



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

Chunkankadal, Nagercoil - 629003  
Kanyakumari District, Tamil Nadu

An Autonomous Institution 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

## **Department of Electronics and Communication Engineering**

### **Association Report-ELECTROS (2022 -2023)**

It's a great pleasure to present the annual report of Electronics and Communication Engineering department for the academic year 2022-2023, which explores the talents of the budding engineers to deal the challenges of the corporate world. The association of Electronics and Communication Engineering department (ELECTROS) supports the students to enhance their technical and personal skills to meet the present challenges and fluctuating environment

The inaugural function of ELECTROS for the academic year 2022-2023 was organized by the department of Electronics and Communication Engineering on 15<sup>th</sup> September 2022. The new office bearers of ELECTROS

Secretary	:Ms.Ajeesha James J.J of Final ECE-A
Joint Secretary	:Ms.Sherin Dhanya D, Final ECE-B
Treasurer	:Mr.Biju B, III ECE-A
Executive Members	:Ms.Nimmi Mafila B, I M.E Communication Systems
	Ms.Ashna Japhin J, I M.E Medical Electronics
	Ms.Angelin Benita E, Final ECE-A
	Mr.Mohamed Yosuf J, Final ECE-B
	Ms.Brintha, III ECE A
	Ms.Shali S.S, III ECE B
	Mr.Wilfren M, III ECE B
	Ms.Amina Beevi M, II ECE A
	Mr.Daldon Vargis Raja J, II ECE A
	Ms.Suha Fathima S, II ECE B
	Mr.Krishna, II ECE B

The ceremony started with the prayer song and the welcome address was given by Ms.S.S.Shali of III ECE B. The Office Bearers of the association was introduced by the Faculty Advisor Mrs.T.Mary Little Flower. The Secretary Ms.J.J Ajeesha

James presented the year plan report. Rev. Fr. Dr. M. Maria William, correspondent of the institution delivered the presidential address and Dr. J. Maheswaran, principal felicitated the gathering. The honourable chief guest was introduced by Dr.S.Caroline HOD/ECE. The chief guest address was given by Dr. A. S. Raja, Senior Data scientist, Envest net Inc, Trivandrum. The alumnus of the day was introduced by Nimmi Mafila of II ME Communication Systems. The alumnus address was given by Mr. F. Treasgius Sathya Dhas, Team Lead, Capestart, Nagercoil. The Praslee Christus award sponsored by the alumina Praslee Christus P.L was given to the best mini project. The formal function ended with the vote of thanks by the Executive member S. Suha Fathima.

To enhance the skills of the students, a seminar on "Soft skills development" was conducted on 18<sup>th</sup> August 2022 and a seminar on "Career skills development" was conducted on 2<sup>nd</sup> September 2022 for final year ECE students.

To know about artificial intelligence a webinar on "Python with AI" was conducted on 10<sup>th</sup> September 2022 for 2<sup>nd</sup> year and 3<sup>rd</sup> year ECE students.

To motivate the students a webinar on "Employability skills development" was conducted on 10<sup>th</sup> September 2022, for final ECE students.

To improve the software skill, a webinar on "Basic of front end technology" was conducted for second year ECE students and a workshop on "Web Development" was conducted for 3<sup>rd</sup> year students on 17<sup>th</sup> of September 2022.

To make the students familiarize with latest technology, a hands on workshop "Data science and Python" for 2<sup>nd</sup> year students and workshop on "Data analytics" for final year ECE students was conducted on 17<sup>th</sup> September 2022.

To improve the skills of the students, seminar on "Personality Skills Development" was conducted on 17<sup>th</sup> September 2022, for second year ECE A and final year ECE students.

Hands on training on "PCB Design" was conducted on 17<sup>th</sup> September 2022, for third year ECE students.

Seminar on "Guidance for Competitive Exams" and a seminar on "Effective Communication" was conducted on 24<sup>th</sup> September 2022, for second year ECE A students. Seminar on "Communication in Future" and a guest lecture on "Overview of Microcontroller" was conducted on 24<sup>th</sup> September 2022, for second year ECE B students.



To improve the hands on experience of the students, a workshop on "MATLAB with Image Processing Applications" was conducted for third year ECE students and a workshop on "Verilog HDL" was conducted for final year ECE students on 24<sup>th</sup> September 2022.

To enhance the design thinking of the students, a workshop on "Photoshop" was conducted on 24<sup>th</sup> September 2022, for second year ECE A students.

A seminar on "PLC & SCADA" was conducted on 24<sup>th</sup> September 2022, for final year ECE students. A seminar on "Data science" was conducted on 24<sup>th</sup> September 2022, for final year ECE students.

One day hands on workshop "Layout design using CADENCE" was conducted on 24<sup>th</sup> November for PG students of ECE department.

A seminar on "Amazon Web Service" was conducted on 11<sup>th</sup> March, 2023 for the III year ECE A and IV year ECE students. A seminar on "Introduction to Mainframes TSO/ISPF programming using cobol " was conducted on 21<sup>st</sup> March, 2023 for the final year ECE students. A seminar on "AI and Machine Learning" was conducted on 21<sup>st</sup> March, 2023 for the third year ECE students.

To have industry exposure for students, industrial visits and educational tours were arranged. An industrial visit to KELTRON was arranged for the second year students ECE A students on 27<sup>th</sup> October 2022 and for second year ECE B students on 16<sup>th</sup> November 2022.

An industrial visit to Pantech and Prolific Systems and Technologies Pvt. Ltd. in Chennai was arranged for III year students from 28<sup>th</sup> October to 29<sup>th</sup> October 2022. All India Educational tour to Delhi, Agra, Amristar and Manali was arranged for final year students from 6<sup>th</sup> January 2023 to 16<sup>th</sup> January 2023.

Today, the 25<sup>th</sup> March 2023, ELECTROS in association with ACM and Robotics club is organizing National Level Technical Symposium. We are going to conduct different technical events like paper presentation, poster presentation, technical quiz, technical talk and circuit debugging for our students and other college students, which provides a platform for students to showcase their talents.

  
Student Secretary

  
Faculty Advisor

  
Principal

  
Chief Guest

  
Correspondent