



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

NEWSLETTER

July 2023 to December 2023



ELECTROS

Department of Electronics and
Communication Engineering



Editors

Mrs.A.Anitha, AP/ECE

Mr.V.M. Sachithanandha Prabhu , IV ECE B

Ms.S.Eme Breeza IV ECE A

Mr.Krishna, IV ECE B

Mr.S.Melvin Victor II ECE B

OBJECTIVE:

To be one of the best platform of Electronics and Communication Engineering that provides education, research and transfer to the community a large and to be recognized as a place that encourages excellence and diversity in thought and endeavour.

VISION:

To emerge as a leading department in creating students with unique technological spirit of creativity and leadership skills that enables them to make a global impact towards the availability of technology to mankind from all walks of life.

MISSION:

1. To impart quality education, training and research at the undergraduate, post graduate and doctoral level in all the levels of Electronics and Communication Engineering.
2. Establish a unique learning environment to enable the students to face the challenges of the Electronics and Communication Engineering field.
3. To help the students to develop the skills to solve the complex technological problems of modern society.
4. To equip the students with a broad intellectual spectrum inorder to prepare them for diverse and competitive career path.

OUTCOME:

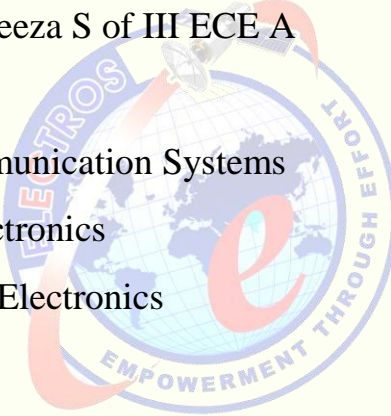
On completion of degree the Electronics and Communication graduates will be able to:

1. Utilize the basic knowledge in mathematics, science and engineering in Electronics and Communication Engineering field.
2. Identify, formulate and solve complex problems to achieve demonstrated conclusions using mathematical principles and engineering sciences.
3. Apply the contextual knowledge to assess societal, health, safety and cultural issues and endure the consequent responsibilities relevant to the professional engineering practice.
4. Perform effectively as a member/leader in multidisciplinary teams.

ELECTROS OFFICE BEARERS

ELECTROS, the electronics society of our college was initially started in the year 2001. It aims to enrich the technical knowledge of the engineers in the field of Electronics and Communication Engineering by conducting various programs, including technical seminars, guest lectures, hands-on workshops, industrial visits, and technical competitions, which help the students develop their skills to solve the complex technological problems of modern society and bridge the gap between academics and industry.

- Secretary : Mr.A.Mohamed Imran of IV ECE B
- Joint Secretary : Ms. Fathima Shapna Aashme.Y of IV ECE A
- Treasurer : Ms. Eme Breeza S of III ECE A
- Executive Members :
- Ms. Devi Krishna of II M.E-Communication Systems
- Ms. Nancy of II M.E Medical Electronics
- Mr. Little Bruze.S, II ME Applied Electronics
- Mr. Godwin.R of IV ECE A
- Ms. Rishitha S.S of IV ECE-B
- Ms. Jason Daniel.B of III ECE A
- Ms. Sushma Sree.K of III ECE B
- Mr. Sachithanandha Prabhu V.M of III ECE B
- Ms. Anashika A of II ECE A
- Mr. Arockia Fedrick Revin U of II ECE A



SEMINAR ON 'AI UNLEASHED:EMPOWERING ENGINEERS TO SHAPE THE FUTURE'

Date: 12-08-2023

Time: 1.00pm-4.15 pm

Duration: 3 hours

Venue: VLSI Lab

Resource Person: Ms.Kajal Kiran, Data Scientists



Electros in association with ACM students chapter and Robotics club organized a technical seminar on 'AI Unleashed:Empowering Engineers to shape the future' for III and IV year ECE students on 12-08-2023 from 1.00pm to 4.15 pm at VLSI lab. The resource person was Ms.Kajal Kiran, Data Scientist. She is one of our alumna. She explained the AI and its uses in real time applications also her project 'The Lifetime Calculation using Artificial Intelligence'. Machine learning and deep learning techniques were also clearly explained. Also she explained the importance of python in this programming world. She also explained the scope of AI and job opportunities in Netherland. Students learned more concepts and gained more information about artificial intelligence, deep learning and Machine learning.

HANDS ON TRAINING-MATLAB

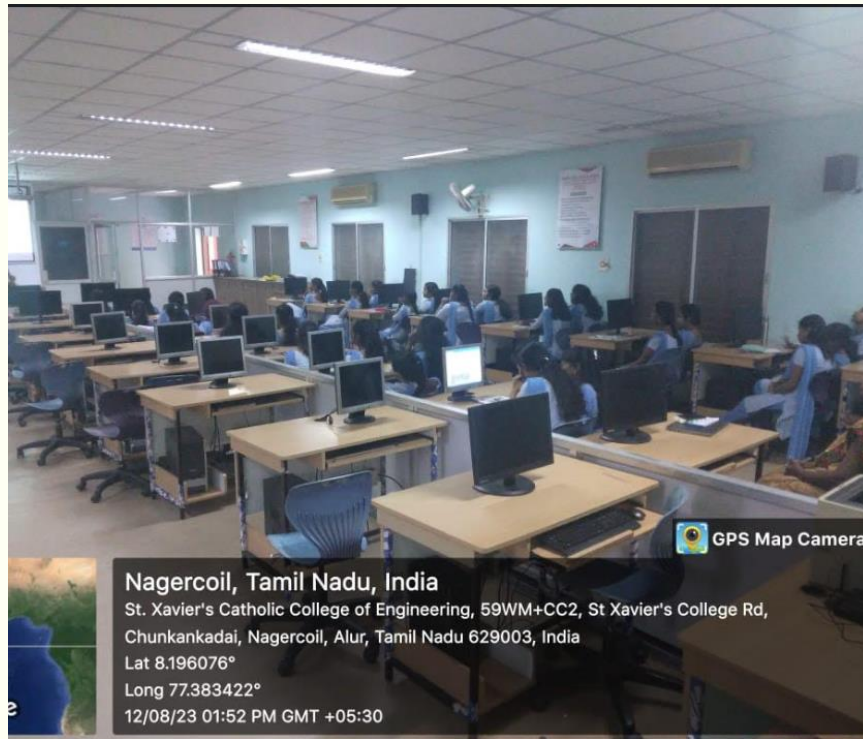
Date: 12-08-2023

Time: 10:45 am-12.15pm

Duration: 1:30hours

Venue: VLSI Lab

Resource Person: Dr.S.Maria Seraphine Sujitha,Dr.B.C.Preethi.



Electros the association of ECE department organized a Hands on training in MATLAB programming for III year ECE students from 10.45am to 12.15pm at VLSI lab on 12-08-2023. The resource persons were Dr.S.Maria Seraphine Sujitha,Dr.B.C.Preethi,Assistant Professors,ECE Department. They explained the basic matlab programming concepts with examples. Then they asked the students to write code for simple programs. This training was more useful for the students to gain knowledge in matlab programming.

SEMINAR ABOUT UPSC

Date: 12-08-2023

Time: 10.45am-12.15pm

Duration: 3 hours

Venue: EMBEDDED Lab

Resource Person: Shiqnaz Ahas, Managing director at ECS Academy.



Electros the association of ECE department organized a career guidance program 'About UPSC' for III year ECE students from 9.00am to 10.30 am and for IV year ECE students from 10.45 am to 12.15 pm at Embedded lab on 12-08-2023. The resource person was Ms. Shiqnaz Ahas, Civil service mentor, Expertise in UPSC prelims, mains and interview Managing director at ECS Academy. She gave a lot more idea about understanding of UPSC and the three stages of the exam pattern as preliminary, mains and personality test, exam pattern. She shared the syllabus for the UPSC exam and some books for the preparation and the strategy to gain knowledge. She stressed a point that consistency is the key to go from average to excellence. After the final selection how the training goes, and the perks and benefits there and the lifestyles are mentioned. She shared some stories of the current Collectors how they got into this area and the struggles they faced and at last how they succeed. The power of the civil servant were also discussed.

SEMINAR ON NETWORKING

Date: 16-09-2023

Time: 9.00pm-12.15pm

Duration: 3 hour

Venue: Vlsi Lab

Resource Person: Ms.Antonet Reeta.J, Networking Specialist.



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. She explained the networking concepts from the basics to latest development ,the job opportunities in that field, and the courses offered by Networkz Systems for career development. She also briefed the students about IoT and embedded systems and the role of networking in that field. She explained the smart home system with the help of a video clip. After that, the Techyon '23 competitions were held for the registered students. The non-participants were involved in the slogan context on the topic Engineers/Engineers. The session was very interactive and students gained more knowledge and idea in Networking field.

HANDS ON TRAINING -CIRCUIT CRAFT

Date: 16-09-2023

Time: 3:00pm-4.15pm

Duration: 1.15 hour

Venue: E108

Resource Person: Mr.Jerwin, Robotics club member



Electros the association of ECE department organized a Hands on training on Circuit Craft for II year ECE students from 3.00pm to 4.15pm at E108 class room on 16-09-2023. The resource person was Mr.Jerwin, Robotics club member , ECE Department. The training covered Basic bread board connections resistor colour coding and PCB design. He also explained the eagle software and gerber software for PCB design. This training was more useful for the students to gain knowledge in breadboard circuit connection and PCB design.

HANDS ON TRAINING-MATLAB

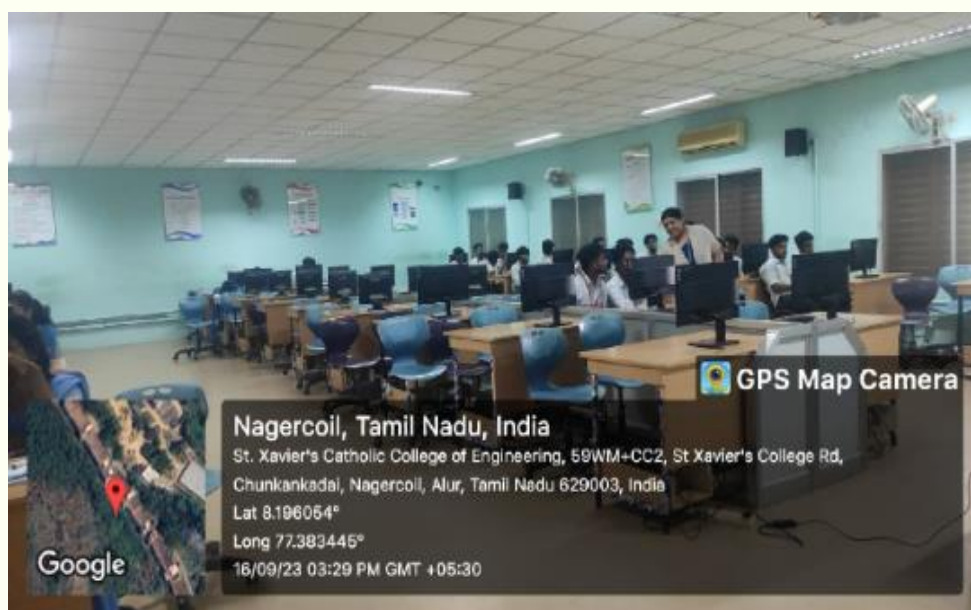
Date: 16-09-2023

Time: 3.00pm-4.15pm

Duration: 1.15 hours

Venue: VLSI Lab

Resource Person: Dr.B.C.Preethi



Electros the association 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. The training covered signal processing module which includes design of analog filters, FIR and IIR filters, signal analysis. She also explained some real time applications. This training was more useful for the students to gain knowledge in matlab programming in signal processing field. All the students were actively involved in it. At the end of the session feedback was given by a student. All the students thanked the speaker with a grateful mind.

SEMINAR ON AR/VR

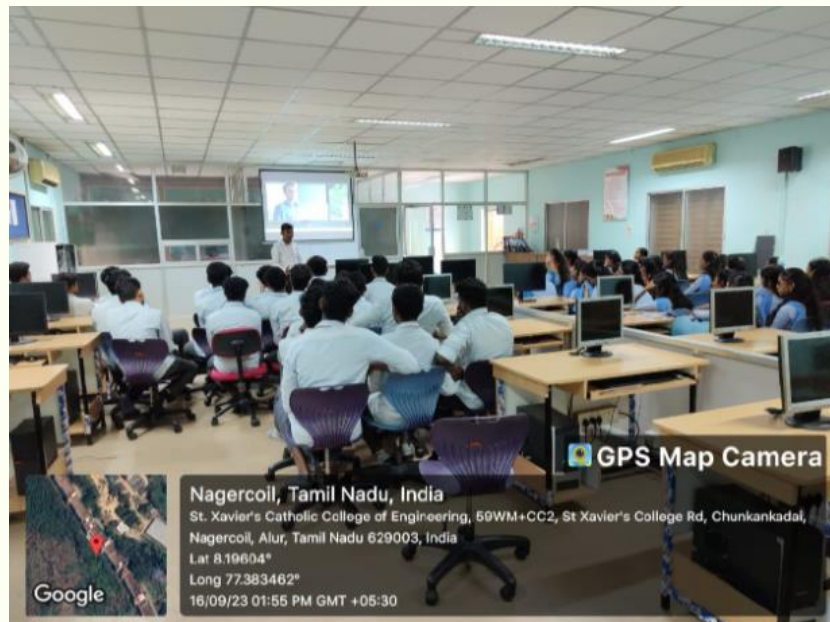
Date: 16-09-2023

Time: 1.00pm-2.45pm

Duration: 1.45 hours

Venue: Embedded Lab

Resource Person: Mr.Pradeep Sathya Kumar.B, Regional Head,Sscopik Edutech,Pvt Limited.



Electros organized a technical seminar on ‘ARVR for II,III and IV year ECE students on 16-09-2023 from 1.00 pm to 2.30 pm at VLSI lab. The resource person was Mr.Pradeep Sathya Kumar.B, Regional Head, Scopik Edutech Private Limited. Augmented Reality (AR) and Virtual Reality (VR) have emerged as transformative technologies with applications across various industries. The session was started with the question ,what’s next?’. He explained the AR & VR technology through examples and video clips. He explained the various job opportunities in AR & VR landscape. He gave many tips to tackle the interview. He conducted a small quiz. He concluded the session by explaining the ARVR certification course and its benefits. The session was very interactive and students gained more knowledge and idea in AR & VR field.

ELECTROS INAUGURATION

Date: 04-10-2023

Time: 9.30am -12.30pm

Duration: 3-hour

Venue: ROCK AUDITORIUM

Resource Person: Dr. V.P Sudeep Kumar, Assistant General Manager at BSNL



The inauguration commenced with a prayer song, and the Treasurer, Ms. S. Eme Breeza, delivered the welcome speech. Mrs. A. Anitha, the faculty advisor of the ELECTROS association, introduced the office bearers. Mr. A. Mohamed Imran, the Secretary, presented the year plan for the academic year 2023-2024. Mrs. S. Caroline, HOD/ECE, introduced the honourable chief guest. Dr. V.P Sudeep Kumar, Assistant General Manager at BSNL, delivered the chief guest address. Ms. R. Devi Krishna, an executive member, introduced the alumnus, and Mr. W.S Jeenfer, Founder and CEO of Seed2Plant India Pvt. Ltd, gave the alumnus address. The felicitation was presented by our Principal, Dr. J. Maheswaren, and the presidential address was given by our correspondent, Rev. Fr. Dr. M. Maria William. The Praslee Christus Award, sponsored by alumna Ms. P.L Praslee Christus, was awarded to the best mini projects by our correspondent. The function concluded with a vote of thanks and the College Anthem.

IDEA PRESENTATION COMPETITION

Date: 8-11-2023

Time: 9.30am-1.30pm

Duration: 3 hours

Venue: VLSI Lab

Resource Person: Er. Abhishek R., CEO Founder, Chek In Tek Hardware Academy, Attur,



Electros organized an Idea Presentation competition for II, III and IV year ECE students on 08-11-2023 from 9.30 am to 1.30 pm at VLSI lab. The resource person were Er. Abhishek R., CEO Founder, Chek In Tek Hardware Academy. Er. Abhishek R., CEO Founder, Chek In Tek Hardware Academy, Attur, Ms. Sreema. S. T, Intern-Digital Marketing, and Ms. Pratheesha. J, Director of training, CIPHER. Sixteen groups of students participated in the competition. They presented various new ideas. The completion was very useful and students enhanced their creativity and presentation skill.



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For UG Programs EEE, ECE & ME [Tier II, 2018-2019 to 2021-2022] and Validity is extended up to June 2025.

For UG Programs CE, CSE & IT [Tier II, 2021-2022 to 2023-2024]

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