



# Department of Information Technology

**JULY 2024 - DECEMBER 2024**



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## Vision

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

## Mission

- M 1. 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



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



**BRIGITZ**  
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# St. XAVIER'S

CATHOLIC COLLEGE OF ENGINEERING  
(Autonomous)

Chunkankadai, Nagercoil - 629003  
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



**Dr. G. Sahaya Stalin Jose, Ph.D**

**Head of the Department**

Greetings!

As we embark on another vibrant academic semester from July to December 2024, I extend my warm wishes to everyone in the Department of Information Technology. This period marks not just a continuation of our journey in education and research, but also a reaffirmation of our commitment to excellence, innovation, and inclusivity. Our department continues to thrive with a dynamic blend of curricular advancements, student-centered initiatives, and impactful research endeavors. I am proud to witness our students actively participating in hackathons, research forums, internships, and community outreach programs—demonstrating both technical competence and social responsibility. Faculty members have also made significant strides, contributing to quality publications, securing funded projects, and integrating modern pedagogical tools to ensure Outcome-Based Education (OBE) is effectively realized in every classroom. This semester, we aim to further strengthen our collaborations with industry and academia, organize insightful workshops and seminars, and support student innovations through tech clubs and incubation efforts. I encourage all students to take full advantage of these opportunities to explore, experiment, and excel. Let us continue to nurture a culture of inquiry, integrity, and inspiration. Together, we will shape a future-ready generation equipped not just with knowledge, but with the wisdom to apply it meaningfully.

Wishing you all a productive and fulfilling semester ahead!



# ABOUT OUR DEPARTMENT

The Department of Information Technology was established in the year 2001 with an initial intake of 60 students. Since its inception, the department has remained steadfast in its mission to produce competent and socially responsible IT professionals equipped to meet the dynamic demands of industry and society. Our department boasts state-of-the-art laboratories with advanced configurations to foster analytical thinking and practical problem-solving skills among students.

## Salient Features

- Excellent record of academic achievement extending 24 years.
- Experienced and dedicated faculty with 7 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.

A team of experienced and dedicated faculty members drives our commitment to delivering high-quality education, project guidance, and mentorship, ensuring students grow academically and personally.

To enhance technical exposure, robotics classes are conducted every week in collaboration with Hiltek, offering students hands-on learning in automation and intelligent systems. Additionally, library hours are integrated into the regular timetable to instill reading habits, research skills, and academic discipline.

We provide ample opportunities for students to enhance their skills through technical enrichment activities and value-added projects. As a result, our graduates consistently secure excellent placements in leading companies across various domains. In addition to academics, we offer a holistic platform for students to explore and excel in sports, cultural, and technical arenas—shaping them into well-rounded individuals prepared for the global stage.



# EXPLORING THE CHRONICLES



Career Guidance – Q&A session – 21st August 2024

Seminar – Data Science with AI – 19th August 2024



Seminar – Cyber Security – 19th August 2024

Installation – BRIGITZ – 6th September 2024



Workshop-on-“AR-VR”-20th-August-2024





Atal FDP - Cloud DevOps - 19th to 24th August 2024

Seminar - Wireframe design for Mobile and Web App - 19th August 2024



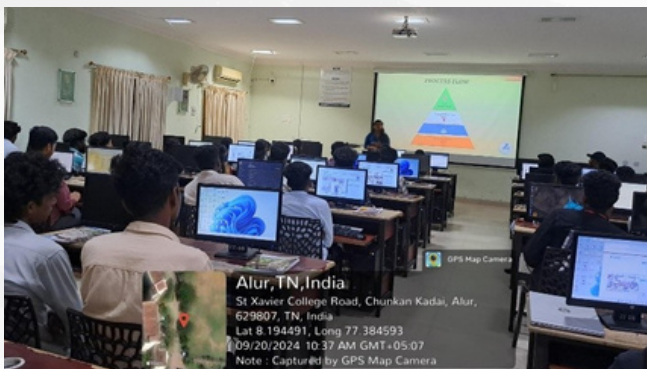
Seminar - Red and Blue team Operations in Cyber Security - 9th September 2024



Career Guidance - Walking towards your future - 6th September 2024



Workshop - Rapid Solution implementation using SAAS - 20th August 2024





Career guidance in IT and non-IT fields for IT students – 1st October 2024

Seminar – Innovate to Elevate -IoT Solutions for Real-World Challenges – 8th October 2024



Seminar – From Campus to Corporate: Essential Skills for Successful Transition – 6th October 2024

# STAFF ACHIEVEMENTS

## JOURNALS

- **Suja A. Alex, "Imbalanced data learning using SMOTE and deep learning architecture with optimized features", Neural Computing and Applications, 2024, 1-18, (Scopus) – Oct 2024**
- **Arul Rex A, "Priority-based multi-objective routing in underwater sensor networks using adaptive honey badger algorithm", Journal of Circuits, Systems and Computers, 2550090.(SCI)**

## BOOK PUBLICATIONS

<b>Mastering Leadership Skills for Professional Success(Chapters in Book)</b>	Dr. Suja A Alex	44296715
<b>Artificial Intelligence-Enabled Tools to Enhance Education(Chapters in Book)</b>	Suja A. Alex, BG Briyolan	978-104002145-3



# Gallery





# INDUSTRIAL VISIT



III Year Industrial Visit: Visited Mafiree on 23rd August 2024.



IV Year Industrial Visit: On 9th August 2024, 60 Final Year B.Tech IT students and 3 staff members visited Ranu Food Industry.

# INDUSTRIAL VISIT



III IT Students: Visited XCEL Corp and Excerpt Technologies Private Limited, Bangalore for Industrial Visit.