and Peace Building "at YMCA Kanyakumari on 24/04/2025
- **Dr. M. Marsaline Beno**, Dean, Research acted as a Resource person at Career Guidance event organized by Our Lady of Snows Church, Thentamarai kulam Parish on 27/04/2025
- **Dr. M. Marsaline Beno**, Dean, Research presented a Key Note Address at IET KKLN Inno Vista 2025 at Mar Baselios College of Engineering, Thiruvananthapuram on 30/04/2025
- **Dr. M. Marsaline Beno**, Dean, Research Participated in Board of Study Meeting at Mar Baselios College of Engineering, Thiruvananthapuram on 30/04/2025

AWARDS

G. Antony Miraculas, Associate Professor & Head, Department of Mechanical Engineering of St. Xavier's Catholic College of Engineering, India has awarded Certificate of Excellence in Peer-Reviewing. The certificate recognizes his outstanding contribution to the quality of the book. It was issued on April 9, 2025, and signed by Dr. M. Basu, Chief Managing Editor.

- **A. Bamila Virgin Louis**," Modified Deep Learning Model in Proactive Decision-Making for Handover Management in 5G", Concurrency and Computation: Practice and Experience , 37(9-11), 10.1002/cpe.70023, April 2025.
- **Y.R.Annie Bessant**, An efficient model using deep convolutional neural networks for modeling underwater images, Evolutionary Intelligence, <https://doi.org/10.1007/s12065-025-01036-8>.
- B. C. Preethi, S. Absa, Y. R. Annie Bessant, M. M. Anwar Rajesh, A comprehensive evaluation of secret key encryption algorithm for cyber security in cloud applications, AIP Conference proceedings, Volume 3137, Issue 1, <https://doi.org/10.1063/5.0262576>.
- **Suja A. Alex, T.** published a paper titled "Smart Energy Control Monitor (SECM)" in International Journal on Science and Technology (IJSAT), Volume 16, Issue 2, on April 7, 2025.
- **MarsalineBeno M** , Artificial Intelligence-Based Soft-Charging Dual Boost Control: PSO-Tuned Reactive Power Compensation for Reliability and Maintenance in Medium Voltage Unbalanced Grid Networks, Eksploatacja i Niezawodnosc – Maintenance and Reliability Volume 27 (2025), Issue 4.

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