



DEPARTMENT OF INFORMATION TECHNOLOGY



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JULY 2023- DECEMBER 2023



St. XAVIER'S
CATHOLIC COLLEGE OF ENGINEERING
(Autonomous)
Chunkankadal, Nagercoil - 629003
Kanyakumari District, Tamil Nadu



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Vision

Creating top-notch Information Technology Engineers, innovative researchers and successful entrepreneurs towards developing a technically-empowered humane society.

Mission

M1. Providing quality technical education and high caliber skill training that meets the needs of society and latest technical expectations of the industry.

M2. Fostering innovative and rigorous research culture among staff and students to find optimal solutions for complex problems.

M3. Imparting value-based education to imbibe ethical principles and act with social responsibility, team spirit, and leadership.

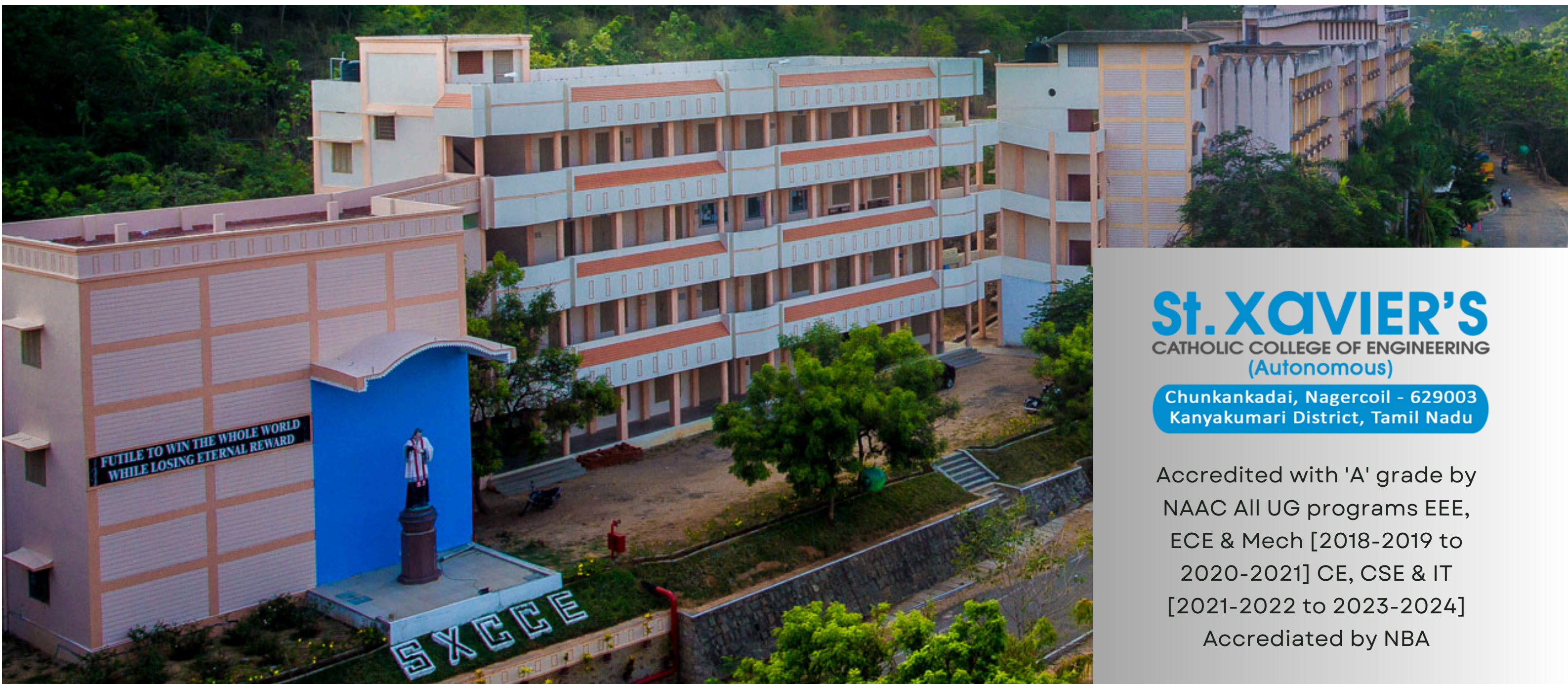
M4. Promoting and developing entrepreneurial skills of the students and handhold them towards commercial success

CONTACT

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Kanyakumari District, Tamil Nadu

Accredited with 'A' grade by
NAAC All UG programs EEE,
ECE & Mech [2018-2019 to
2020-2021] CE, CSE & IT
[2021-2022 to 2023-2024]
Accredited by NBA

FROM THE DESK OF
EDITOR-IN CHIEF



Dr.G.Sahaya Stalin Jose, Ph.D
Head of the Department

It gives me great pleasure to share a few words for this edition of our departmental newsletter for the academic year 2023-2024. This issue highlights and celebrates the various events, achievements, and initiatives that took place between July 2023 and December 2023.

The newsletter reflects the collective spirit, commitment, and creativity of our students and faculty. From academic accomplishments to vibrant cultural activities and innovative projects, the past few months have been filled with growth and inspiration.

I encourage every student to stay engaged, keep learning, and make the most of every opportunity. Let this newsletter not only serve as a record of our journey but also as a motivation for future milestones.

My sincere appreciation goes to the editorial team for their dedication in compiling and presenting this edition so thoughtfully.

Wishing you all continued success and progress in your academic and personal pursuits.

ABOUT OUR DEPARTMENT

The department of Information Technology was established in 2001 with an initial intake of 60 students. Since then, our mission has been to produce outstanding IT professionals capable of addressing the challenges encountered by both industry and society.

Equipped with state-of-the-art laboratories featuring the latest configurations, we are dedicated to enhancing the analytical and practical skills of our students.

Salient Features

- Excellent record of academic achievement extending 20 years.
- Experienced and dedicated faculty with 5 Ph.D. holders and 4 pursuing Ph.D's
- Every classroom has a wall-mounted LCD.
- The project lab, IT lab, and computer center are designed to assist faculty and students in using computers and completing projects online. Every lab has air conditioning installed with the most recent system configurations.

Our department composed a team of experienced and dedicated faculty members committed to delivering quality education, project guidance, personality development, and mentorship.

We place a high priority on ensuring that our students stay current with technology through cutting-edge MOOC courses, enrichment activities, and value-added projects. Because of this, our students consistently achieve excellent placements with reputable businesses.

Furthermore, we provide a platform for our students' holistic development, including opportunities in sports, culture, curricular activities, and technical pursuits. We are committed to nurturing well-rounded individuals who can thrive in various aspects of life.

We are honored that Anna University has awarded our department a research center.



EXPLORING THE CHRONICLES



A technical seminar on “Ethical Hacking” was organized on 12th of August 2023 with Antonet Reeta, Network Specialist, Networkz Systems as the resource person.

A guest lecture on “Red Team Operations on Cyber Security” on 5th of Sep with Er. R Ajay, Threat Analyst, Sophos (Alumnus -IT) as the resource person.



A hands-on training on “Microsoft Azure” was organized on 16th of Sep 2023 with Dr. A J Deepa, Specialist Learning, Infosys as the resource person.

A hands-on training on “Canva” was organized on 16th of Sep 2023 with Mr. M G Midhun of final year IT acted as the resource person.



A seminar on “What’s Next? (AR & VR)” was organized on 16th of Sep 2023 with Er. B Pradeep Sathya, Regional Head, Scopik Edutech as the resource person.

A hands-on training “Hardware and Networking” was organized on 16th of Sep 2023 with Dr. Antony Joan Kumar, Mr. Rubert, Mr. R Baiju. Mr. M John Paul of St, Xavier’s Catholic College of Engineering as the resource person.



ACHIEVER'S CORNER

STAFF ACHIEVEMENTS

<u>STAFF NAME</u>	<u>STAFF ACHIEVEMENTS</u>
Dr. G. Sahaya Stalin Jose	FDP attended Designer Learner-Centric E-Learning In Stem Disciplines
Dr. Annrose.J	FDP attended Blended Learning & Flipped Classroom
Dr. Suja A. Alex	FDP attended Cloud Infrastructure
Dr.N. Ansgar Mary	Workshop attended Virtual Faculty Buildathon, Data Analytics with Cognos FDP attended Programming ,Data Structures And Algorithms Using Python
Er. T.M. Angelin Monisha Sharean	FDP attended Programming, Data Structures And Algorithms Using Python Workshop attended Virtual Faculty Buildathon, Data Analytics with Cognos
Er. G.Geo Jenefer	Workshop attended Virtual Faculty Buildathon, Data Analytics With Cognos FDP attended Full Stack Web DevelopmentAR,VR And Metaversedevelopment
Er. Arul Rex A	FDP attended Outcome Based Curriculum and Accreditation Criteria Accreditation And Outcome Based Learning
Er. Anishya P	Workshop attended Virtual Faculty Buildathon, Data Analytics with Cognos FDP attended Machine Learning and Applications Full Stack Web Development
Er. Agnes Alex Rathy P	Workshop attended Virtual Faculty Buildathon, Data Analytics with Cognos FDP attended Data Analytics

Gallery



CONFERENCE PUBLICATIONS

PATROL ROBOT TO IMPROVE SAFETY IN BLIND SPOTS

Dr. Annrose.J

G-DCNN: GAN BASED DEEP 2D-CNN FOR COVID-19 CLASSIFICATION

Dr. Suja A. Alex

BLOCKCHAIN BASED E-MEDICAL DATA STORAGE FOR PRIVACY PROTECTION

Dr. Suja A. Alex

RBM-SMOTE BASED DEEP LEARNING MODEL FOR IMBALANCED MEDICAL DATA LEARNING

Dr. Suja A. Alex

SMART BIN: AN IOT-BASED BIN FOR GARBAGE MONITORING

Dr. Suja A. Alex

JOURNAL PUBLICATIONS

POWER PERFORMANCE AND EMISSIONS ANALYSUS OF OUTBOARD DIESEL ENGINES BY USE OF WASTE COKKING OIL BIODIESEL

Dr. Annrose.J

SPAM TWEETS CLASSIFICATION USING DEEP LEARNING

Dr. Suja A. Alex

STUDENT ACHIEVEMENTS



- Shahul Hameed Maheen from III year being selected as a finalist in the student thesis competition on Re-imagining Urban Rivers, organized by the National Mission for Clean Ganga and the National Institute of Urban Affairs, and receiving a cash prize of Rs. 10,000 is a significant accomplishment.



- Bharath.S, Moses Jaya Singh.P, Kishore.K, and Britto John Bennet from III year in being selected as finalists in the Inventors Challenge 2023 and participated in the final round at NIET, Greater Noida, organized by AICTE in collaboration with Arm Education and STMicroelectronics, is truly impressive.

Conference Presentations

Sl. No	Roll No.	Student Name	Conference Details
1.	502144	K Roselin Vaanathi	Smart Bin – An IoT based bin for garbage monitoring - ICCVIOT'23, Karunya Institute of Technology and Sciences
2.	502029	J R Jerlin	
3.	502045	Stains K S Mault	

Co-Curricular Activities

Intra College		
502102	J. Anianerin	Third prize – Group Song – NSS, SXCCE
502155	S. P. Sreelekshmi	
502129	R. Jenisha	
502154	S. R. Sneha	