

**ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING,  
CHUNKANKADAI, NAGERCOIL – 629003**

**Capacity Building and Skills Enhancement Initiatives taken by the Institution**

**Academic Year: 2022-2023**

**Value added course on SAE TREK**



SAE INDIA collegiate club of SXCCE host SAEIS Trekking in our college of two days (29-04-2023 to 30-04-2023). Nearly 27 Participants are going to participate from, different colleges. This Trek mainly focuses on to create a learning culture across Professionals through learning the various activities of SAENDIA southern sections and identifying various opportunities for continuous growth of individuals and organization etc., while enjoying the nature.

**JS Mavens Meetup #2**



ICC and REXCODERS have arranged a tech meet “JS Mavens Meeup#2” at our campus on 27<sup>th</sup> May 2023. The program was conducted at our campus in Einstein seminar hall. Around 40+ participants from various companies and colleges have attended the meeting. Mr. Sobin , CEO of Rexcoders delivered the welcome address and given the overall program schedule

and importance of this program. Mr. Faizal Khan , COE Talent Partner , Hitachi Energy gave session on “Navigating the hiring process”. The second session “The ultimate guide to finding and landing your dream job” was given by Ms. Shylla , Founder and CEO , Surging Phoenix Enterprises. Mr. Mohan Ijaz , Co-founder and CTO, Comorin Consulting Services gave a session on “Pathway to tech career”, and he specified finding the right domain in tech field and various learning process. After the tea break Ms. Midhuna Chandran, Talent Acquisition, Volvo Group India handled the session on “Self branding in Tech industry. In her session she shared the self- values, ethical values and how brand yourself in the working industry with different strategies. The last session “Engineering Future” was handled by Mr. Vignesh Annamalai, CEO, TechMaxima India Pvt Ltd. In his session he stated the future of engineering scope, new job opportunities and expected skill set among the students and employee. The program was useful to all the participated students and employees.

### **Vanna Kanavugalun vallarasu ChithiramumRecording**



On May 27, 2023, the Radio Club of St. Xavier's Catholic College of Engineering organized a broadcast show that was recorded in All India Radio, Konam. "**Vanna Kanavugalum Valarasu Chithirangalum,**" was a thought-provoking and engaging event that aimed to create a platform for meaningful conversations on a wide range of topics, Encouraging social responsibility among the participants and the audience.

The recordings of the insightful conversations were broadcasted by All India Radio, Konam, reaching audiences across Tamil Nadu on 02-07-2023 at 5.00 pm from AIR Chennai. "Vanna Kanavugalum Valarasu Chithirangalum" succeeded in conveying meaningful messages on various important topics, encouraging listeners to engage in critical thinking and contribute to a better future for the community which may lead to vallarasu.

## International Conference ICASME'23



The Departments of Civil Engineering & Humanities and Sciences organized the 4<sup>th</sup> International Conference on Advances in Sustainability of Materials and Environment. The Chief Guest was Dr. S. T. Ramesh, Professor && HOD/Civil Engineering, NIT, Trichy. The Correspondent, the Principal and the Vice-Principal gave their talks. The Conference Proceedings was released. Followed by the inauguration ceremony, there were technical sessions by Dr. S. T. Ramesh, Professor & Head of Civil Engineering Department, NIT, Trichy on "Advances in Sustainability of Materials and Environment" and by Dr. Md. Abdul Mannan, Professor, University Malaysia Sarawak, Malaysia on "Sewage Sludge - A Renewable and Sustainable Resource in Formulating Lightweight Aggregate for Precast Concrete Industry". Then, the participants made their presentations at various venues online and offline.

The second day of the conference also had two technical sessions - "Intellectual Property Rights and its Role in Technology Developments" by Dr. P. Arumugam, Founder and CEO, Mark IP Services, Indian Patent Agent, Chennai and "Circular Economy and Sustainability of Metallic Materials" by Dr. T.P. D. Rajan, Senior Principal Scientist, CSIR NIST, Pappanamcode, followed by the presentations of the participants.

### Data Analytics



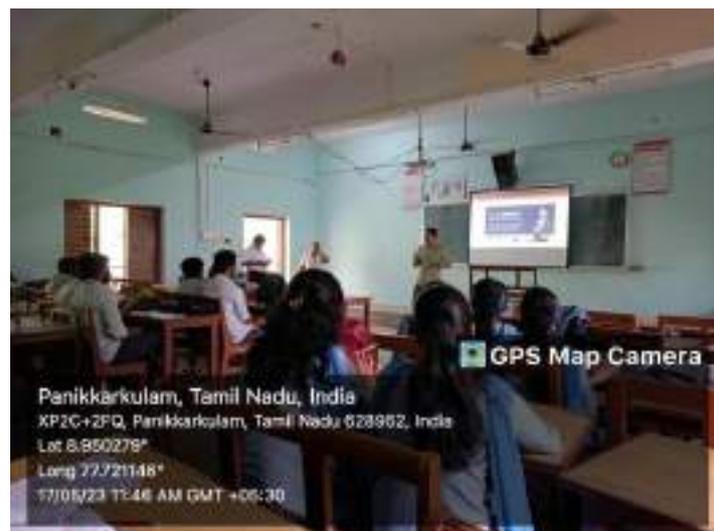
Education Society organized a workshop on “Data Analytics” on 25/05/2023. The Resource Person was Er. Abhishek R, Founder & CEO, Chek In Tek, Academy and Research. The Data Analytics Workshop was a highly informative and engaging event that aimed to provide participants with an understanding of data analytics concepts and techniques. the Data Analytics Workshop was an enriching experience for all participants. Participants gained valuable skills and knowledge that can be applied in their professional skills and academics.

### **Placement Opportunities**



The seminar on ' Placement Oppurtunities" for the final year students has been conducted on 19/5/2023 by Association of Computer Engineers. Totally 75 students are participated in this program.

### **Awareness on Higher Studies in Abroad**



A seminar on “Awareness of Higher Studies was organized by Society of Electrical Engineers (SEE). Seminar started sharply at 11. The speaker was P.Jeyakumar,Managing Director of HARVEST ABROAD STUDIES PVT LTD.

The objective of the seminar is to introduce leading education consultants in India for higher studies of students in top ranked universities in USA,UK,Canada,Australia,Europe and many more. Speaker explains the commitments of their excellence, honesty and to provide accurate, transparent and updated information to students and parents. seminar was attended by Final year Electrical and Electronics Engineering students.The program ended at 12:20 PM and feedback forms were collected from participants.

### **Real time applications of Embedded Systems**



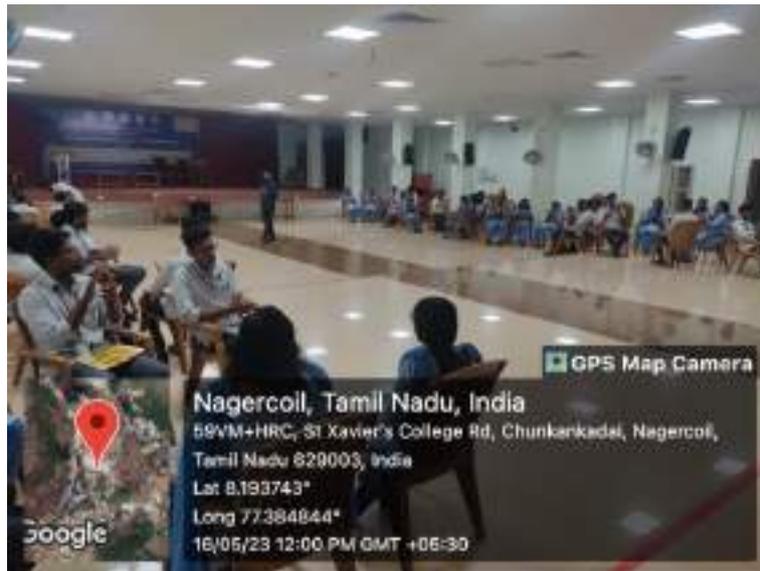
A seminar on “Real time applications of Embedded Systems February 2023 at St. Xavier’s Catholic College of Engineering. It was organized by society of Electrical Engineers (SEE).The objective of the seminar is to introduce the latest technologies used in embedded system and to build project guidance for the students. The seminar was attended by Second year, Final year Electrical and Electronics Engineering students. The seminar ended at 04:00 PM and feedback forms were collected from the participants.

### **SDG-7 Summit 2023**



SDG-7 summit was conducted as a part of IGEN ENERGATHON 2023(an Earth day indexed 16 hours conference). The event mainly focused on Sustainable development goal – 7: Affordable and clean energy. Several events such as talk for sdg7, poster presentation, and video presentation were conducted for the students to bring out the creative solutions. Around 95 students have participated and expressed their talents in the events.

## Soft Skills and Interview Skills Training



Mr. Roshan Roy, TalenTus HR solutions pvt.Itd. is the resource person for the event. He outspread his experience in training the young graduates to accomplish their dream. In this program the resource person explained the importance of communication and presentations in interactive way. He explained how to improvement skills, creativity and attitude in innovative way.

And the second day session was fully regarding the creativity and presentation skills. Also the importance of each person in team work was shown through various games and students were trained effectively to face the interview panel members boldly.

## Industrial Visit



The II year and III year EEE students were taken to Thenampatti Substation, Kayathar. 27 students from III year EEE and 39 students from II year EEE participated in the Industrial Visit accompanied by 4 faculties (Dr.J.Merry Geisa, and Dr.Jain B.Marshel ,Mrs.W.Vinil Dani and Mr.M.Abragam Siyon Sing).The team (4 Faculty and 66 Students) visited Thenampatti Substation, Kayathar by 11.00 AM followed by the visit to power Generation

Area in the same substation. The process behind the installation and implementation of power Generation were clearly explained to the team. In the visit we were also explained about the process of power Generation. Feedbacks were collected from students

### **Drug Awareness Programme**



The seminar was given to both boys and girl students of II, III and IV year students of our College. The resource person gave a detailed description on various organs getting affected in our body if it is consumed. He also explained about what are the various situations at which people become addicted to drugs. The session was more interactive. Finally, a person who recovered from addiction shared his bad experiences he faced when he was in addiction.

### **Career Guidance**



An awareness program on career guidance was conducted for IV-year mechanical engineering students on 13/05/2023 by Mr. Raja, Harvest, Abroad studies Pvt Ltd. The main goal of the program is to create awareness on abroad studies and its benefits. They are as a team of well qualified and experienced professionals, Harvest, Abroad studies Pvt Ltd. intends to offer admission services for students aspiring to study in USA, Canada, Germany, UK, Australia, New Zealand, Singapore, Malaysia, Switzerland, Dubai, Ireland, Italy, Sweden, Denmark, France and Spain. Though it is a career guidance program, the

students enjoyed it and actively participated to it and learnt many things regarding study abroad. In a total of 86 students participated interestingly.

### **Seminar on PEACEFUL USE OF NUCLEAR ENERGY**



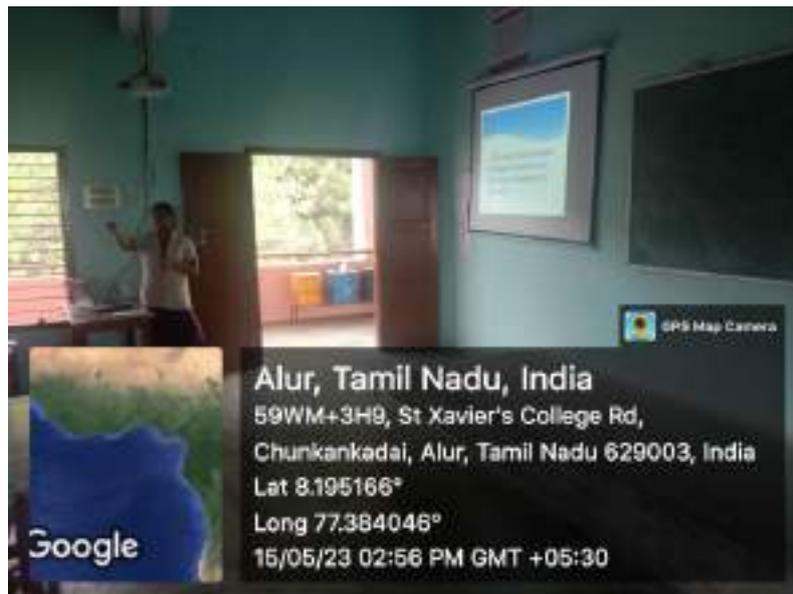
Celebrating the 25<sup>th</sup> year of Pokhran II, a seminar on constructive use of nuclear energy was arranged to our cadets on 13-05-2023 at Einstein Hall, SXCCE. Dr N Sheen Kumar, Assistant Professor, Department of Physics, SXCCE, was the resource person. He delivered the lecture on 'Peaceful use of nuclear energy'. He started with the history of Pokhran II testing, explained the process of creating nuclear energy and its constructive uses. Fifty eight cadets participated in the program. Arrangements were done by the cadets of our college.

### **SPSS Training**



SPSS Program on Research methodology and data analysis Part I and Part II was conducted on 12 th and 13 th of May 2023. The Program was handled by Mr.S.Victor ,Asst. Professor and Head Department of Management studies, Regional Campus, Anna University, Tirunelveli Region. He conducted a training of statistical Analysis and interpretation with the help of SPSS Package. This training was beneficiary for students to gain knowledge and complete their final semester project work by applying SPSS tools with the understanding of both Parametric and Non Parametric Statistical Analysis.

## Quiz Competition-Testing of Hypothesis



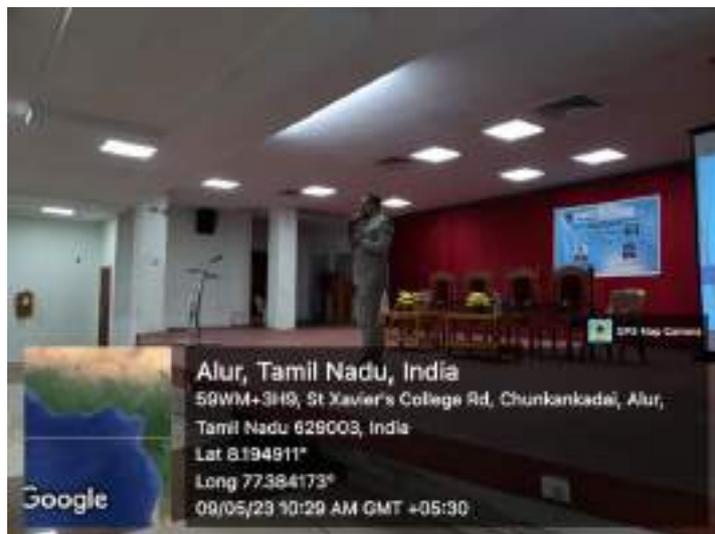
The main objective of this competition was to develop student's Math skills and knowledge in Engineering field. The quiz competition was conducted by Mathematics faculty members. They conducted the quiz in an interesting and motivating way. Students participated in a good manner. It helps the students to recall the basic ideas of Testing of hypothesis. One class for each major is allotted for this quiz competition. The first three places were selected and prizes were given to each class. This competition was organized by the faculty advisor of Math Club.

## Future Technologies in Electric Vehicles



The objective of the seminar is to introduce the Importance of E V and their future technologies. The speaker was Er.R L GeofferJaish,Senior Test Specialist ,E-Mobility,Siemens,Bangalore. He explained the future technologies in Electric Vehicle. Addressing this issue and reducing the industry's impact on climate, Speaker explains the significance of renewable, and cost-effective energy.

## Seminar on importance of English



The Department of English organized a one day National Seminar on “English Language Learning for Engineers” on 9th May at the Conference hall. The main objective of the seminar is to make the students to know the importance of English language.

The first session starts by 10 am with the presentation of Dr.Pradeep. He explained the importance of English and English proficiency for Engineering students. He gave an eye opening session for the students. The second session starts at 11.15 am with the Resource person , Dr.Tibi Thomas , AP/NMCC, Marthandam. Finally the session came to an end by 12.30 pm.

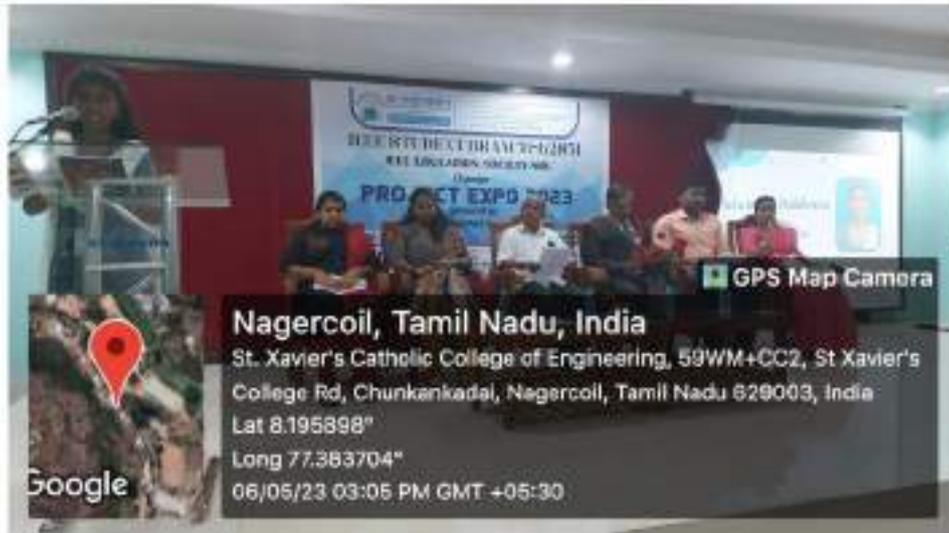
## Industrial Visit



Three classes,(ECE A, ECE B, and IT)from first year underwent an industrial visit to UST Global , Trivandrum on 8/5/2023. Around 183 students along with 9 Faculty members went for the IV. The trip started at 7am from the college premises. By 10.20 am the crew reported the campus of UST. The incharge of the concern trip , Mr. Monish assisted the students in a good manner. At first they have given a session on the overview of UST Global and then about the recruitment process of UST. Mr.Sthanu, the senior expert of UST handled the session in a great manner. After the session the students were splitted into teams and the

representatives took the students to a campus tour. The students enjoyed the tour and learned many things about UST. By 5.30 pm we reached the campus.

### **Project Expo 2023**



On May 6, 2023, the IEEE Education Society Student Branch Chapter of St. Xavier's Catholic College of Engineering organized an expedition "Project Expo 2k23," sponsored by the IEEE Photonics Society. The primary objective of this event was to provide a platform for aspiring engineers to enhance their professional abilities and demonstrate their technical skills. This year's theme was "The Future of Socially Responsible Innovation." Engineering students from reputed institutions across Tamil Nadu submitted abstracts, and 10 hardware teams and 14 software teams were shortlisted. Nine teams participated in the event, showcasing their projects and technical expertise.

### **Industrial Visit**



The 4th year EEE students were taken to National Institute of Wind Energy, Kayathar. 29 students (Out of 35 in III EEE) participated in the Industrial Visit accompanied by 3 faculties (Prof.Suji Garland.P, Prof.George Ansfer.A and Prof.Leon Bosco Raj.L ).The team (3 Faculty and 29 Students) visited National Institute of Wind Energy, Kayathar by 11.00 AM followed by visit to Solar Panel in the same institute. The process behind the installation and implementation of windmill were clearly explained to the team. In the visit we were also

explained about the solar panel. After the visit, the team returned to District Science Centre, Tirunelveli. In the science centre we saw simple experiments relating various science topics.

### AI and Machine Learning



A seminar on “AI and Machine Learning” was held on 4th of May 2023 at St. Xavier’s Catholic College of Engineering. It was organized by Society of Electrical Engineers (SEE). The seminar started at 10:45 AM. The speaker was Er.G.Gino, Marketing Executive, EMAX Education, Nagercoil. The objective of the seminar is to introduce the how Robotics and AI are at the forefront of technology, offering an exciting and innovative work environment of Electrical and Electronics Engineering. Speaker explains the significant application of AI in electrical engineering like Control of power system such as Voltage control, stability control, power flow control, and load frequency control. The seminar was attended by Third year, Final year Electrical and Electronics Engineering students. The seminar ended at 12:00 noon and feedback forms were collected from the participants.

### Model Expo



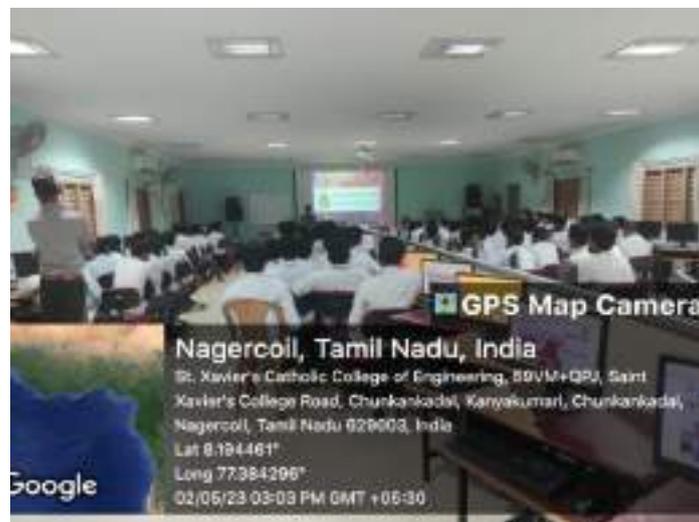
The Model Expo "VIBRANT'23" was organized by the Department of Civil Engineering. The programme commenced by 10:00 am. The final year Civil Engineering students participated in groups. Each group presented their construction models. Dr. M. Marsaline Beno, Dean - Research and Dr. M. Antony Forster Raj, Assistant Professor, Department of Mechanical Engineering, acted as judges. The best models were awarded prizes. The Expo was a great motivation for the II and III year students.

## Seminar on Women Empowerment (session 2)



SXCCE ACM-W Student Chapter (190059) organised a seminar on the topic "Women Empowerment" (session-2) on May 2, 2023. This programme was arranged in online mode as per the request of the resource person and the ACM-W student members. Haritha H. K. (Treasurer, ACM-W) formally welcomed the gathering and introduced the resource person, Dr. M. Amalavathy. The resource person took over the session. The resource person shared about how valuable women are, and she highlighted the necessity of believing in yourself and exploring the world, keeping in mind that there are no boundaries for women. She also insisted that we understand ourselves and be independent.

## Orientation programme



An orientation of about Computer Education Courses was conducted for III-year mechanical engineering students on 02/05/2023 by Mr. Siva, E-Max Industrial training institutes, E-Max (Education Maximum) Computer Education, Vocational Education Organization for Computer and Technical Education is an ISO 9001:2015 Certified Organization/Body. It is an Autonomous Skill Development, Computer Education/Vocational Education Board Registered under The SR Act, Register Under NITI Aayog, Government of India & E-Max Education Recognized by Govt. of India (MCA, IPI). The E-Max Education (e- max India,

E-Max Computer) aims to expose each student to quality instruction in computers and Students learn basic computer applications, NTT Course, Vocational Course as well as 1100+ Courses + E-Max Skill Development Course. Though it is an educational program the students enjoyed it and actively participated to it and learnt many things. In a total of 76 students participated in this program.

### **International Conference**



The International Conference on Energy Efficient Technologies for Sustainability (ICEETS'23) Started with inaugural function on 27\* April 2023 at 10.00 AM in the morning. This is followed by key note speech by Er.Er. R. Alaguvel Armstrong Head Engine Group, TAFE in the forenoon session and online keynote address by Er. Elie Rouadi Project Manager, Metrix Qatar WLL, Doha, Qatar in the afternoon session. On the second day of conference, 28\* April 2023, Prof. F. Antony Jeffrey Vaz Electrical & Electronics Engineering Department, National Engineering College, Kovilpatti delivered a key note address followed by online key note address by Dr. Arun B Alosious Electronics and Electrical Engineering Department, IIT Guwahati. Participants make the conference more fruitful.

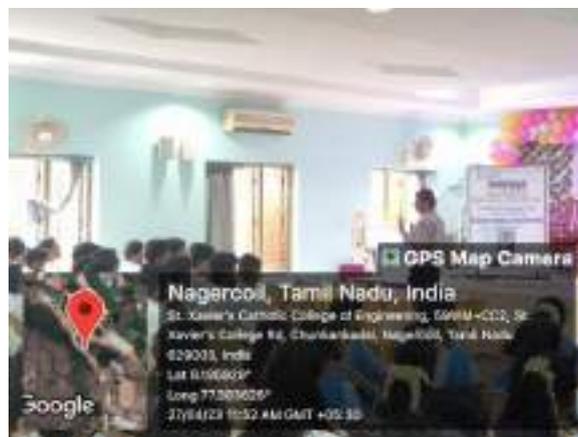
### **DEV MEET HACKATHAN**



The National Cyber Safety and Security Standards organised a hackathon for the duration of April 20–28, 2023. On April 20, 2023, the Hackathan online session started. They introduced themselves as a community of developers who come together to share knowledge and

collaborate on projects. On April 21 to April 27, 2023, online tasks have been scheduled for all registered students, including, Build your own portfolio, Build a video application using AgoraJS, Create a Github repository to submit their projects, etc. On April 25, 2023, the speaker, Mr. Jeyaraman K, delivered a lecture on "The State of Cybersecurity: Threats and Trends in 2023." On April 26, 2023, between 7:00 p.m. and 8:00 p.m., Mr. Surya delivered the lecture. He delivered a lecture on "Crafting Your Professional Story: A Resume Building Session." On April 27, 2023, between 7:00 p.m. and 8:00 p.m., the speaker, Mr. Raajesh C., guided students in "Protecting yourself online: Understanding the Dark Web and Phishing Attacks." , On April 28, 2023, a valedictory function was held at 10:00 a.m. with an opening ceremony, 10:30 a.m., Building interactive video apps with AgoraJS, 11:00 a.m., A comprehensive guide to building on the polygon network, 11:30 a.m., Announce the winner, am Close the ceremony with swag. All the winners are honoured with prizes. We received a good response from the audience, and they also gave very good feedback.

### **Workshop on Electric vehicle prototyping**



The session went well, resource person has share his taught to the students more than that he teach student how to approach, how to design and select the design or material while making a electric vehicle in the end he share the video of diving a electric vehicle driven by him, which inspires and motivate the students in that area. And QA session also went well. Overall the program will ignite the student in a positive way.

### **Seminar about recent advanced technologies**



A seminar on Advanced Automation with Recent Technologies was conducted on April 27th, 2023 from 2.30pm to 4.15pm at Einstein Seminar Hall /SXCCE. The resource person was Ms.K.Baby Lisa /Asst.Prof/Dept.of ECE/SXCCE. The resource person Ms.K.Baby Lisa gave a seminar on the topic “Advanced Automation with Recent Technologies”. She explained the recent technologies like IoT, Block Chain, Robotics and Machine Learning. In this event, 30 students of various departments were participated.

### **Seminar: E-WASTE awareness program to community**



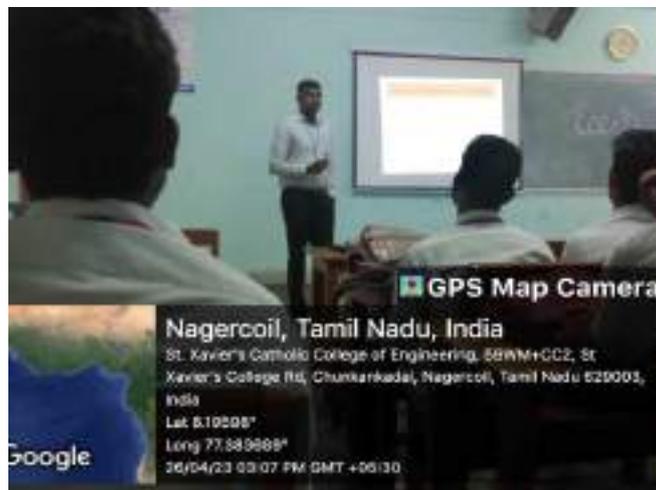
The awareness programme was organised by the ACM-W student chapter SXCCE-190059, the SXCCE ACM student chapter (124771), and co-organised by the ECO club. Awareness was given to the community health workers of Vellichandai Gramme Panchayat. The awareness programme was conducted in four sections. The introduction part based on electronic waste was handled by Ms. Abisha, Ms. Fathima (an ACM-W student member), and Vinisha (an ECO club member). The steps used to dispose of e-waste and their drawbacks were explained by Ms. Brianna Christopher, Ms. Anu, and Ms. Angelin Bretty (an ACM-W student member). The preventive measures and the proper disposal method were explained by Angelin Gracia, Chelsea Shalin (an ACM student member), and Soniya (an ECO club member). We conducted two games for the social workers as entertainment, which were organised and conducted by Akhila Babu, Ashika S., Dhanuja R. (an ACM-W student member), and Sherin (an ECO club member). At the end of the session, memorable saplings were gifted to all the workers.

## International Conference ICEETS 23



The International Conference on Energy Efficient Technologies for Sustainability (ICEETS'23) was organized by the Department of Electrical and Electronics Engineering and the Department of Mechanical Engineering in association with SXCCE G9 EnSav club and IET KKLN. The grand event started with inaugural function on 27th April 2023 at 10.00 AM in the morning. This is followed by key note speech by Er. R. Alaguvel Armstrong Head Engine Group, TAFE in the forenoon session and online keynote address by Er. Elie Rouadi, Project Manager, Metrix Qatar WLL, Doha, Qatar in the afternoon session. On the second day of conference, 28th April 2023, Prof. F. Antony Jeffrey Vaz. Electrical & Electronics Engineering Department, National Engineering College, Kovilpatti delivered a key note address followed by online key note address by Dr. Arun B Alosious, Electronics and Electrical Engineering Department, IIT Guwahati. Participants make the conference more fruitful.

## Seminar about Cloud Computing



A seminar on Cloud Computing was conducted on April 26th, 2023(Wednesday) from 2.30pm to 4.15pm at LH 203. The resource person was Mr.J.Bright Jose /Asst.Prof/ Dept.of CSE.The resource person Mr.J.Bright Jose explained the basic concepts and details about Cloud Computing through presentation. Finally, Ms. Vinisha V of final ECE delivered the vote of thanks. In this event, 26 students of final ECEwere participated

### **World Book Day Celebration**



The World Book Day event was held on 26th of April 2023. Ms.Anna Roshini (II Year IT) was given the talk about World Book Day. The Book Talk was given by the student members.Our Librarian Dr.M.Vijayakumar appreciated the students who have participated in this event and also gave motivational speech. The book talk event ended with the vote of thanks.

### **Workshop on Internet of Things**



Department of Electronics and Communication Engineering at St. Xavier’s Catholic College of Engineering, IETE Students Forum (ISF) organized a workshop on “Internet of things using Tinker cad” 25th April 2023. Tinker cad is a free, browser-based design program for teaching and learning 3D modeling, electronic circuitry, and basic coding. In recent years IoT placed a major role in day-to-day life. The programme started at 9.00 am with the welcome

address by ISF Co-ordinator Dr.L.Femila. The felicitation was given by Dr. M.Marsaline Beno, Dean Research. Dr. S. Arumuga Perumal, PAC- Chairman, IETE Nagercoil was given a technical talk about recent technologies. Workshop conducted by Er. K.Vivekananth, IoT Engineer, Riyassa Lab, Nagercoil and took place in two sections. In first section explained about introduction and implementation of Tinkercad in IoT. In the second session demonstrated about IoT application in Agriculture and prototype development.

### **Technical Seminar and Motivational Talk**



A seminar "Global Warming and Acid Rain" in the forenoon session and a Motivational Talk on "Career for Civil Engineers in Government and Private Sectors" in the afternoon session were organized by the REACH association. The programme commenced by 10:00 am with a Prayer song by the department choir. The Welcome Address was given by Dr. P. Antony Vimal, Assistant Professor.

Dr. J. Maheswaran, the Principal, gave the Felicitation. The resource person was introduced by the Head of the Department, Dr. I. Jessy Mol. The session was addressed by Dr. R. Bala Murugan.

The session initiated with the details of Global warming. The various factors leading to global warming and the ways of reducing it and acid rains were discussed. The session went on interesting and interactive. In the afternoon session, the resource person briefed about the career opportunities for civil engineers in government and private sectors. The session ended with the Vote of Thanks by Ms. D Smiline Shiny, Assistant Professor.

## Career Options



An awareness program on career options program was conducted for III-year mechanical engineering students on 25/04/2023 by Mr. Vasanth Raj, ECC Academy. ECC Academy, a leading Coaching centre in Nagercoil offers coaching for all bank exams like SBI, IBPS-CWE, RBI, TMB, SOUTH INDIAN BANK, REPCO etc. by the experts. They provide new content on a daily basis, keep you posted with all that you need to know for Banking, SSC and other related exams. Though it is a career guidance class the students enjoyed it and actively participated to it and learnt many things regarding study abroad. This program was conducted through our department technical association, MEGX. In a total of 75 students participated interestingly.

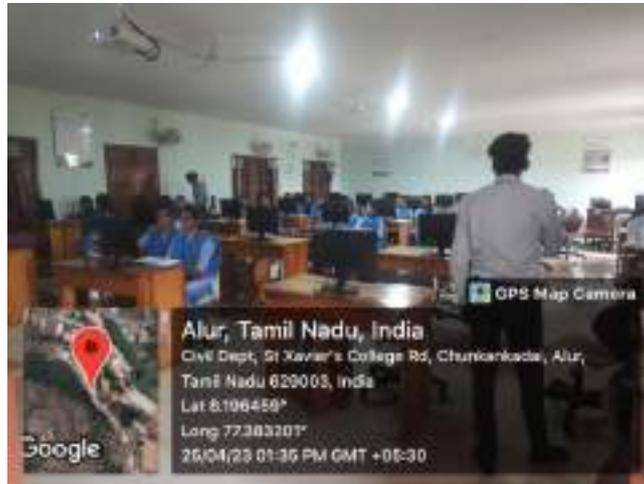
## Seminar on leadership quality



A seminar on Leadership and Personality Development was conducted on April 25th, 2023(Tuesday) from 1pm to 2.30pm at EEE Seminar Hall /SXCCE. The resource person was Dr.V.Viji Mon Mani/Asst.Prof/Dept.of Mathematics/SXCCE. Ms.Anu Nandhini M A of final ECE gave the welcome address and introduced the resource person. The resource person Dr.V.Viji Mon Mani gave a presentation on Leadership and Personality Development. He

explained with the help of videos, stories and real time incidents. Finally, Ms. Paulin Shefia C P of final ECE delivered the vote of thanks. In this event, 76 students of various departments were participated.

### **Hands-on training on web app & web page (session -3)**



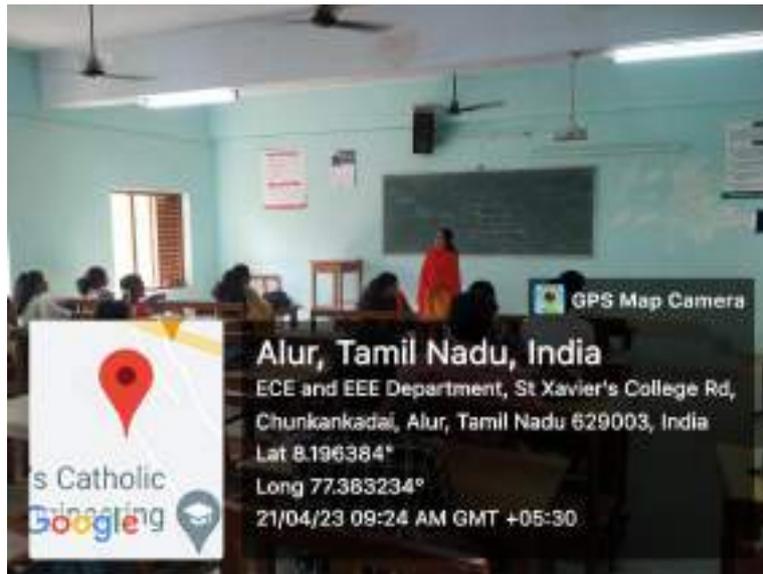
SXCCE ACM-W Student Chapter (190059) and SXCCE ACM Student Chapter (124771) organised a hands-on training in HTML/CSS 3 in web page and web app development on April 25, 2023. Ms. Rishitha S. S. (ACM, Student Member) formally welcomed the gathering. The resource person explains how the foundational knowledge of HTML and CSS will help us take to our web development skills to the next level. The programme is delivered both in blended learning and self-paced mode and helped us to stand out in tech-driven fields like design, marketing, product development, and more. HTML and CSS are ways by which we can create awesome-looking websites on our own. Both HTML and CSS go hand-in-hand in building or developing a web page for any website, but both of them serve very different and unique purposes. The best performer of the day is awarded to Cannin F. Benifa, (PreFinal IT). After the completion of the seminar, a vote of thanks was delivered by Ms. Abinisha (ACM-W, Student Member).

### **Workshop on Top Techniques for Better Entrepreneur**



The objective of the workshop is to give an insight in building entrepreneurship skills in students. The Seminar titled “Top Techniques For Better Entrepreneurship” was held on 22/04/2023 at 9.00 AM in the Einstein Hall. One hundred and one students attended the seminar along with the staff members. The seminar began with a silent prayer, and the Principal Dr. J. Maheshwaran delivered the welcome address. The Chief Guest Mr. K.E. Raghunathan addressed the techniques for successful entrepreneurship. The seminar ended at 10.30 AM with vote of thanks by the correspondent Rev. Fr. Dr. M. Maria William. Participants attendance and feedback about the seminar were made properly.

### **How to crack Government exams?**



A seminar "How to crack Government exams?" was organized by the REACH association for the IVyear students. The speakers were the alumni of the department. Dr. I. Jessy Mol, HOD/Civil, introduced the speakers. The speakers motivated the students by sharing their experience regarding the preparation for government exams and how they cleared the exams. The speakers gave information about the various job opportunities in government sectors. They shared many tips and tricks to clear government exams. The session went on interesting and interactive.

## A seminar on Over Voltages in Power Grid



A seminar on “Over Voltages in Power Grid” was held on 21th of April 2023 at St. Xavier’s Catholic College of Engineering. It was organized by Society of Electrical Engineers (SEE). The speaker was Dr.P.Valsalal, Professor Department of Electrical and Electronics Engineering. Her area of research was power system. She has 24 years of experience in teaching. The objective of the seminar is to introduce the causes, types and latest technologies for the reduction of overvoltage in the power grid. Speaker explains the significance of overvoltage in the power system, its effects and how to regulate the overvoltage for the reliability of electrical power system.

## INNOVATE IDEA PRESENTATION



The program titled “INNOVATE IDEA PRESENTATION” was held on 20/04/2023 at 1.00 PM in the Conference hall. Around 128 students registered and Nine students contested in the competition. Theme of this competition is based on Sustainable Development Goals (SDG).Ms. ASHMIKA P won the first price and SHANJAI J SHARON won the second prize. Participants attendance and SDG number, Idea Title were registered properly.

## Seminar students to reach their goal



A Seminar on “Engineering Physics with life applications” was conducted on 19<sup>th</sup> April at the Conference hall for the first year students. Mr.J.Chittanandha, a senior Physics teacher was the Resource person. The program started at 10 am with the prayer song. Dr.Amal J Eronimus, AP/Placement and Training cell proposed the welcome address. Dr.Vidhya J P, AP/ English, introduced the chief guest. The chief guest motivated the students through his inspiring words. Students had an interactive session with the resource person. The session came to an end at 12.15 pm.

## ROZGAR MELA Awareness for young engineers



Association of Computer Engineers organized an Awareness program on "ROZGAR MELA" on 18/04/2023 at einstein seminar hall for 3rd and IV year CSE students . In this progarm,tottaly ,200 students are participated and benifited . it was handeled by Mr.Vijayan , Senior English Faculty -ECC Academy and T.Anandha Boopathy /MD-ECC Academy.

## Seminar on women Empowerment (session 1)



SXCCE ACM-W Student Chapter (190059) organised a seminar on the topic "Women Empowerment" on April 18, 2023. Ms. Lydia Nefla (ACM-W, Student Member) formally welcomed the gathering, and Ms. Abisha (ACM-W, Student Member) introduced the resource person, Prof. Dr. Dame. M. Amalavathy, PhD (TM), Ph.D. (Holistic), Diploma (Anaesthesia), PhD (HuE & SY). The resource person took over the session, and she shared about the importance of women, who are the next creators of this world. She shared the importance of nature, body health, and how to avoid stress in this mechanical life. She's such a knowledgeable person, and she was an inspiration to budding engineering girls. Our ACM-W students felt that their suggestions and queries were clarified and that they were free to ask their questions. The session was very interesting, i.e., the 3-hour, 15-minute session didn't get boring because it's an interactive session. Students felt they needed one more session from the same resource person. After the completion of the seminar, a vote of thanks was delivered by Ms. Abinisha (ACM-W, Student Member).

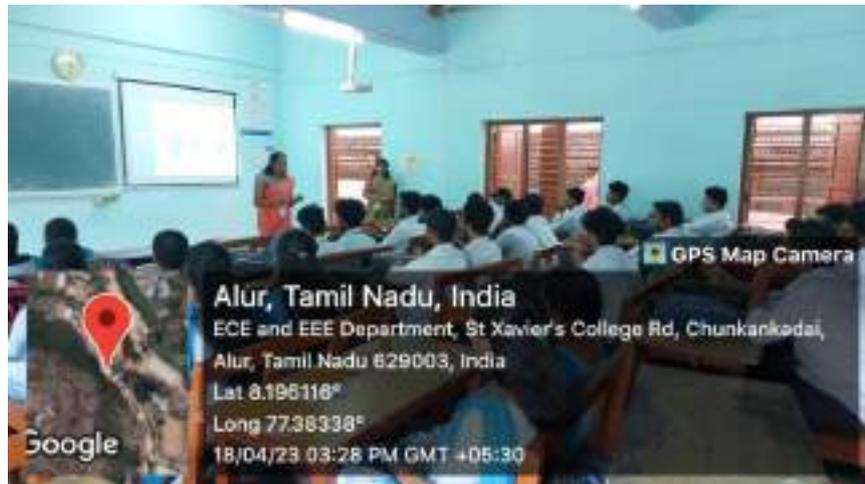
## Extempore



"Talent, you have naturally. Skill is developed by hours and hours of beating on your craft" by Will Smith. To showcase the skills of our IEEE members, an extempore was organized on 18/04/2023. The event was organized by Gerald Briyolan, Treasurer IEEE. Around 20

members participated in this event. The event started at 2:45 p.m. The Code of Ethics was read by Byju, IEEE Executive Member. Raksha, IEEE Executive Member delivered the welcome address. The intro of the event was given by Collins David IEEE WIE Treasurer. The competition was conducted between 5 teams on different topics. All the members have participated in this event with great interest. This event helps to showcase the speaking skills of the members. The members who participated in this event were rewarded.

### **Technical Talk to empower the students**



The Technical Talk includes the Advanced Automation with Recent Technologies like IOT,BCI,AI RPA and the Last two technologies Artificial Intelligence and Robotics process automation were explained with real examples. The different RPA tools were explained for the students to motivate them for robo design.

### **Industrial Visit VOC Port Trust**



Department of Management studies of St. Xavier's Catholic College Engineering,Chunkankadai had organized an Industrial Visit to V.O.Chidambaranar Port Authority, Thoothukudi on 13.04.2023. The visit was organized with the objective of giving us an insight into the supply chain and logistics processes of the port and to make us aware about the connection between the theory and its practical application.The main objective of the industrial visit is to give us an insight into the supply chain and logistics processes of the

port and to make us aware about the connection between the theory and its practical application.

### **Symposium**



The department of Computer Applications have arranged a national level technical symposium "SCAPE2K23" on 12th April 2023. The inauguration function starts at 9.30 am. Chief guest of the function motivated the students to upgrade their knowledge to develop innovative products. He has explained about satellite, smart robot and smart car development. Ms. K. S. Meena Kumari, Secretary-XACA delivered welcome address, Dr. J. Maheswaran, Principal, SXCCE gave keynote address, Dr. M. M. Janeela Theresa, HoD, MCA, SXCCE, introduced the chief guest and Mr. P. Prem Kumar, Joint Secretary-XACA gave vote of thanks.

### **Seminar on DevSecOps**



On April 11, 2023, between 2:30 p.m. and 04:15 p.m., the Computer Society of India conducted a seminar on "DevSecOps." Mr.C.John Justus, Senior Manager IT, Standard Chartered, Hongkong, delivered the lecture. He guided the students in understanding different preprocessing steps under DevSecOps including thread modeling, change impact analysis, Access and configuration management, chaos engineering, pen testing, log collection, RASP, etc... We received a good response from the audience, and they also gave very good feedback. The resource person thanked the organizers for arranging the live training.

## Technical Talk



The Technical Talk includes the Advanced Automation with Recent Technologies like IOT,BCI,AI RPA and the first two technologies Internet of Things and Brain computer Interface and the need of clouds were explained with real examples. The importance of automation in real life is also explained for the students to motivate them for robo design.

## Seminar



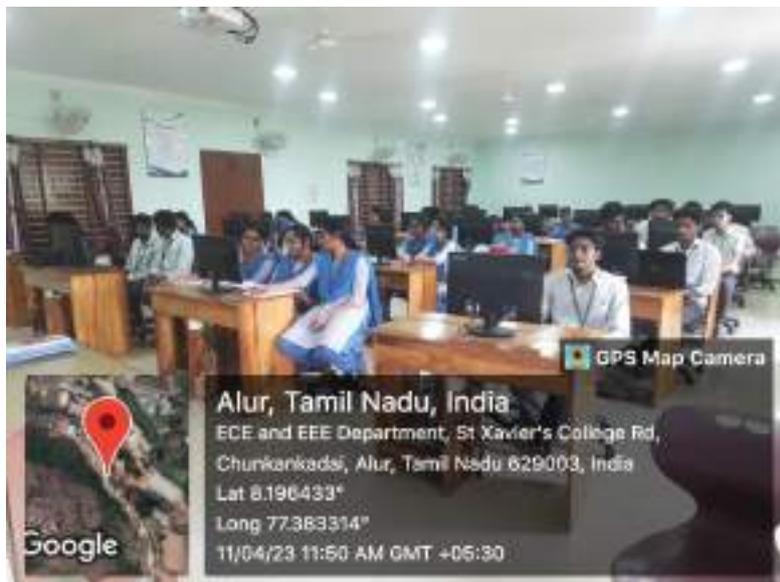
A seminar on Career Guidance was conducted on April 11th, 2023(Monday) from 1pm to 4.15pm at EEE Seminar Hall /SXCCE. The resource person was Mr.A.Rajesh/Techeditz2u. Ms.Ancilin Princy A of third ECE gave the welcome address and introduced the resource person. The resource person Mr.A.Rajesh gave a presentation Competitive exams which was conducted by Central and State governments. He gave some shortcuts to solve the problems also he worked out few problems. Finally, Ms. Sakthi Priya E K of final ECE delivered the vote of thanks. In this event, 81 students of various departments were participated.

## Seminar on DevSecOps



On April 11, 2023, between 2:30 p.m. and 04:15 p.m., the Computer Society of India conducted a seminar on " DevSecOps." Mr.C.John Justus, Senior Manager IT, Standard Chartered, Hongkong, delivered the lecture. He guided the students in understanding different preprocessing steps under DevSecOps including thread modeling, change impact analysis, Access and configuration management, chaos engineering, pen testing, log collection, RASP, etc... We received a good response from the audience, and they also gave very good feedback. The resource person thanked the organizers for arranging the live training.

## Hands-on training on web app&web page (session -2)



SXCCE ACM-W Student Chapter (190059) and SXCCE ACM Student Chapter (124771) organised a hands-on training based on UI/UX in web page and web app development on April 11, 2023. Ms. Lydia Nefla (ACM-W, Student Member) formally welcomed the gathering. The resource person took over the session and started to explain about UX and UI and how they go hand in hand. Also how both are essential for the product's success and how

it involves elements of research, testing, business analysis, project management, and various psychology. UI/UX training. The UI/UX Design Specialisation brings a design-centric approach to user interface and user experience design and offers practical, skill-based instruction centred around a visual communications perspective rather than one focused on marketing or programming alone. The best performer of the day is awarded to Fathima Sapna and Abinisha (pre-final ECE). After the completion of the hands-on training, a vote of thanks was delivered by Ms. Abinisha (ACM-W, Student Member).

## **CYBER LAWS AND POCSO ACT**



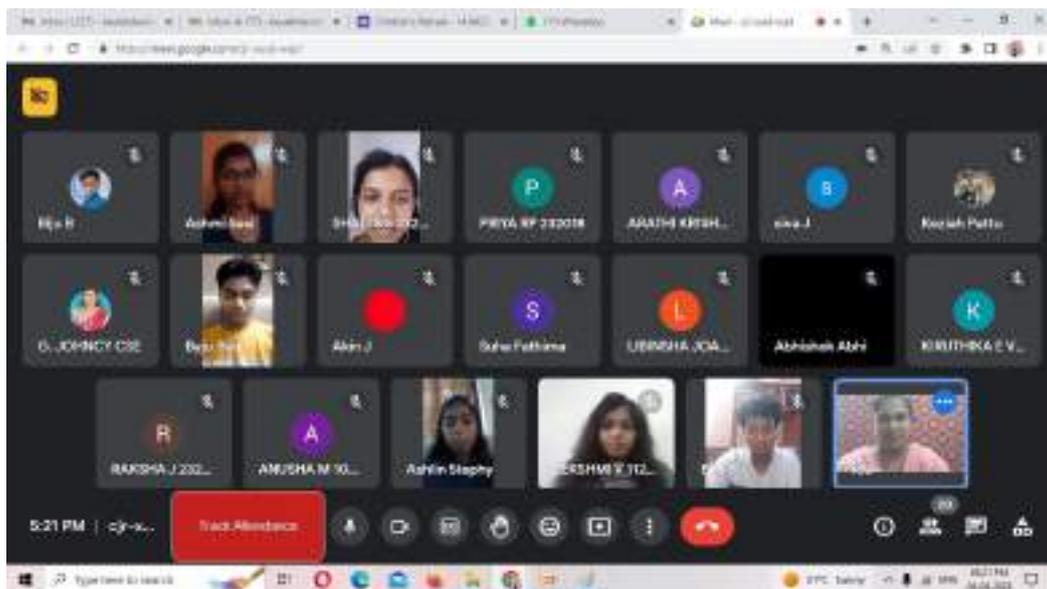
The Association of Computer Engineers (ACE) organized a seminar on "CYBER LAWS AND POCSO ACT" for second year , Third year and Final year CSE Students on 11/04/2023 at Einstein Seminar Hall from 1:00 PM to 4:15 PM. Tottaly , 194 students participated . It was handled by RTN.Adv.A.ANTUSH JEROME, ROTARY dISTRICT COORDINATOR LEGAL AID ,RC WITHB HONEY CITY.

## **HACKING**



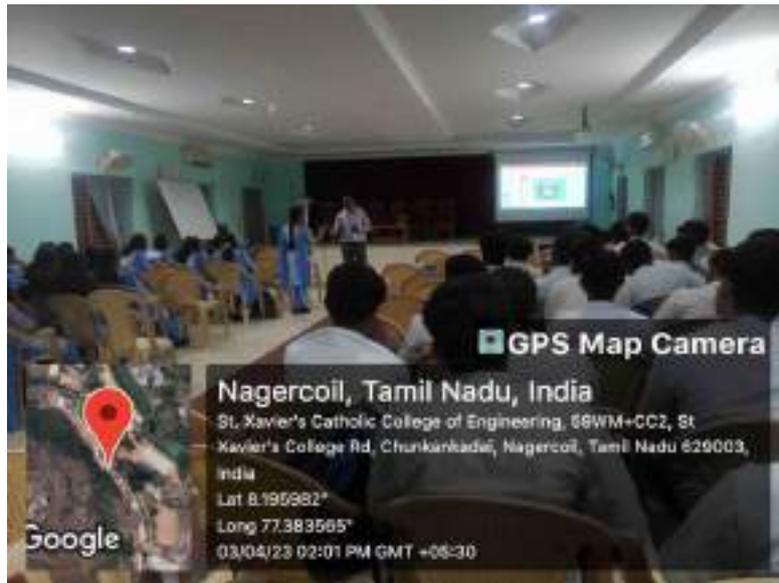
The Association of Computer Engineers (ACE) organized a seminar on "HACKING" for second year, Third year and Final year CSE Students on 11/04/2023 at Einstein Seminar Hall from 1:00 PM to 4:15 PM. Tottaly, 194 students participated. It was handled by Er.Febin Rameh Kanakam, Software Engineer. MNC -Chennai

### **Challenges and Opportunities for Entrepreneurship**



On April 04, 2023, IEEE Education Society hosted an online webinar titled "Challenges and Opportunities for Entrepreneurship" as part of their ongoing efforts to promote innovation and entrepreneurship in the field of education. The webinar was conducted by a resource person Dr.D.Beula David, Professor, Department of data analytics, Innovation Ambassador, Saveetha School of Engineering, Chennai. Further the webinar featured our staff members including Dr. A.Darwin Jose Raju, IEEE Student Branch Co-ordinator, Mrs. G Jhony Faculty advisor IEEE EduSoc SBC, Dr.M. Germin Nisha faculty advisor IEEE WIE Affinity Group SBC, Mr. S. Selvin Pradeep Kumar IEEE student branch counsellor have shared their insights on the challenges and opportunities that entrepreneurs face in today's dynamic business landscape

## Seminar on Employability Skills



STE Student Chapter/SXCCE conducted a seminar on “General Goals and Responsibilities of Technical Education” on April 3rd, 2023(Monday) from 1pm to 2.30pm at EEE Seminar Hall /SXCCE. The resource person was Mr.T.Michel Raj/Asst.Prof/Dept.of Mechanical Engineering/SXCCE.

Ms.Ayswarya M of third ECE gave the welcome address and introduced the resource person. The resource person Mr.T.Michel Raj gave a wonderful presentation on the topic “General Goals and Responsibilities of Technical Education”. He explained the concept with examples, stories and current events. It was really an interactive session. Finally, Ms. Abinaya J R of third ECE delivered the vote of thanks. In this event, 78 students of various departments were participated.

## NSS One day camp and Tree Plantation Drive



Xibita 7.1

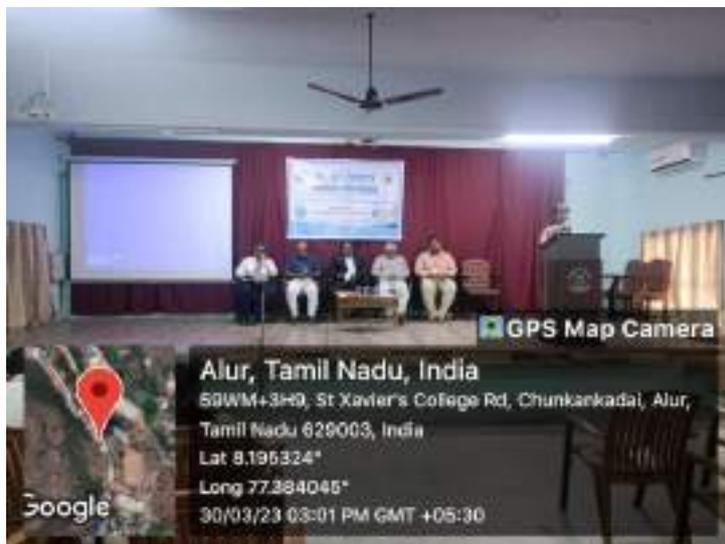


The event has started around 11.15 a.m. in three different venues. The Corporate Mime Event finals were conducted in Conference Hall, Debate prelims was conducted in MCA Class rooms and finals conducted in conference hall and Business Quiz prelim conducted in MBA Lab and finals conducted in MBA Classroom. In the afternoon Finals of AD Zap were conducted in main venue – conference hall. Valedictory and prize distribution session started at 3:00 PM.

**seminar to create awareness related to save water**



**seminar on accelerating change**



A seminar was organized for the students of Civil Department on behalf of the FACEAT&P association in association with IEI EEE Student chapter on 24.02.2023(Friday), on the topic “SAVE EARTH”. During the session 105 students and 15 staffs were present and are benefitted. The introduction was given by Mrs. Sheila Balanta, Assistant HOD, Department of Civil Engineering; the program was conducted by an accredited ENGINEER, Mr. P.SAGAYA AROKIA RAJ. He gave an Introduction about importance of saving earth and the repercussion of pollution.

Later, he provided detailed information about harmful effects of not disposing waste properly. Finally, he explained about the approach we can take to save the earth and future generation. His explanation about saving the earth was informative and the session was interesting.

### **Road safety and Traffic awareness**



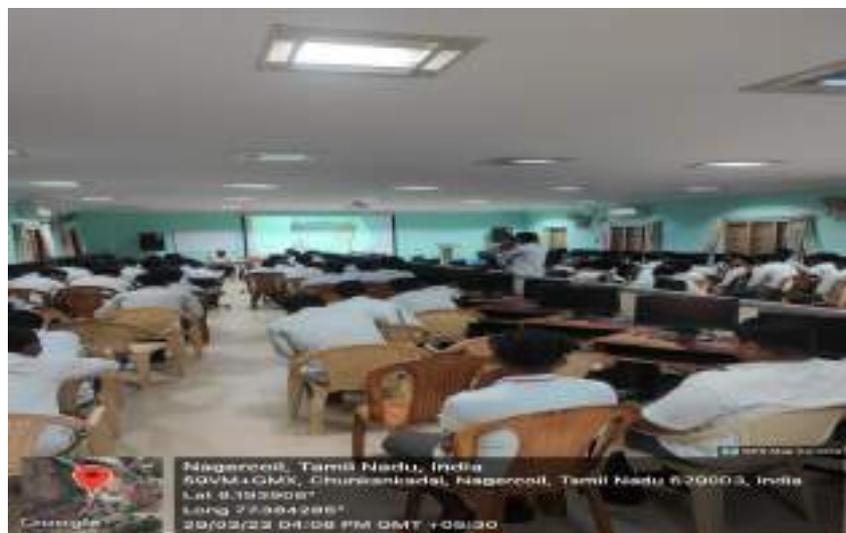
In order to create awareness among the students regarding Indian traffic rules and safety, a half day seminar on “Road safety and Traffic awareness” was conducted on 30-03- 2023. Mr.A William Benjamin, Inspector of police, Colachel Traffic Police Station has been consented as the resource person for the day.He also emphasized on the rules and regulations pertaining to road safety through power point presentation followed by students interaction and queries, ultimately making the whole session more interactive and informative. He also highlighted on women safety and provided information about a women safety application that helps women during times of distress. A total of 144 students attended the session.

### **Awareness program on e-waste management**



This programme depicted to create awareness about the e-waste disposal and recycling of electronic gadgets. With the direction of the faculty advisor, the student representatives of ACM- W,SXCCE made an presentation about the e-waste management. As the part of the programme, a quiz competition was organized by ACM-W related to e-waste management, in which the technical questions were very interesting .The members of the Eco club actively participated in the competition. Then the prizes were distributed for the winners. At the end of the programme, the Eco club members got awareness about disposal of e waste and save the environment.

### **A Workshop on Live Your Passion**



The Seminar titled “Entrepreneurship Skill, Attitude and Behavior Development” was held on 29/03/2023 at 2.00 PM in the Rock Auditorium. Around Seventy students attended the seminar along with the staff members. The seminar began with a prayer song, and the EDC member, Dr. G. Shanthos Kumar, Assistant Professor, (Mech Dept) delivered the welcome address and Mr.T. Michel Raj, Assistant Professor, (Mech Dept) introduced the chief guest. The resource person Dr.R.Sakthi Prasath conducted activity-based lecture. The meeting ended at 4.15 PM with vote of thanks by Mrs. S. Shiny, Assistant Professor, (EEE Dept). Participants attendance and feedback about the workshop were made properly.

## Soft Skills



Mr. Roshan Roy, TalenTus HR solutions pvt.ltd. is the resource person for the event. He outspread his experience in training the young graduates to accomplish their dream. In this program the resource person explained the importance of communication and presentations in interactive way. He explained how to improvement skills, creativity and attitude in innovative way. And the second day session was fully regarding the creativity and presentation skills. Also the importance of each person in team work was shown through various games and students were trained effectively to face the interview panel members boldly.

## Seminar on E-Waste Management



This programme depicted to create awareness about the e-waste disposal and recycling of electronic gadgets. With the direction of the faculty advisor, the student representatives of ACM-W, SXCCE made an presentation about the e-waste management. As the part of the programme, a quiz competition was organized by Abisha , Abinisha and Fathima Safna (ACM-W student members) related to e-waste management, in which the technical questions were very interesting .The Triple Trouble competition was organized by Tata T Megahana (Vice Chair, ACM-W) related to e-waste management. The members of the Eco club actively participated in the competition. Then the prizes were distributed for the winners. At the end of the programme, the Eco club members got awareness about disposal of e waste and save the environment. The full program was well organized by the vice chair of ACM-W.

## Seminar-Cyber Security Awareness



A seminar on “Cyber Security Awareness”, organized by the Club of Computer Science and Engineering of St. Xavier's Catholic College of Engineering, was held on 29th March 2023 at the General computing lab in the CSE department of the college.

The resource person for the seminar was Dr. E.Khalieraaj – Addl. Director of National cyber safety and security standards. The seminar aims to help students gain more knowledge about cyber security. The program duration was about 1.5 hrs and from 2.00 pm to 3.30 pm. The resource person provided good knowledge on the importance of cyber security in this online world. The seminar was attended by the third-year and fourth-year students of the Computer Science Engineering department of our college. At the end of the session, doubts were also cleared by the source person.

## Workshop on Live Your Passion and Ride Your Attitude



To create an entrepreneurial mindset, an awareness and focus on identifying an opportunity through solving a problem, and a willingness to move forward to advance that idea.

## Career guidance & placement drive training programme



An awareness program on career guidance was conducted for IV-year mechanical engineering students on 29/03/2023 by Mr. Nazeeb Nazar, B.E., Director, Knowit Edu. India Pvt Ltd. KNOWIT Education is an ISO 9001:2015 Certified Institution established in 2019 as an engineering, Healthcare & Management education and training. Since its inception, KNOWIT has successfully trained over 10,000 students. The Vocational institute was launched with the objective of making India the capital of skilled manpower by making technical vocational and professional education a prime choice in a student's career. In a total of 86 students participated interestingly.

### **AI and Machine Learning**



The Association of Computer Engineers (ACE) organized a seminar on "AI and Machine Learning" for second year , Third year and Final year CSE Students on 28/03/2023 at Einstein Seminar Hall from 1:00 PM to 4:15 PM. Tottaly , 111 students participated . It was handled by R.Santhose Rajan ,Technical Trainer ,EMAX-Nagercoil.

### **Python and Web Development**



The Association of Computer Engineers (ACE) organized a seminar on "Python and Web Development" for second year , Third year and Final year CSE Students on 28/03/2023 at Einstein Seminar Hall from 1:00 PM to 4:15 PM. Tottaly , 110 students participated . It was handled by M.Saranya , Technical Head, EMAX - Nagercoil.

### **Soft Skills and Interview Skills Training**



Mr. Roshan Roy, TalenTus HR solutions pvt.ltd. is the resource person for the event.He outspread his experience in training the young graduates to accomplish their dream. In this program the resource person explained the importance of communication and presentations in interactive way. He explained how to improvement skills, creativity and attitude in innovative way.

And the second day session was fully regarding the creativity and presentation skills. Also the importance of each person in team work was shown through various games and students were trained effectively to face the interview panel members boldly.

### **National Symposium (Electros & ACM)**



LECTROS in association with ACM, ACM-W Professional student chapter and Robotics Club of Electronics and Communication Engineering department of St. Xavier's Catholic College of Engineering, Nagercoil, Tamilnadu organized a National Level Technical Symposium titled "ECE-CONFAB 2023" on 25th March 2023. Competition such as paper presentation, Poster presentation, Circuit debugging, Technical Talk, Technical quiz, Con tak tix, Spell Quest and Mind meld" were conducted. The event was fruitful.

### **Symposium on Women Empowerment**



his symposium titled W2T-2023 was organized by IEEE WIE SBAG -62851 in St. Xavier's catholic college of engineering under the theme of "women empowerment" on 24-3-2023 under the guidance of Dr. M. Germin Nisha, faculty advisor to showcase the achievements of various women personalities through various events like paper presentation, poster presentation, technical quiz.

### **National Level Symposium THRONIX 23**



On 24th June we conducted the national level technical symposium THRONIX'23-SXCCE. Chief Guest Address was given by Mr. C. Neela Lingam Sr Network Engineer/Network Architect at NetApp India pvt ltd, and felicitation was given by our Principal Dr.J. Maheshwaran, and also Dr.M.Marsalline Beno, Dean -Research, IET. he students showcase their ideas using their presentation skills, communication skills, and on which stream they are focusing on .The competition ended up by 2.45 p.m.

### **Process Innovation Development, Commercialization**



The Workshop titled “Process Innovation Development, Commercialization of Lab Technologies, Tech Transfer and Awareness on Intellectual Property Rights” was held on 24/03/2023 at 9.30 AM in the Einstein Seminar Hall. Around One hundred and eight students attended the workshop along with the staff members. The resource person Mr.Prateek Srivatsava IP Attorney (CIPAM) Govt of India Ms. Drishti Khurana Assistant Manager (CIPAM) Govt of India delivered the lecture about IPR. The resource person Ms. Drishti Khurana Asst Manager – CIPAM participated in the workshop. The meeting ended at 12.15 PM . Participants attendance and feedback about the workshop were made properly.

### **Blood Donation Camp in association with YRC and NC**



In order to encourage our students to donate blood, a blood donation camp was conducted on 23-03-2023 at Rock Auditorium. Dr Kavery, Medical Officer, Blood Bank, Kanya Kumari Medical College Hospital, Nagercoil, explained the conditions required for donating blood and the need of blood donation. Seventy five students including ten NCC cadets, donated blood. Our Correspondent Rev.Fr.Dr.M.Maria William and our Principal Dr.J.Maheswaran were present during the camp. Arrangements were done by YRC, NCC and NSS units of our college.

### **Seminar on Importance of Electromagnetic Fields in Engineering**



Department of Electronics and Communication Engineering at St. Xavier's Catholic College of Engineering, IETE Students Forum (ISF) organized a seminar on "Importance of Electromagnetic Fields in Engineering" 23rd March 2023. The seminar focused on Electromagnetic Theory basic concepts and laws. The ISF Co-ordinator Dr.L.Femila introduced the resource person. the programme was over at 12.15 pm.

### **Seminar on AI and Machine Learning**



Seminar on “AI and Machine Learning” held on 21/03/2023 from 2:45-4:15pm. The resource person is Mr. R. Santhosh Rajan, Technical trainer at E-max in Marthandam ,who is the Alumni of the 2019 batch . He gives a lot more idea on IOT-Internet of Things and its application which is a part of machine learning. In between we can able to get a session for brain games with interesting fact for understanding the concept related to the topic on Machine Learning. He shares more information on Python and its application in creating apps such as instagram and creating games with programming language python are also gained.

### **Seminar on Introduction to Mainframes TSO/ISPF**



Seminar on “Introduction to mainframes TSO/ISPF” held on 21/03/2023 from 2:45-4:15pm for final year ECE students. The resource person is Mr. P.Jeya Bright, Cape Institute of Technology. He gives a lot more idea on Time Sharing Option/Extensions (TSO/E) allows users to create an interactive session with the z/OS system. This session is an interactive session gained lot more about TSO/ISPF. The session ends with giving feedback. The program was knowledgeable and useful. More information about the TSO/ISPF.

## Seminar on How to do Project?



A seminar "How to do Projects?" was organized by the REACH association for the UG and PG students. The programme commenced by 02:45pm. Dr. P. Antony Vimal, Assistant Professor/Civil, introduced the resource person. The session was addressed by Ms. A. Ilanthalir, Research Scholar.

The session initiated with the details of world's magnificent buildings. The design factors to be considered for the buildings were discussed. The resource person explained in detail about the types of concretes, alternative materials used in concrete and how to implement such materials to do projects. The session was very informative to the students.

## Career Guidance



An awareness program on career guidance was conducted for IV-year mechanical engineering students on 21/03/2023 by Dr. C. Selvamony, MD, ACS International Educational Consultancy. Their main goal is to create awareness on abroad studies and its benefits. Study abroad consultants guide students through their abroad journey by advising them on the right universities, courses, countries, etc. Students can also get visa assistants

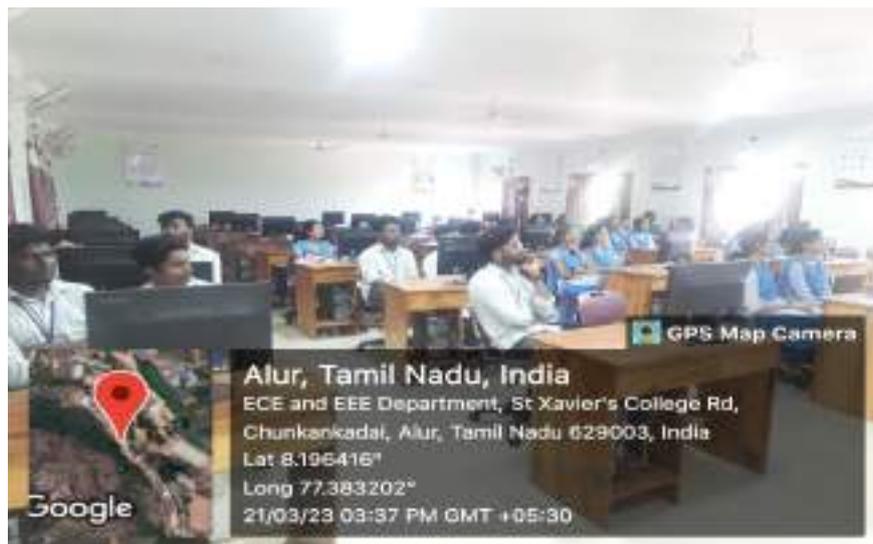
through abroad education consultants. Though it is a career guidance class the students enjoyed it and actively participated to it and learnt many things regarding study abroad. In a total of 86 students participated interestingly.

### **Seminar on stress and its impact on health and behavior.**



The guest speaker, Dr. Jenifer Diana, sought to advise the students on how to manage their stress, so they could excel in the fields they had chosen. She explained that although stress is a natural part of human nature, it is important to know how to deal with it. She conducted a PSS test at the beginning of the session to calculate the individual stress level of the students. She ended the session by highlighting the importance of serenity prayer which is proven to be one of the best ways of reducing stress

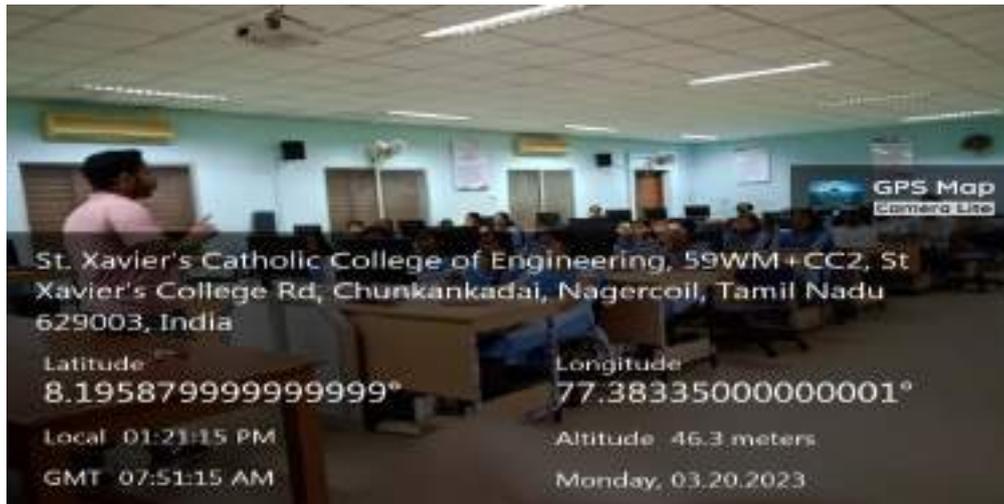
### **Hands-on training on web app & web page (session 1)**



SXCCE ACM-W Student Chapter (190059) and SXCCE ACM Student Chapter (124771) organised a hands-on training based on OOPS for web page and web app development on March 23, 2023. Mr. Dinesh (ACM, Student Member) formally welcomed the gathering.

The resource person explained OOP (object-oriented programming) in web development. OOP is an approach to programming in which data is encapsulated within objects and the object itself is operated on rather than its component parts. He explained the OOP concept in HTML, the five basic concepts of OOP, the main purposes of OOP, and how important OOPs are in web development. The best performer of the day is awarded to Akhila Babu, Final ECE. After the completion of the Hands –On training, a vote of thanks was delivered by Ms. Abisha (ACM-W, Student Member).

### **MOTIVATIONAL TALK**



The department of Electronics and Communication Engineering conducted a motivational speech program on 20/3/2023 Monday in VLSI lab from 1 pm - 2.30 pm. The speaker of this program was Mr. Tony Varghese, an alumnus of ECE (2019 Batch), St. Xavier's Catholic College of Engineering who is presently working in Merchant Navy as ETO. The presenter who himself is a source of motivation to students gave encouraging examples from his own life. He discussed the job opportunities for ECE students in Merchant Navy. This program was informative and helped students to be guided by a positive mind and driven self- motivation.

### **Workshop on Entrepreneurship Skill**



To motivate the students and turn ideas into innovative products or services which are commercially viable

## Book Talk



The Book Talk event was held on 15th of March 2023. The Book Talk was given by the student members. Our Librarian Dr.M.Vijayakumar gave the motivational speech to the students to encourage the reading habits and also appreciated the students who have participated in this event. Finally the quiz was conducted by Ms. Amie Sherin, Secretary of Readers Club, about the books, The book talk event ended with the vote of thanks

## Workshop on Organize an Expert talk on Process of



To motivate the students and turn ideas into innovative products or services which are commercially viable

## Quantitative Aptitude, Logical Reasoning Training



The resource person is, Mr. Prince, has supplementary experience in training the graduates to crack the aptitude round in interview process. In addition to this he outspread his experience in training the young graduates to accomplish their dream. His training with innovative methodologies helps the students to be focused to achieve their goals.

The topics discussed are number systems and speed maths. In the afternoon session problems on ratios and proportions was discussed. More examples problems were dealt and doubts were clarified.

### **Intra college Quiz Competition**



Intra College Quiz competition was organised by the college Constitution Club to create awareness about Indian Constitution among the students. Totally 18 teams (2 persons in a team) from different departments were participated in the competition and 5 teams were shortlisted for the final round. Finally, a team from II year Civil Engineering Department won the first prize of cash award Rs.1000 with trophy and a team from I year ECE Department won the Second prize of cash award Rs.500 with trophy.

### **Seminar on AWS**



On 11-03-2023 Saturday, ELECTROS organized a seminar on “Amazon Web Service”. This seminar was conducted by the resource person, Ms. R. Jhony, Network Systems, Nagercoil, Alumna of St. Xavier’s Catholic College of Engineering. In the first session she has taught as about their institution, the courses they have been offered to the students and also about the upcoming domains in the future. During the next session mam taught as about what AWS was and why AWS is preferred. The types of AWS were also explained during the session. The session was interactive and all of us asked doubts about the courses they offering. At last, the resource person shared a feedback form to know what knowledge we have gained from the entire session.

### **The national level Technical Symposium**



The national level technical symposium has been conducted on 10/03/2023. Totally 150 students participated from other colleges. The events such as paper presentation, debugging , Technical Quiz are conducted. Prizes will be distributed to the winners.

### **SCHOOL VISIT**



SXCCE ACM Student Chapter (124771) organized a one day school visit to Adline Matriculation School, Vilukuri over the topic “hands-on training in ARDUINO” on 09th March 2023. The training session was guided by Dr. C. Sheeja Herobin Rani, AP/ECE, Faculty Sponsor (ACM). The introduction to ARDUINO and basic explanations was given by Haritha, ACM treasurer, Arduino and programming was explained by M. Dinesh Singh, Chair-ACM member and Sensors was explained by B. Anto Rohith , Secretary-ACM member. raining was given to 81 students by dividing them in small groups with 4 to 5 student in a single group. Each trainer handled a group individually. Every group of students was trained to do all 6 experiments. After the training session volunteers were asked to perform experiments individually and certificates were provided.

### **Seminar on E-Waste management (school students)**



SXCCE ACM Student Chapter (124771) organized an awareness programme to the school students (std 8 &9) to Adline Matriculation School, Vilukuri over the topic “E-Waste Management” on 09th March 2023 ( 9.00 am to 10.00 am). The seminar session was guided by Dr. C. Sheeja Herobin Rani, AP/ECE, Faculty Sponsor (ACM). The seminar includes sources of E-Waste, Types of E-Waste, Effects and Disposal of E-Waste. Also in the seminar they explained about recycling E-Waste. (Recycling: complete segregation of parts and materials that is then used to build new electronic products. Refurbishing: Reuse of the working, good quality products to replace parts and extend the life of other electronic

equipment). The seminar was handled by Rishiths S S, Membership Chair, ACM and Pratheeba ACM Member .

### Path to Data Science



The computer society of India organized a Workshop on “Path to Data Science” on 09/03/2023 between 09:00AM to 12:15 PM. The lecture in this Training was given by Mr.R.Abishek,CEO & founder CheckInTek. He trained the students on to identify patterns in data, analyses the data and derives insights using a variety of statistical techniques, carefully examine the data after data extraction, wrangling, and pre-processing. We received good response from the audience and also they gave very good feedback. The resource person thanked the organizers for arranging the live training.

### Seminar on Discovering AutoCAD



A technical seminar was organized for the III and IV year students of the Department of Civil Engineering on behalf of the REACH Association on 09.03.2023, on the topic "Discovering AutoCAD".The session began with an introduction to AutoCAD software, delivered by Mr. BibinV. K, the Center Head. Following the introduction, Ms. Ginjumol George, Academic Engineer, presented the advancements in CAD software and its applications. Mr. Prabin, Academic Engineer, discussed the certificate courses offered at CAD Point Authorized

Training Centre. Overall, the program proved to be informative and beneficial for the participants, empowering them to leverage CAD software effectively and pursue professional growth in the field.

### **Innovation & Entrepreneurship Outreach Program in**



To increase the innovative and Start-up skills and turn ideas into innovative products or services which are commercially viable

### **Seminar on Engineering Innovation technology**



The Institution of Engineers (India), Kanyakumari Local Centre in association with St. Xavier's Catholic College of Engineering Students Chapter and St. Xavier's Catholic College of Engineering Ensav Club celebrated World Engineering Day on 9th March 2023 at 3.00 pm in St. Xavier's Catholic College of Engineering, Nagercoil. Er. K. Chithra, Assistant General Manager (Rtd), BSNL Nagercoil was the Guest of Honour for the function. About 61 participants attended the function

### **Women's Day Celebration**



The International Women's Day was celebrated in the college every year on 8th March. The purpose of celebrating Women's Day is – To raise awareness about the status and dignity of women among the students. To create awareness of gender equality for a healthy society constitution club along with women's cell arranged a seminar for girl students. Chief guest for the program was Rev Fr. Junifer J Thomas who gave a talk on importance of women education, legal rights of women to aware of their role and harassments in society.

### Data Analysis



The computer society of India organized a Workshop on “Data Analytics” on 08/03/2023 & 09/03/2023 between 09:00AM to 12:15 PM. The lecture in this Training was given by Mr.R.Abishek,CEO & founder CheckInTek. He trained the students about how to increase efficiency and improve performance by discovering patterns in data. We received good response from the audience and also they gave very good feedback. The resource person thanked the organizers for arranging the live training.

### Science Day



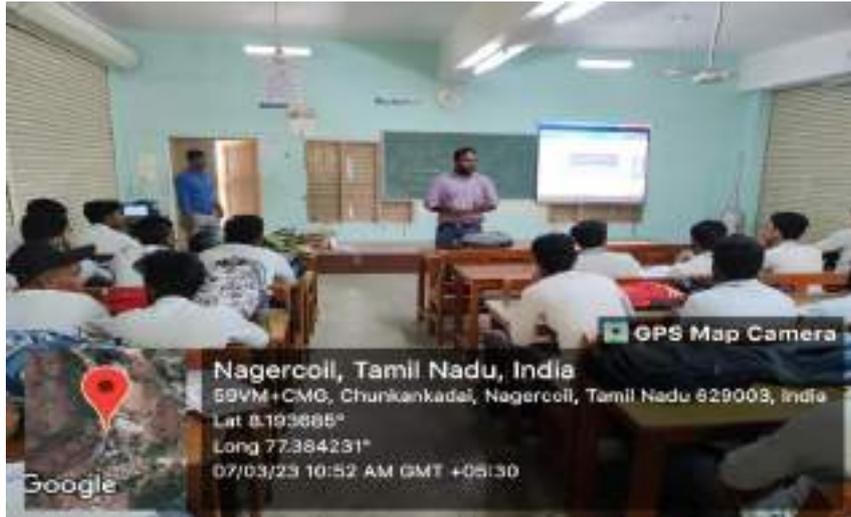
The program began at 2:30 p.m. Mr. Biju, IEEE Student Branch Vice Chair, organized the program. Mr. Raksha, IEEE Executive member, addressed the gathering by welcoming everyone present there. Following the welcome address an inspiring Science Day talk was given by Ms. Kiruthika, IEEE Executive member, about the needs of science day. Next Science talk was given by Ms. Suha Fathima, IEEE Executive member, which gave the perspective of application of science in daily life. Next Mr. B. Biju, IEEE Student Branch Vice Chair and Mr. B. Gerald Briyolan, IEEE Student Branch Treasurer conducted the quiz competition. Following the Quiz competition Ms. Shali IEEE Education Society Vice Chair, conducted the Science Experiment Competition. The program concluded by expressing gratitude to everyone involved.

### **Women's Day**



On February 26, 2023, the Radio Club organized a special recording to commemorate International Women's Day, broadcasting the content on women's day through All India Radio, Konam. The recording took place at Nanjil Nathan and aimed to highlight and promote women's empowerment across various fields, including technical aspects. The recording encompassed a diverse range of programs, such as reciting poetries, speeches, and songs, all dedicated to empowering women and recognizing their contributions. Over 45 students participated in this event in the esteemed presence of the Faculty Advisor of Radio Club Dr. S. Absa and Dr. Amal

### **Orientation about CAD/CAM/CAE**



A workshop on orientation of CAD/CAM/CAE was conducted for III year mechanical engineering students on 07/03/2023 by Er.M.V.Magesh, Technical Head, CAD OINT, Marthandam. CAD/CAM/CAE is the three functional types of industrial design software, representing computer-aided design, computer-aided engineering, and computer-aided manufacturing. CAD/CAE/CAM will be included in the basic functions of large-scale industrial design software suites.

This class was conducted with the support of total support of faculty members of SXCCE. In a total of 77 students participated interestingly and learnt about CAD/CAM/CAE which made the program a successful one.

### Soft Skills Training



Mr. Roshan Roy, TalenTus HR solutions pvt.ltd. is the resource person for the event.He outspread his experience in training the young graduates to accomplish their dream.

In this program the resource person explained the importance of communication and presentations in interactive way. He explained how to improvement skills, creativity and attitude in innovative way.

And the second day session was fully regarding the creativity and presentation skills. Also the importance of each person in team work was shown through various games and students were trained effectively to face the interview panel members boldly.

### **Seminar on Engineering Innovation for a more resi**



The Institution of Engineers (India), Kanyakumari Local Centre in association with SXCCE Ensav Club and IEI SXCCE Student Chapter celebrated World Engineering Day on 9<sup>th</sup> March 2023 at 3.00 pm in St. Xavier's Catholic College of Engineering, Nagercoil. Er. K. Chithra, Assistant General Manager (Rtd), BSNL Nagercoil was the Guest of Honour for the function. The Chief Guest started the topic with 5G and Sustainable Energy. She said 5G and sustainable energy are two important areas of technology that have the potential to transform the way we live and work. About 61 participants attended the function.

### **Society: Issues and Empowerment**



On behalf of International Woman's day St. Xavier's Alumni Association and women's cell together organized the seminar on "Society: Issues & Empowerment" in St. Xavier's Catholic

College of Engineering on March 3rd. Dr. Savitha A R, Assistant Professor and Head Research Center in English, Sree Ayyappa College of Women, Chunkankadai was the key note speaker of the day and Ms. Praslee Christus P L, Assistant Professor, Rajiv Gandhi College of Engineering, Chennai was the proud alumnus of our college and guest speaker of the day. Though the theme of this International woman's day 2023 is "DigitALL: Innovation and technology for gender equality" both male and female students took part in the seminar and made the session interactive. What is woman empowerment? Why it is needed? , was beautifully explained by Dr. Savitha. Overall the session was very interesting and informative.

### **National Level Technical Symposium**



The National Level Technical Symposium(TechBeta2k23) took place on the 3rd of March 2023 at Rock Auditorium. There are 75 students from various colleges participated both technical and non-technical events. The welcome address was given by Dr.L.Josephine Usha, Faculty Advisor/BRIGITZ. The President of BRIGITZ Dr.G.Sahaya Stalin Jose, HOD/IT introduced the chief guest of the day. Ms. P. Pradhisha, Executive Member of BRIGITZ, Final year IT presented the annual report (2022-2023), Presidential address was delivered by Rev. Dr. M.Maria William, Correspondent. Dr.J.Maheswaran, Principal gave the felicitation. The chief guest address was given by Mr.M.Gomathi Subramanian, Managing Director, CubenSquare Technology Solutions, Chennai. His talk was very much motivated for all the students and it was very useful and thoughtful for us all.

### **Higher order Thinking Course**



As per the curriculum , a one credit course on , “Higher Order Thinking” was added to the syllabus of the first year. Inorder to improve the students critical and creative thinking skills, a session on the same topic was conducted for five days from 27/2/2023 to 3/3/2023. The session was handled by an eminent personality, Dr. S.Lourdunathan, Associate Prof &Head, Department of Philosophy, Arulanandhar College, Madurai. The session was interesting and it enables the students to enhance the problem solving skills which is required for an engineer. The resource person gave various activities to the students to make the session a lively one. Students gained knowledge on deductive and inductive problem solving skills and how to figure out the problems in an easier manner. He also explained about the reasoning ability which can be asked in exams such as GATE . Students enjoyed the sessions and finally the session ended on 3<sup>rd</sup> March.

### **AQUEST Semi Final**



On 2/3/2023 Thursday at 11am the semi finals of A-quest was conducted by ISHRAE South Zone at Marian Engineering College. Our college students who were selected for the semi final participated in the competition.

### **Workshop**



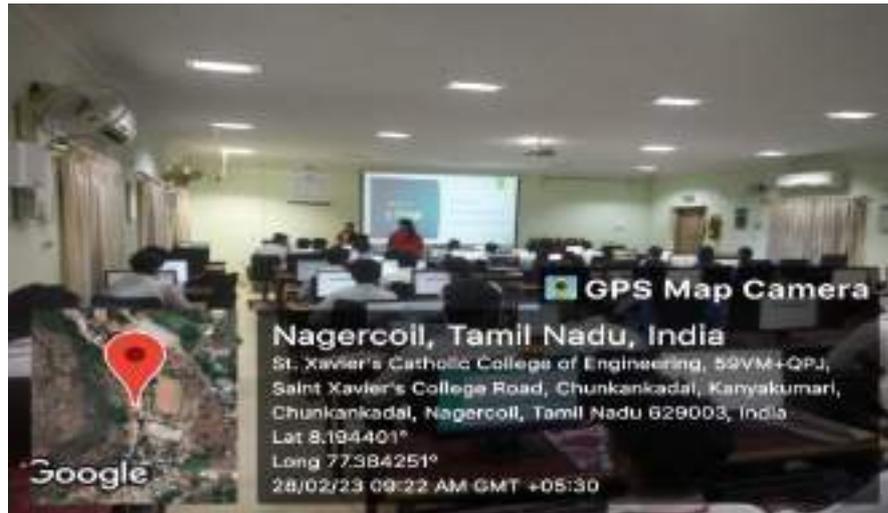
Rexnar Solutions conducted a workshop on “Importance of Leadership Quality in Entrepreneurship” organized by ISTE. Mr. Sobin, CEO of Rexnar Solutions held the session along with Mr. Manoj K. They conducted a session which managed to bring out the talents of students in accordance with leadership qualities. Students were made to speak, organize groups, lead and work as a team. The students had an opportunity to express their thoughts on the topic and bring out their creative talents. The session was interactive and students were trained to communicate efficiently

### **G20 INDIA’S PRESIDENCY**



A seminar on ‘G20 - Indian presidency’ was arranged for our cadets on 01-03-2023 at Einstein Hall, SXCCE. Under the motivation and guidance of Col C P Unni Krishnan, Officer Commanding and Lt Col Ansar M, Administrative Officer, 11 Tamil Nadu Battalion NCC, Nagercoil the program was organized. Maj S Edwin Gladson, ANO, St. Xavier’s Catholic College of Engineering, Chunkankada briefed the cadets about the program. Prof. K Maria Vinu, Assistant Professor, Department of Management Studies, SXCCE, was the chief guest. He is a Finance specialist. He delivered the lecture on ‘G20 - Indian presidency’. He explained the history, member countries and presidency concept of G20. Fifty four cadets participated in the program.

### **Hands-on training on ZOHO Creators**



BRIGITZ organizes the Hands-on Training on “ZOHO Creators - An Overview” by Er.W.Merin Vincy, Asst.Head, Er.J.Amala Josephine, Sr.Developer, Zitraar Technologies. Totally 39 students were benefited and got certification. Students were able develop custom enterprise applications.

### **Career Opportunities in Abroad**



BRIGITZ organizes the training was organized to all students of final and pre-final year by the resource person Mr. Sivas Sambandam, Founder of Galaxy educational consultants, Madurai. The event was organized on 27-02-2023 at the IV-year IT class room from 02:30 to 04:15 PM. The resource person gave the basic knowledge to pursue the higher education and career opportunities in abroad. He also discussed different universities expectations for pursuing the higher education and career in abroad. He also gave awareness about visa process and validity of work permit. Overall, 53 students participated and benefited in this training.

### **Seminar on Energy Audit and Energy Conservation**



A seminar on “Over Voltages in Power Grid” was held on 21st of April 2023. It was organized by Society of Electrical Engineers. The speaker was Dr.P.Valsal, Professor Department of Electrical and Electronics area of research was power system. She has 24 years of experience in teaching.

The objective of the seminar is to introduce the causes, types and latest technologies for the reduction of overvoltage in the power grid. Speaker explains the significance of overvoltage in the power system, its effects and how to regulate the overvoltage for the reliability of electrical power. The seminar was attended by Second year, third year and Final year. The seminar ended at 04:00 PM and feedback forms were collected.

### **Energy Saving Awareness campaign at Vavarai**



The student members of EnSAV club visited the Vavarai village on 25th February 2023 to give awareness to the village people. Around 37 student members have visited with 5 staff members. The Faculty advisor addressed the student participants, shared what to do while

visiting a home and How to give the awareness to the family members. The students were splitted up into 7 batches and staff members were allocated for five batch. The students went into each home in the village and asked about the energy usage in their home and they will ask certain questions to the family members regarding the usage of electricity in their home. Depending on the answers, the students will suggest some ideas in order to save electricity and money.

### **Core Java workshop**



A workshop on "CORE JAVA" was held on 25th of February 2023 at St. Xavier's Catholic College of Engineering, Einstein Seminar Hall. It was organized by the Association of Computer Engineers (ACE). The resource person for the workshop was Mr. Abington – Business Development Manager and Mr. Palani - .Net developer. The workshop is intended to help students learn more about working with Java environments and better understand the current needs of the IT industry. The program duration was about 3.5 hours

### **seminar to create awareness related to save earth**

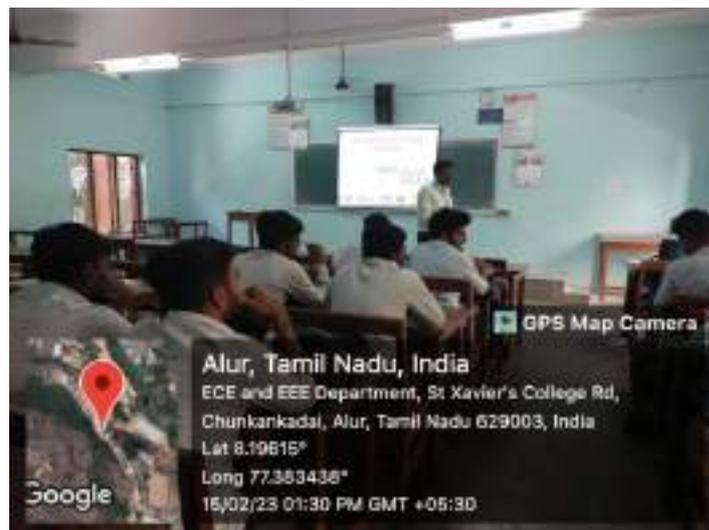


An seminar was organized for the students of Civil Department on behalf of the FACEAT&P association on 24.02.2023(Friday), on the topic "SAVE EARTH". During the session 105 students and 15 staffs were present and are benefitted.

## Orientation Program on Software for Civil Engg



## Real time applications of Embedded Systems



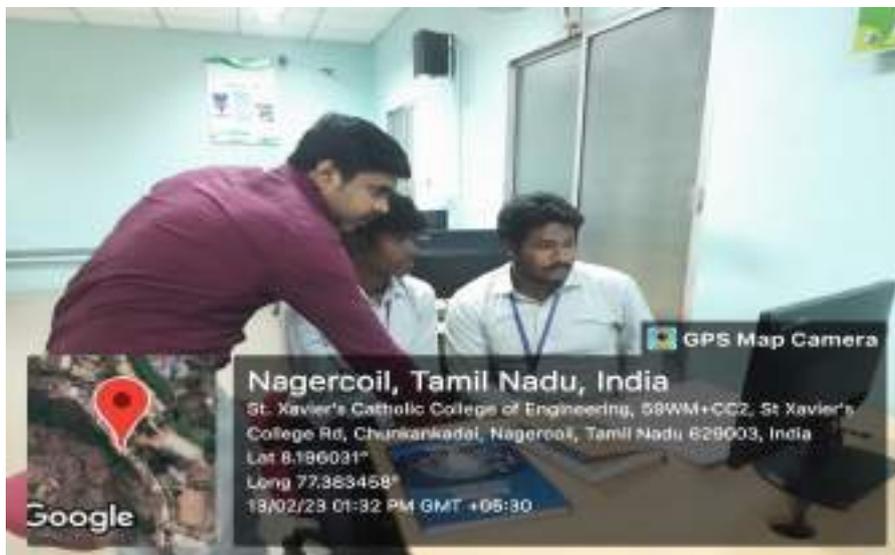
A seminar on “Real time applications of Embedded Systems February 2023 at St. Xavier’s Catholic College of Engineering. It was organized by of Electrical Engineers was held on 15th of 2023 at St. Xavier’s Catholic College of Engineering. It was organized by Society. The objective of the seminar is to introduce the latest technologies used in embedded system and to build project guidance for the students. The seminar was attended by Second year EEE students. PM and feedback forms were collected from the participants.The seminar ended at 04:00

## Industrial Visit



Students of II year CSE department were taken for an industrial visit to UST Global on 13-02-2023. This industrial visit was a fascinating experience, and the company was majestic. It was a great inspiration for all the students, and it changed some of their motives to work in a company like UST Global

### **Hands-on training on Digital System Design-Verilo**



The hands-on training was organised by ACM-W student chapter SXCCE-190059. The welcome address was delivered by Fathima III ECE A. Tata Poli Meghana III ECE B ( Vice Chair ACM-W) introduced the resource person Er.B. Deepesh, Project Head, Goldlight Technologies Pvt. Ltd, Trivandrum. He started the session by explaining the difference between embedded and vlsi system. He explained why should we move from embedded to VLSI. He also explained about FPGA and ASIC, the companies that manufacture FPGA and ASIC and their influence on real time systems.

### **IGEN SDG ACTION Award Ceremony 2022**



The Institution of Green Engineers (IGEN) in association with St. Xavier's Catholic College of Engineering, Nagercoil hosted the kanyakumari regional Project Winners Felicitation Ceremony on 10-02-2023 at 2.30 pm in St. Xavier's Catholic College of Engineering. The Chief Guest of Honor was Dr. S. Joseph Jawhar, Former chairman, IET-KKLN and Principal, Arunachala College of Engineering for Women.

### **AQUEST Quarter Final**



On 8/2/2023 Wednesday at 11am the quarter finals of A-quest conducted by ISHRAE Madurai chapter. Our college students were divided into 2 teams and were allowed to participate in the competition. Both the teams qualified for the final round of the competition.

### **Industrial visit**



Three classes,(CSE A, CSE B, and AI) underwent an industrial visit on 03/02/2023 to UST Global , Trivandrum. Around 183 students along with 8 Faculty members went for the IV. The students enjoyed the tour and learned many things about UST.

### **Coding / Programming Skills**



The basics of CPP language was taught by Mr. K. Monikantan, Syspro training academy.

### **AQUEST-QUIZ**



On 25/01/2023 Wednesday at 11am the Aquest quiz was conducted by ISHRAE SXCCE students chapter. 26 of our college student members participated in the competition. The top 4 members were qualified for the Quarter finals at Madurai.

### **Industrial Visit Lofty optical Industries**



We were received by the Hr manager of LOFTY optical. And requested to be in four groups .Each group were guided by a leader. At first we were visited the stocks section, and learnt to know about the stocking and distributions of lofty optical and we are guided to the CMC section were the frames were made, consecutively we looked all the process of Optical, frames and lens made by them. After visiting them all the GM of lofty explained about the strategies like product, marketing, Sales and distributions of their company

### **Industrial Visit**



Department of Computer Applications of St. Xavier's Catholic College Engineering had organized an industrial visit to AtoS Syntel, Tirunelvel. Sixty students of I MCA participated in the trip and were accompanied by three faculty members a seminar conducted by Naveen Samraj G, HR – Global Talent Acquisition, AtoS Global IT Solutions and Services Pvt. Ltd., ELCOT IT Park, Gangaikondan, Tirunelveli. He gave a brief introduction about the company and has explained about the infrastructure, their placement strategies and the internships, the skills they prefer for their recruitment, their working hours and the type of projects they work and their work culture.

### **Seminar about the current pricing of GST**



The resource person, started off the session with a PowerPoint presentation, elaborating on what basics cooperate TAXES are done by our government. Moreover, he spoke about the essential thinks what to do and complete a CA course. He then discussed about the constitutions acts where these laws were made and got into act. Before getting deep into our seminar topic he asked students a tricky questions about GST which is like a true or false question “Is GST is paid from our pocket” and the answer was true. Then he explained about the types of cooperate taxes and classifications.

### **Legal awareness**



The talk was to give awareness to girl students about legal rights of women in domestic and working environments from childhood to older ages. She also gave the importance of education for girl children to get proper understanding of human rights. She explained how a woman can lead her life and family happily with self respect.

### **Daily Quiz Competition**



The "DailyQuiz" Competition has been conducted by ACE on 03/12/2022. Tottally 52 students particiapted . The winners got prizes

### **Technical talk**



The tech talk was given by Mr. Samnath S & Mr. Jefrin A (Prefinal IT) on the topic “UI/UX Design” The talk explains about the UI/UX Design. The UI/UX Design Specialization brings a design-centric approach to user interface and user experience design, and offers practical, skill- based instruction centered around a visual communications perspective, rather than on one focused on marketing or programming alone. The session was informative.

### **IEEE XPLORE DIGITAL LIBRARY ONLINE TRAINING**

IEEE Education Society, in collaboration with the Central Library, organized an online training program on the IEEE Xplore digital library. The aim of the program was to equip students with the knowledge and skills necessary to access and benefit from the resources available in IEEE Xplore. The resource person for the program was Dr. Periasamy Pradeep R, Training Manager at EBSCO Information Services and IEEE. Overall, the training program was useful and successful, and the students were able to gain knowledge about accessing the IEEE Xplore content.

### Inauguration of NCCSS



“National Cyber Safety and Security Standards Inauguration” was held on 28<sup>th</sup> November 2022 at St. Xavier’s Catholic College of Engineering (Autonomous), Einstein Seminar Hall. The Chief Guest for the inauguration was Thiru. D.N. Hari Kiran Prasad, IPS Superintendent of Police, Kanyakumari, TN and the Guest of Honour was Dr. Sathiyaseelan Shanmugam, Research Head - Southern Region, NCDRC. The objective was to create awareness about cybersecurity and to inaugurate the club.

### Hands-on Workshop on Python Programming



BRIGITZ organizes the Hands-on workshop on “Python Programming” by Mr.Senthil Murugan, Project Manager, Mr.Vijaya Kumar, Software Engineer, Mr.Jibin Raj, Junior Software Engineer, Acharya Virtual Solutions Pvt Ltd, Marthandam. Totally 62 students were benefited. Students were able to develop programs using Python language for any real applications.

#### **Industrial Visit V.V.V& Sons Edible oil Limited**



The company that the second year students of MBA visited for the industrial visit was V.V.V and sons, in Madurai. The visit was on 25th November 2022. Then the guides explained each of the processes that the seeds go through in detail and allowed the students to see some up close and touch the materials, like oil cakes that were in the middle of processing.

#### **One day workshop on Layout design using CADENCE**



On November 24, 2022, ELECTROS organized a one day hands on workshop for the PG students on “Layout design using CADENCE ”. The workshop was conducted by the resource person, Mr. B. Deepesh, Gold Light Technologies.his workshop provides the students with a good understanding of CADENCE and its importance in the field of digital design.

### **National level Management Fest XIBITA 7.0**



the chief guest Mr. RMS Mangal Durai, Managing Director, RMS Group of Enterprises, Kadayanallur. In his inaugural address he pointed out the basic qualities required to become an entrepreneur. The event has started around 11.15 a.m. in three different venues. The Best Manager Event prelims were conducted in MBA Classroom, Adzap finals in the conference hall and Collage conducted in MCA Class rooms and Business Quiz prelim conducted in MBA Lab. In the afternoon Finals of Best Manager, Business Quiz were conducted in main venue – conference hall.

### **Design Skills of IoT Using Innovative Methods**



On 19.11.2022 IEEE Education Society of St.Xavier's Catholic College of Engineering organised a webinar about "Design Skills of IoT Using Innovative Methods" by Dr. A. Beulah David, Professor Department of Data Analytics and Innovation Ambassador at Saveetha School of Engineering. The event was organised by Ms. Shali S. S., Vice Chairperson of IEEE EduSoc StB, under the guidance of IEEE EduSoc StB Faculty Advisor G. Johncy. Around 48 IEEE members attended the event. Students gained a lot of technical knowledge regarding the applications, benefits, and technologies in IoT. She also shared some real time applications of IoT like smart cities, smart street lights, smart traffic lights, public transport, smart meters, and billing. The webinar was concluded by expressing gratitude to everyone.

### **Mental and emotional well being (SIP)**



In part of our Student Induction Program (SIP) based on Universal Human Values (UHV) has been conducted from 7/11/22 to 17/11/22. During the programme the Health care cell was arranged Mental and Emotional Wellbeing sessions were conducted by the professors (Prof.Rajeshwari, Prof.Ida Divya Sherly, Dr.T.Arul Valan, Prof.Beula) of Dr.Kumaraswamy Health centre and college of Nursing, Kanyakumari around 500 students can participated and benefited through the programme.

### **Industrial Visit**



The students of 2nd IT from St Xavier's Catholic College of engineering grabbed the opportunity to visit Vikram Sarabhai Space Center, Thumba, Trivandrum on 16-11-2022. A group of 57 students with 3 staff members had visited it.. The first industrial visit for the students of 2nd IT was very memorable and useful,

### **Seminar on Revit Architecture**



A workshop on orientation of CAD/CAM/CAE was conducted for III year Civil engineering students on 07/03/2023 by Er.M.V.Magesh, Technical Head, CAD OINT, Marthandam. CAD/CAM/CAE is the three functional types of industrial design software, representing computer-aided design, computer-aided engineering, and computer-aided manufacturing. CAD/CAE/CAM will be included in the basic functions of large-scale industrial design software suites. The seminar was effective.

## MSME IDEA HACKATHON 2.0 (Theme Based)



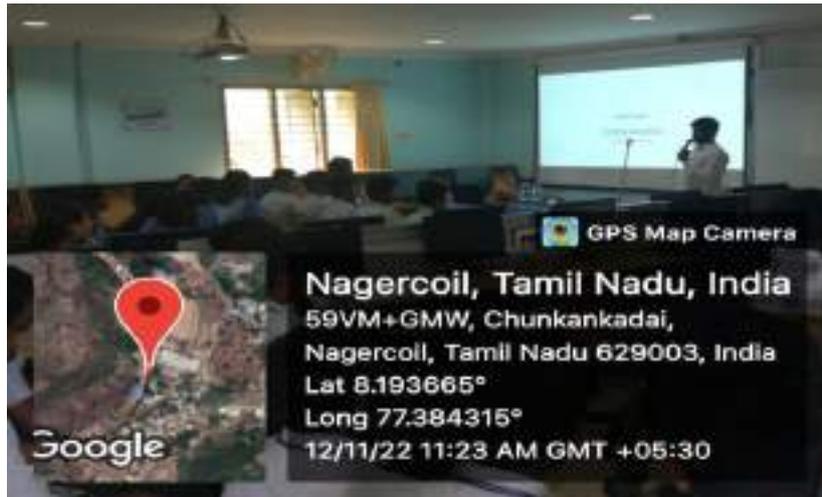
To support & promote unexplored creativity of individual and to promote adoption of latest technologies in manufacturing as well as knowledge based innovative MSMEs

### New Product Design & Development using Solidworks



A workshop on new product design & development using solidworks was conducted for III year mechanical engineering students on 14/11/2022 by Er.M.V.Magesh, Technical Head, CAD POINT, Marthandam. The students learnt many things on designing new products and developing new products using Solidworks. The training was good and very clear and in simple manner, so every student can understand the basic instructions very quickly. The classes started with very simple and basic designs and finally students were able to do the complex designs very easily. The students learnt to enhance design on both 2d and 3d diagrams and able to develop it using the solidworks. Students practiced many diagrams and they were able to develop it. Though it is an educational class the students enjoyed it and actively participated to it and learnt many things. This class was conducted with the support of total support of faculty members of SXCCE. In a total of 96 students participated interestingly and learnt to design and develop new product design using solidworks easily which made the program the successful one.

### Workshop on My Story - Motivational Session



To give an insight in building entrepreneurship skills in students.

### **Fit India Drawing Competition**



The **NSS units I and II** of **St Xavier's Catholic College of Engineering** had conducted a programme on the theme **Fit India 3.0** on 12<sup>th</sup> November 2022. The programme began at 1.00pm. Nearly 49 volunteers of our NSS units actively participated in the event. The mission of the programme is to create awareness to bring out behavioural changes and move towards a more physically active lifestyle.

### **Hands-on training on MEAN Development**



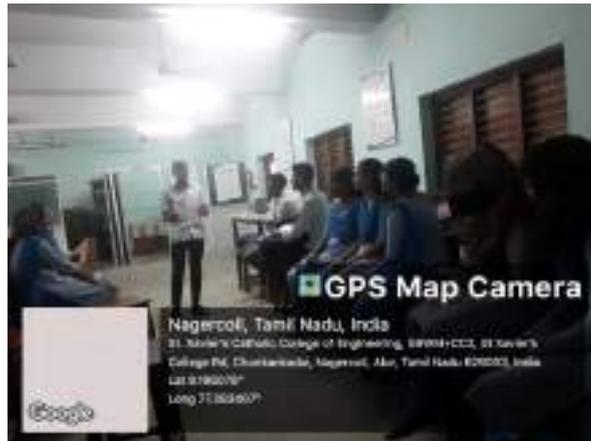
SXCCE ACM Student Chapter (124771) organized Hands on training on the topic “MEAN stack development” on 12th November 2022. Ms. Akhila Babu, Chair of ACM-W formally welcomed the gathering and introduced the resource person Er. Sobin J.M, Founder & CEO, REXKNER Creative Solutions. The resource person took over the session. The resource person shared about the basics of HTML and Angular based programs using the VS code software. He also taught how to insert picture in a given program through HTML format. The resource person clearly explained about websites, webpages through certain real time applications.

### **An Overview of MEP Services in Building Industry**



ICC has organized a one day workshop on MEP (An Overview of MEP Services in Building Industry) on 12th November 2022 for the pre-final year and final year students of Civil Engineering, Electrical and Electronics Engineering and Mechanical Engineering. A group of resource persons from Unique MEP Engineering Academy from Trichy handled the sessions. Er. R. Saravana Kumar, Senior Design Engineer and Er. S. Deepak, BIM Manager gave training on Plumbing design and drafting , Drainage System design and its drafting using to the civil department students. Er. A. Imran Sheriff , BIM Manager handled the training session to EEE students on designing and drafting the lighting system at buildings using DIALux software. Er. S. Abuthaheer, Senior Design Engineer gave a training session on Fire Fighting to Mechanical Students. A total of 97 students (Civil, EEE, and Mechanical) attended the training. The training session gave deep understanding about MEP and practical knowledge in this area. Students gave a positive feedback about the training session.

### **Basic Knowledge in Photography**



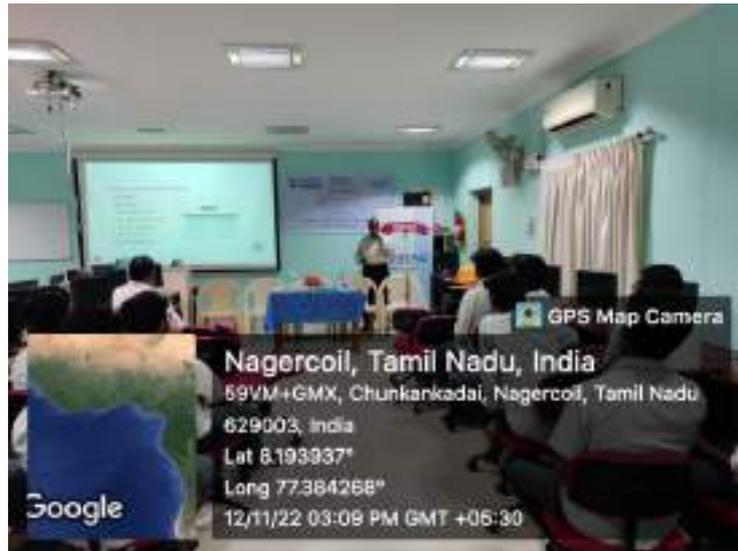
A training program on Basic Knowledge in Photography is conducted for the SXCCE Photography Club Students by Dr. C. Seldev Christopher to train the students to gain basic knowledge about the operation of a camera, setting angles for perfect photos and how to setup a proper exposure. 23 students participated in the training program.

### **intra college competition**



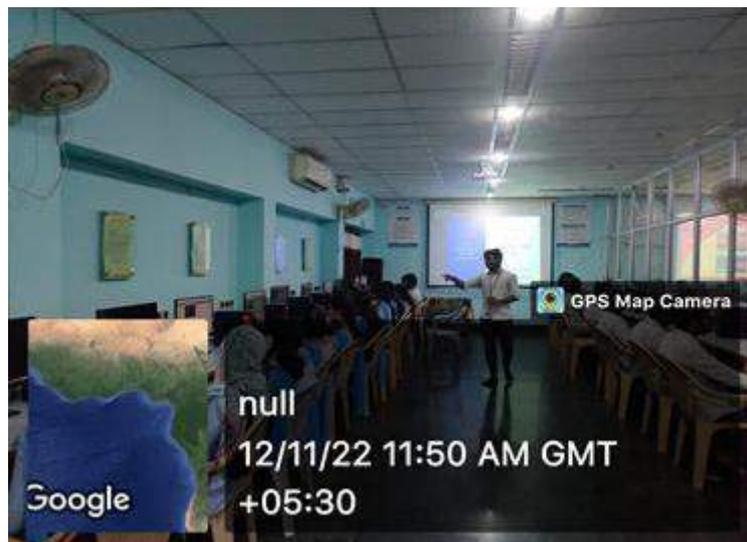
The Intra college competition was conducted on 12-11-2022 for out robotics club members to initiate the interaction between the students and nearly 50 students have participated. The office bearers have organized various competitions like Quiz, Debugging and Meme creations and the prize winners were announced. Finally it's decided to give the prizes during the valedictory function which will be conducted during next semester.

### **Recent trends in HVAC**



On 12/11/2022 Saturday 2pm the installation of ISHRAE student chapter started with Tamil Thai Valthu sung by the department choir. Followed by that the president Mr.Lawin final year mechanical engineering student welcomed the gathering. Our beloved principal gave a presidential address about the encouragement given by the management for the professional cells.

### **Linux basics and github**



On November 12, 2022, between 9:00 a.m. and 12:15 p.m., the Computer Society of India conducted a workshop on "Linux basics and github." Mr. Shagish Bergin V, CSI Member, delivered the workshop lecture. He guided the students in understanding and using essential tools for handling files, directories, command- line environments, and documentation. Students got an understanding of how to operate running systems, including booting into different run levels, identifying processes, starting and stopping virtual machines, and controlling services. We received a good response from the audience, and they also gave very good feedback.

### **Web development**



On November 12, 2022, between 9:00 a.m. and 12:15 p.m., the Computer Society of India conducted a workshop on "Web Development." Mr. Esmont Tony S., Mr. Darwin J., and Mr. Bageio A. delivered the workshop lecture. They guided the students in creating an effective web page, including an in-depth consideration of information architecture. Students learned the language of the web (HTML and CSS) and skills in analyzing the usability of a web site. We received a good response from the audience, and they also gave very good feedback.

### **GD & Quiz**



Students of ISTE cell conducted various events like Group Discussion and Quiz. Title of the Group Discussion is "Is Technology making people lazier/more dependent on it?" and Quiz was conducted on various fields. In this event, 20 students of various departments were participated.

### **Data Warehousing and Big Data**



BRIGITZ organizes the seminar on “Traditional Warehouse and Big Data” by Mr. Geo Niju Shanth G, Software Engineer, CME Group, Bangalore. Totally 35 students were benefited. Students were understand the basics of data warehousing and big data storage and analytics.

### **Industrial Visit**



Students of second year Electrical and Electronics Engineering were taken for an industrial visit at Thoothukudi Thermal Power Station on 11th November 2022. The objective is to enhance the practical knowledge of the students on operation & control of thermal powerplant and to motivate them to identify solutions for technical issues faced in generating stations.

### **National Level Technical Symposium**



A one day national level technical symposium was organized by Society of Electrical Engineers (SEE) of EEE department on 10th November 2022. Chief Guest Er.R.Rajiv Subramoniam, Associate Specialist HRBP, Atos Trinelvei GDC, addressed the gathering about the importance of Electrical Engineering as well as the job opportunities at the present situation.

### Technical talk & Project Presentation



The tech talk was given by Ms. Tata T Poli Venkata Meghana (Pre Final ECE B), on the topic "Paper Battery". The project talk was given by Ms.S.Ashika & Ms.S.Dhanuja (Final ECE A) on the topic "Air Pollution Monitoring System". The sessions were very informative.

### Interactive Session on Employability Skills



Mr. Sarath Chandar , expert in campus recruitment encouraged students to develop employability skills.

### **Industrial Visit KKNPP**



Department of Management Studies, SXCCE had arranged for an Industrial Visit to KUDANKULAM NUCLEAR POWER PROJECT (KKNPP) which is constructed by the NPCIL.

### **Human Value based Induction program**



As per the curriculum a two-week Student Induction Program (SIP) based on Universal Human Values (UHV) has been conducted from 7/11/22 to 17/11/22. The two-week SIP is to prepare newly admitted undergraduate students for the new stage in their life by facilitating a smooth transition from their home and school environment into the college and university environment through various discussions and activities. The Purpose of the Human Value Based Student Induction Program is to learn help the new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self-exploration.

### **Workshop on EDII-Problem Solving, Ideation & Innov**



To increase the innovation capacity of Micro, Small, Medium Enterprises and Start-ups and to turn ideas into innovative products or services which are commercially viable

### **Industrial Visit**



The students of 3rd IT from St.Xavier's Catholic College of Engineering grabbed the opportunity to visit The IT company, Srishti Innovative at Technopark Trivandrum on 04-11-2022. A group of 41 students with 3 staff members had visited it. The Technopark campus was huge and green. The campus motivated many of us to work there. Inside the campus, the team visited the company Srishti Innovative. Students attended the seminar on various topics like Software Testing, Why Software Testing?, Automated and Manual testing and Use of Python Programming, which gave us clear ideas about what software testing is and various methodologies. After the seminar, the head recruiter thanked the team and wished them to become aspiring IT professionals in the future. The students got an idea about the atmosphere and experiences that was gained as IT professionals

### **Seminar on Career Opportunities in Civil Engg**



Mr. Kumaresan, proprietor of Vibrant NDT service pvt ltd, shared about the career opportunities in Civil Engineering. The session was very useful for the students.

### **PATW KKLN To Create Innovative Idets**



On 4th November we conducted an PATW competition -IET KKLN. The registration process started by 9 a.m. The inauguration function started with the prayer song and welcome dance. The welcome address was given by Dr.M.Marsaline Beno, IET KKLN Secretary. PATW Briefing was given by Er.Bright Regnold Raja, CCSA Member. The presidential address was given by Dr.S.Joseph Jawahar,IET KKLN Chairman. The competition started by 10.15 am.The students from other colleges showcases their idea using their presentation skills, communication skills and also in which stream they are focusing on .

### **Industrial Visit**



The third year mechanical engineering students underwent an Industrial visit to the Sun press industry, Madurai and wind generating station, Kayathar on 03/11/2022 to correlating ideas based on their subject. Mr. Tittu George and Mr. Anitto Joe Xavier accompanied with the students.

### **Seminar Digital Marketing Jobs in 2023**



The Chief guest Mr. N.R. Raghav Narayanan (Director & Founder Vollmond Academy E-Learning platform). He gave an excellent talk about the job opportunities after the graduation and about the situation of the students after the pandemic

### **Drug abuse prevention among youth**



In order to create awareness among the students regarding drug abuse prevention, a half day seminar on” Drug abuse prevention among youth” was conducted on 29-10-2022.Rev.Fr. John Benhar, Director of Puthuvasantham Addiction Treatment Ministry, Kuzhithurai Diocese, Tholayavattam, Kanyakumari District has been consented as the resource person for the day.

### **seminar on being nature friendly**



This seminar depicted the responsibility of ecologist to protect the living creatures. Resource person clearly explained the importance of conserving the environment, usage of plastic and their effects in an enthusiastic manner. As the part of the seminar, the resource person conducted the musical chair competition and quiz competition. The certificates were distributed to the quiz winners. The activities which were conducted and the way of presentation were very impressive. The members of eco club realized their role to preserve the environment.

### **Scientific Temper**



The NSS units of St Xavier’s Catholic College of Engineering have organized an awareness program for young volunteers on 29<sup>th</sup> Oct 2022. About 67 NSS volunteers actively participated in the seminar. The program began at 1.30 pm. The chief guest of the day was Mr. Sasikumar (State Executive Member of Tamil Nadu Science Forum). The Topic of the

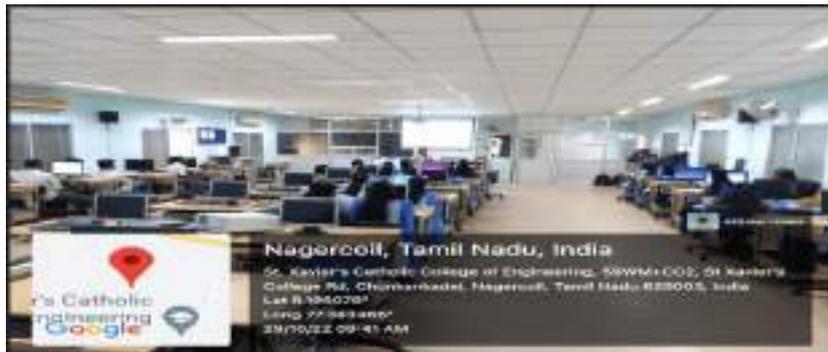
seminar was “Scientific Temper”. The seminar aims to inculcate scientific thinking, appreciate scientific development and drive away superstitions. The program came to an end by 3.30 pm.

### **Debate on Mobile phone usage**



The Debate about Mobile phone usage was conducted to make use of it in right way at right places by students and others.

### **Workshop on Machine learning and Colab**



A workshop on Machine Learning using Colab was conducted for the members of ISTE student chapter on October 29th, 2022(Saturday) from 9am to 12.30pm at VLSI lab/SXCCE. The resource person was Dr. R. Barona/Asst.Prof/CSE Dept/SXCCE. In this workshop, students get to know about Machine learning, classification, examples and applications of Machine Learning in the day to day life. A hands-on training session was conducted for the students in order to implement Machine Learning using Colab. In this event, 30 students of various departments were participated.

### **Workshop on Aerodynamic Design (Day-1)**



Mr. Gold Suganth gave a workshop on Aerodynamics design.

### **Artificial Intelligence using javascript**

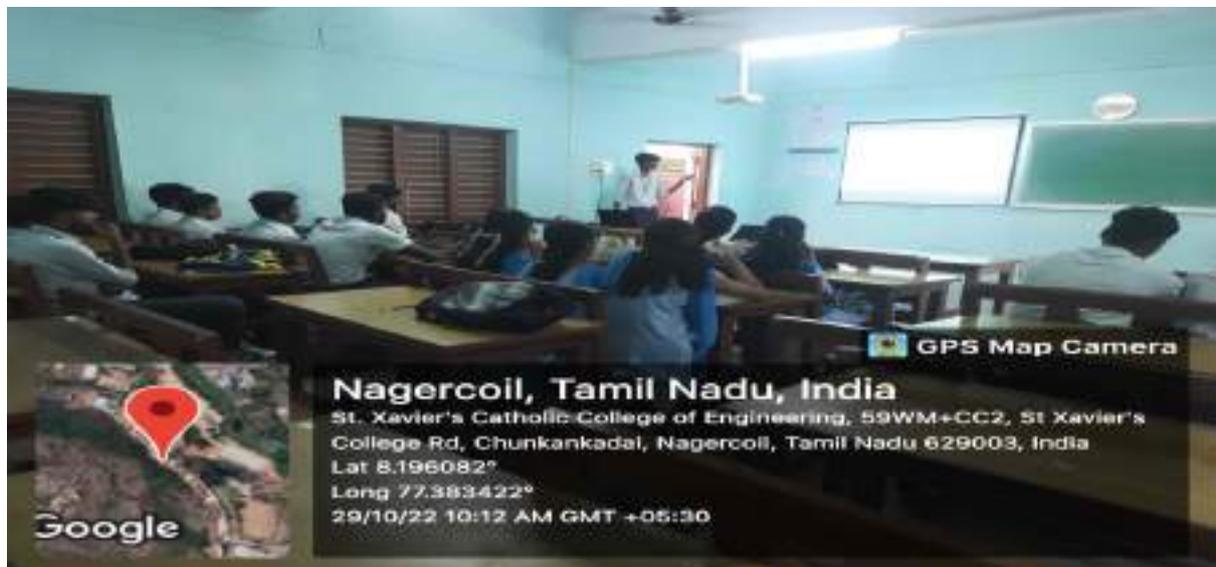


On October 29, 2022, between 9:00 a.m. and 12:15 p.m., the Computer Society of India conducted a workshop on "Artificial Intelligence Using Javascript." The lecture in this workshop was given by Mr. Ajin, CEO at Bitzburg, a UI/UX developer. They spoke all about how to write ML functions using common web-scripting languages. He focused on the use of ML libraries, and the use of artificial intelligence in web applications. We received a good response from the audience, and they also gave very good feedback.

### **hands on training**



### Seminar-Nano Technology ,Drone Technology



The technical seminar was given by Dr.C.Sheeja Herobin Rani (AP/ECE) on the topic “NANO TECHNOLOGY “.The technical seminar was given by Mr. M. Dinesh Singh , final ECE A on the topic “Drone Technology”. Bothe the sessions were effective.

### Orientation on Career Build up and Objectives



Mrs. Anu, Founder CAD Marthandam gave Orientation on Career Build up and Objectives.

### **Book Talk**



The Book Talk event was held on 29th of October 2022. The welcome address was given by Mr. M. Vijay (III Year MECH). The Book Talk was given by the student members. Our Correspondent Rev.Fr.Dr.M.Maria William gave the presidential address and motivated the students to read the books.

### **Workshop on Entrepreneurship and Innovation: A Car**



To motivate and encourage students to imbibe and inculcate the spirit of entrepreneurship in their day to day pursuit.

### **Orientation Program on BIM**



Mr. A Lenin, Founder, BIM solutions, Nagercoil gave idea on BIM for the second and final year students of Civil Engineering department.

### **Industrial Visit**



IET have organized an industrial visit to a leading IT company to bangalore on 27th October 2022 and 28th October 2022. The visit was attended by around 50 students from different branches of engineering,the industrial visit was an excellent learning experience for us. We were able to see how the theoretical concepts we had learned in the classroom were applied in the real world. The visit helped us understand the importance of software development, testing, networking, and data management in the IT industry

### **Industrial Visit**



The 3rd year EEE students were taken to North Chennai Thermal Power Station and Shanthi Enterprises at Industrial Estate, SIDCO Industrial Estate, Thirumudivakkam, and Chennai on 27-10-2022 and 28-10-2022. 29 students (Out of 35 in III EEE) participated in the Industrial Visit accompanied by 2 faculties (Prof.Almond D'Souza and Prof.S.A.Anuja). students gained knowledge about the sites.

### **Industrial Visit to Kudankulam Power Plant**



The Department of Civil Engineering organized an Industrial Visit for the II year Civil Engineering students accompanied by 3 faculty. The visit was to the Kudankulam Power Plant. The students were explained about the processes carried out in the power plant. The students witnessed the working of a model reactor unit. A clear explanation on waste disposal and management was given to the students. The students gained practical knowledge on the construction and processes of power plant. The visit was very interesting and informative to get a practical exposure on the construction and quality control processes of variety of constructions.

### **Technical talk & Project Presentation**



The tech talk was given by Ms. Fathima Shapna Aashme.Y, Prefinal ECE A on the topic “Honey Pots “The project talk was given by Pratheeba S Prefinal ECE B on the topic “Driver Drowsiness Detecting System“. The sessions were very informative.

### **IEEEExtreme 16.0**



The event provided a platform for participants to demonstrate their problem-solving prowess and coding skills in an intense and challenging atmosphere. Amidst the excitement, renowned programming expert Benny Jackson's presence added an extra layer of inspiration, as he delivered a captivating speech on competitive coding and problem-solving techniques. As the clock started ticking, participants delved into a series of complex programming problems, racing against time to find optimal solutions. The 24-hour duration intensified the challenge, pushing participants to their limits and fostering an atmosphere of adrenaline and determination. The IEEEExtreme 24-hour programming competition at St. Xavier's Catholic College of Engineering was an exhilarating celebration of coding excellence. The presence of esteemed guest speaker Benny Jackson added an inspiring touch, motivating participants to reach for the stars in their coding journeys. As the participants departed with cherished memories and newfound insights, the event's impact will continue to resonate, inspiring a generation of programmers to embrace challenges, collaborate effectively, and excel in the world of coding.

### **Industrial Visit**



Mechanical Engineering students were taken for a site visit to National Institute of Wind Energy, Kayathar and Sun Pressing Private Ltd., Madurai was organised by the Department of Mechanical Engineering, St. Xavier's Catholic College of Engineering on 21<sup>st</sup> Oct, 2022. A group of 109 students got an opportunity to learn the basics of manufacturing and assembly. Accompanied by Faculty members Mr. J. Gnana Rajan (Assistant Professor), Mr. D. X. Tittu George (Assistant Professor), Mr. Maria Jebin M (Assistant Professor), Mr. Gold Suganth (Assistant Professor) and Mr. S. Jehan (skilled Assistant). The group reaches to National Institute of Wind Energy, Kayathar at 9.00 am. Mr. Hassen, General Manager, National Institute of Wind Energy, welcomes us and taken to the field. There, Mr. Haseen practically explained the different types of wind turbines viz. single blade turbine, two blade turbine, three blade turbines and gear assemblies etc.

### **3D Printer in Automotive Industry**



A workshop on 3D printer in automotive industry was conducted for III year mechanical engineering students on 20/10/2022 by Er.M.Vinish, CAD Engineer, CAD Desk. The students learnt many things about 3D printing in automotive industry. The training was good and very clear and in simple manner, so every student can understand the basic instructions very quickly. Though it is an educational class the students enjoyed it and actively participated to it and learnt many things. This class was conducted with the support of total support of faculty members of SXCCE. In a total of 198 students participated interestingly and learnt about 3D printing in automotive industry elaborately.

### **Industrial Visit to Cochin**



Civil Engineering students were taken for a site visit to Cochin harbor. Students gained practical knowledge on the structural elements and components there.

### **Technical talk-Machine Learning**



Seminar was given by Mr. M. Dinesh Singh, final ECE A on the topic “Machine Learning” In the Seminar presentation the basic concept of machine learning .Machine learning is a branch

of Artificial Intelligence and computer science which focuses on the use of data and algorithms to imitate the way that humans learn, gradually improving its accuracy. A Machine Learning system learns from historical data, builds the prediction models, and whenever it receives new data, predicts the output for it. Students gave good feedback on the session.

### **Orientation and Motivation**



Mrs. Jareefa DEO Nagercoil gave a talk on the importance of education. Students were highly motivated by the session.

### **Quantitative Aptitude, Logical Reasoning Training**



The trainer from Innate institute Chennai gave ideas in Quantitative Aptitude, Logical Reasoning and the students found it more fruitful.

### **Industrial Visit**



The students of 2<sup>nd</sup> year CSE-A and B were taken for an industrial visit to Vikram Sarabhai Space Centre located in Trivandrum Kerala. The visit was to teach the students about the Indian Satellites and the Rockets launched by India and the history of how that place was developed. The visit was attended by 116 students who were taken to that location by bus.

The Industrial Visit as a whole was fascinating and the idea to take the students was a majestic plan, since it taught all the students about the history of the Indian Space Centre and about the specifications of the rockets launched. The visit must have been so useful for the students who want to improve their knowledge of space research.

### **Seminar on skill development for civil engineering**



S.Saravanan, G.Sokkanathan ,V.P.Ram jeganath, resource persons, made Effective sharing of knowledge on latest construction practices and technologies among students. The sessions were very informative.

### **Energy management conclave**



As a part of IEI Tamil Nadu State Centre Centenary celebration, IEI Kanyakumari Local Centre also conducted 100 Hrs TNSC Techno Carnival on 10-1&2022 from 9.30 am onwards at St. Xavier's Catholic College of Engineering, Nagercoil, based on the main theme 'Sustainable Development of the Nation - The Role of Engineers'. IEI Kanyakumari Local Centre in association with IEI SXCCCE Student chapter and EnSAV club conducted the Technical session under the theme "Energy Management Conclave for Sustainable Development'. Six Guest Speakers made it possible by choosing six different topics

### **Forecast Your Future**



The resource person educated the use of Maplogik, an analytical software application. They emphasized that this app ability to bridge the gap between the industries and the academia. The application mainly focuses on upgrading the co-curricular skills of the students to match them with the current trends required by the industries, thereby mapping the right talents with the right skills for the right job roles.

### **Competitions in view of Gandhi Jayanthi**



In view of Gandhi Jayanthi and to honour our 75 years of Independence - Azadi Ka Amrit Mahotsav, Jyothis,, Malayalam Literary Association conducted Essay writing, Poetry writing and Elocution competitions on 08-10-2022 at Einstein Seminar hall. The theme selected was 'Clean India'. The event started at 1pm and came to an end at 2.30pm. 8 students participated in all the three events.

### **Health Awareness**



The programme gave health awareness related to cancer, prevention of anemia and PCOD and its management.

### **PATW SXCCE**



On 8th October we conducted an PATW competition - SXCCE. The registration process started by 9 a.m. The inauguration function started with the prayer song. The welcome address was given by our IET Secretary Mr. S.Esmond Tony(IV CSE). Chief guest introduction given by our IET on campus , Treasurer H.Manfred Nelvin(IV MECH). Chief Guest Address was given by Dr.M.Marsalline Beno , IET KKLNhe students showcases their idea using their presentation skills, communication skills and also in which stream they are focusing on .

### **AI based chatbot development**



The computer society of India organized a Workshop on “AI based Chabot Development” on 08/10/2022 between 09:00AM to 04:15 PM. The lecture in this Training was given by Ms. Angel A, Senior Software Developer and Mr. Ajin.K , Junior PHP Developer Cloverworld technologies. They spoke all about how to build an intelligent chatbot with conversation design. We received good response from the audience and also they gave very good feedback. The resource person thanked the organizers for arranging the live training.

### **Introduction to Networking**



BRIGITZ organizes the enrichment program on the topic “Introduction to Networking” by Ms.J.Antony Reeta, Network Systems. Totally 57 students were benefited. Students were able to understand the concepts of Networking and its applications.

### **Seminar**



St. Xavier’s Catholic College of Engineering organized a seminar on “Employability Skills for MBA Graduates” for the department of Management studies on 7<sup>th</sup> October 2022. The

session was held in the seminar hall in the Albert Einstein block. Mr. Allwyn Henry, Assistant Manager Global Network support at Hafele India Private Limited, started off the session with a PowerPoint presentation, elaborating on what employability actually is. Moreover, he spoke about the qualities essential for a candidate to have when attending an interview, and to be a competent manager in general. He then discussed about traits such as motivation, good communication, empathy, self- awareness, self- regulation, leadership, etc

### **Course related visit to Water Filter House**



The Department of Civil Engineering organized a course related visit for the II and III year Civil Engineering students accompanied by 4 faculty. The visit was to the Water Filter House at Nagercoil and the Mukkadal Dam as a part of their subject to get a practical exposure on the water treatment process and water intake structure.

The visit was related to the courses "Water Supply and Wastewater Engineering" for II year students and "Water Supply Engineering" for III year students. The students gained practical knowledge on water purification process at the filter house. The step by step process of water purification process was clearly explained to the students. The students witnessed the water intake structure and its components located in Mukkadal Dam.

The visit was very interesting and informative

### **Devops / MLops**

**Online Webinar**

Webinar on  
**Devops/MLOps**

Date  
**26<sup>th</sup> September 2022**  
Time  
**07.00 PM**

**Mr. Raja CSP Raman**  
Research Lead, TactLabs, Canada.

Registration Link : <https://forms.gle/A9cCL8v515Y4wL2U9>

ICC has organized a webinar on “Devops/MLOps” by online mode on 26th September 2022. The main objective of the webinar is making the awareness about the Devops/MLOps, its importance and future scope. The program was conducted on 26th September 2022 at 7.00 PM by online mode. The resource person of this program is Mr. Raja CSP Raman, Research Lead, TactLabs, Canada. The welcome address given by Mr. J. Bright Jose , IICC coordinator, SXCCE. The resource person delivered a brief introduction about common IT problems, need of Devops/MLOps, prerequisites for that field, Open source software components and its benefits to the IT community, Programming Languages Supports, Database Language, Certifications on the specific fields, Devops/MLOps supporting platforms, student employability skills, internship and mentorship programs at TactLabs. A total of 51 students (II,III,IV year CSE and IT) attended the program. The program was interactive and very informative to our students.

### **Career guidance for Mechanical Engineers**



An awareness program for Career Guidance was conducted for IV year mechanical engineering students on 29/09/2022 by Mr.S.Kumaresan, Vibrant NDT services pvt.ltd. Career counseling is a domain of counseling that focuses on helping individuals to find the right career pathway. In career counseling the individuals receive guidance from professional counselors that provide expert advice on the potentials, aptitude, motivations, skills and

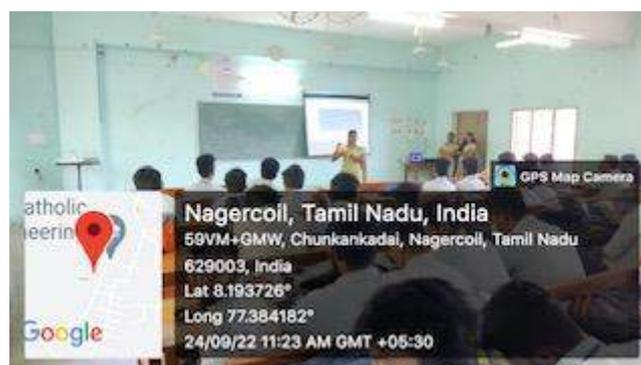
shortcomings with the use of carefully designed assessment tools. The students were explained about GATE & importance of it. The Job opportunities available for GATE scores were explained. He also explained about the importance of online career test to understand the right industry or read about various career options to get guidance on what to study. The program gave a good awareness to the students and an in- depth knowledge about career guidance. This class was conducted with the support of total support of faculty members of SXCCE. In a total of 107 students participated interestingly.

seminar



St. Xavier's Catholic College of Engineering (SXCCE) organized a one day Seminar. On "Group Taxation: Transfer Pricing" on September 27, 2022 for Department of Management studies in MBA classroom hall. The seminar focused on transfer pricing which sheds light on the taxation levied for the imported goods.

### **Awareness Program on Fire and Safety**



A seminar about 'Fire and Safety' was held on 24.09.2022 for third and final year mechanical engineering students. The main objective is to provide Quality training, excellent support of learning in safety courses and to gain excellent rapport between the learners by guiding them in prominent way of achieving the success rates. To contribute the enhancement of placement

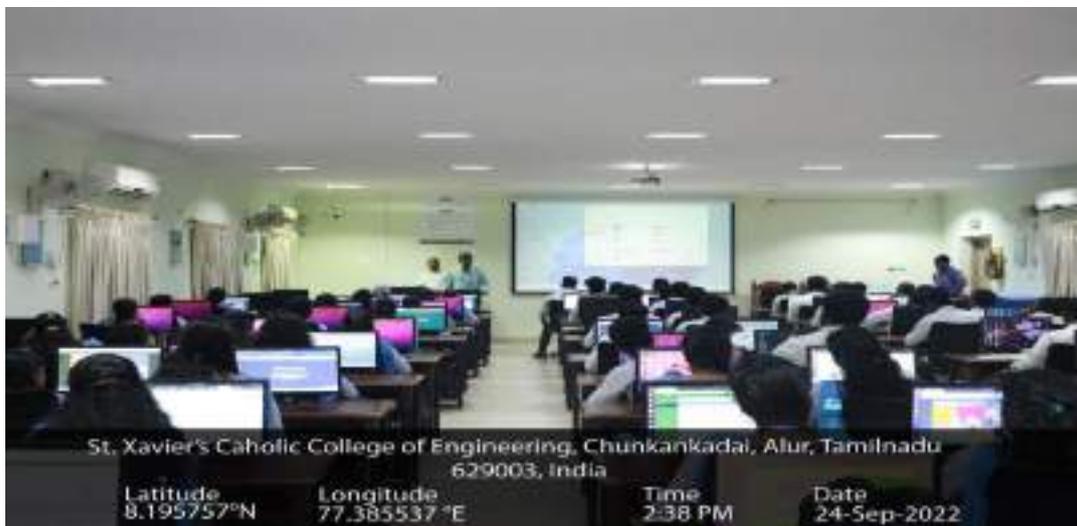
for our learners that helps to enrich their future. The motto is to produce numerous nourishing future job opportunities to our students in safety field.

### **Seminar on key for a Successful Living**



A Seminar on ‘Key for a Successful Living’ was given to second and third year mechanical engineering students by Er. R. Aspren, Joint Proprietor, Velankanni Matha Sawmill, Nagercoil on 24<sup>th</sup> September 2022. About 108 students participated in it. This discussion includes identify the emotional triggers and how to control it.

### **Motivation towards Entrepreneurship**



The seminar on “Motivation towards Entrepreneurship” by Mr.R.Ratheesh, Managing Directore, Ranu Food Products, Valliyur on Saturday 24th September 2022 at 02.00 p.m in the IT Lab for both II and III Year IT students. Totally 69 students were benefited. Students get motivated to become entrepreneur by using their skills and attitude.

### **Seminar on Job Streams in IT**



The career guidance program on the topic “Job Streams in IT ” by Mr.Ajay Nagaraj(Alumni), Junior Engineer, L&T Mindfree on Saturday 24th September 2022 for both III & IV Year students. Totally 54 students were benefited. Students get motivated to get jobs in IT industries.

### **Seminar on Recent Developments in Soil Mechanics**



A seminar "Recent Developments in Soil Mechanics and Foundations" was organized by the REACH association. The session was addressed by Dr. S. Sherlin Prem Nishold. The session initiated with the fundamentals of Soil Mechanics and Foundations. The explanation on various soil tests, including by what means a distinct soil affect the Soil Mechanics was discussed. The different types of foundations were briefed. The session moved further with the various advancements in the field of Civil Engineering that effect the improvement of the soil. The keynote address was concluded with the illustration of the various projects operated by the resource person. Following this speech, there was a wonderful interactive session where the audience interacted with the speaker clarifying their doubts and asking interesting questions. The successful program ended around 1:00 pm.

### **Seminar on Software in Construction Industry**



The resource persons for the seminar were from CAD DESK, Nagercoil. Mr. Babstin illustrated about the fundamental courses offered by them and their benefits. Later, Ms. Jeba Stalin provided detailed information about their services and how the software skill can be utilized in the construction field. His explanation about the software was more informative for the students and the session was interesting. A willingness form was given to the students at the end of the session for students who are interested to join in the courses.

### Technical Quiz



The department of civil engineering organized a technical quiz competition to impart technical knowledge in the students.

### Career Guidance and Entrepreneurship



A seminar on “Introduction to career guidance and Entrepreneur” was held on 24th of September 2022 at St. Xavier’s Catholic College of Engineering. It was organized by Society of Electrical Engineers (SEE). The seminar started at 09:00 AM. The objective of the programme is to help the students to choose the right career path based on their educational and professional choices. It is a quantitative and qualitative assessment of knowledge, skills, information and experience to identify career options available. The seminar was attended by Second year, Third Year, Final year Electrical and Electronics Engineering students

### **Industrial Automation & Career Connect**



A seminar on “Introduction to Industrial Automation & Career Connect” was held on 24th of September 2022 at St. Xavier’s Catholic College of Engineering. It was organized by Society of Electrical Engineers (SEE).The objective of the seminar is to introduce the latest technologies used in power system Automation and to build career guidance for the students. The seminar was attended by Second year, Third Year, Final year Electrical and Electronics Engineering students.

### **Embedded Systems and Project Guidance**



A seminar on “Introduction to Embedded Systems and Project Guidance” was held on 24th of September 2022 at St. Xavier’s Catholic College of Engineering. It was organized by Society of Electrical Engineers (SEE)The objective of the seminar is to introduce the latest technologies used in embedded system and to build project guidance for the students. The

seminar was attended by Second year, Third Year, Final year Electrical and Electronics Engineering students.

### **Introduction to PLC/SCADA & Career Connect**



A seminar on “Introduction to PLC/SCADA & Career Connect” was held on 24th of September 2022 at St. Xavier’s Catholic College of Engineering. It was organized by Society of Electrical Engineers (SEE). The seminar started at 01:00 PM. The objective of the seminar is to introduce the latest technologies used in power system and to build career guidance for the students. The seminar was attended by Second year, Third Year, Final year Electrical and Electronics Engineering students.

### **Introduction to Professional Development Skills**



A seminar on “Introduction to Professional Development Skills(Data Science)” was held on 24th of September 2022 at St. Xavier’s Catholic College of Engineering. It was organized by Society of Electrical Engineers (SEE). The program was started at 2:45 PM. The objective of the seminar is to introduce the data science and its applications and thereby build career guidance for the students. The seminar was attended by Second year, Third Year, Final year Electrical and Electronics Engineering students

### **Effective Communication**



On September 24, 2022, ELECTROS organized a seminar for the second-year ECE students on "Effective Communication." The seminar was conducted by Dr. R. James Ligorias, M.A., M.Phil., Ph.D., a professor at St. Xavier's Catholic College of Engineering. Overall, the seminar was very informative and beneficial for the students. The resource person provided practical tips and techniques for effective communication, which will undoubtedly help the students in their personal and professional lives. The training and practice exercises also helped the students gain confidence in their communication skills.

### **Guidance for Competitive Exams**



On September 24, 2022, ELECTROS organized a seminar for the second year ECE students on "Guidance for Competitive Exams." The seminar was conducted by two resource persons, Mrs. I. Jenila, CEO, and Ms. Shiqnaz Anas, from Radiance IAS Academy.

To help students prepare for the exams, the resource persons shared some valuable tips and strategies for cracking the exams. They stressed the importance of time management, effective study habits, and staying focused on the goals. They also encouraged the students to improve their communication skills and to be confident in their abilities.

### **Overview of Microcontroller**



On September 24th, 2022, a guest lecture on "Overview of Microcontroller" was organized for second-year ECE B students at our institution. The lecture was aimed at providing students with an overview of microcontrollers and their applications in various fields. Er. K.Gomathisankar, an advanced consultant engineer at Capgemini Engineering, was invited as the resource person for the lecture.

### **Seminar on Communication in Future**



On September 24, 2022, ELECTROS organized a seminar for the second-year ECE B students on "Communication in the Future." The seminar was conducted by Er. Britto S. V., Junior Telecom Officer from Nagercoil. The seminar focused mainly on 5G networking, one of the trending technologies in recent days. The resource person discussed how his office is working towards implementing 5G connections in our surroundings and how this will revolutionize communication. The students were given an insight into how 5G networking works and what the purpose of shifting from 4G to 5G communication is. In addition to 5G networking, the seminar also touched on other important communication tools, such as satellite communication, fiber optics, and the internet of things (IoT). The students were given a glimpse of the future of communication and how it will impact our lives.

### **Seminar on PLC & SCADA**



On September 24th, 2022, a seminar on "PLC & SCADA" was organized for final-year ECE students at our institution. The seminar was aimed at providing students with an overview of Programmable Logic Controllers (PLC) and Supervisory Control and Data Acquisition (SCADA) systems, which are widely used in industrial automation. Mr. G. Renjith, a Business Development Executive from Thiruvananthapuram, was invited as the resource person for the seminar.

The seminar began with an introduction to PLC and SCADA systems. The resource person explained the basics of PLC and how it is used to control and automate industrial processes. He also explained the advantages of using a PLC over traditional relay-based control systems. The students were fascinated to learn about the various applications of PLC, such as in manufacturing, transportation, and energy systems.

#### **Seminar -Professional Development/Data science**



On September 24th, 2022, a seminar on "Data Science" was organized for final-year ECE students at our institution. The seminar was aimed at providing students with an overview of data science, including its applications, tools, and techniques. Er. Ankayarkanni Rajendran, a Software Engineer from FORMCEPT, Bangalore, was invited as the resource person for the seminar. The seminar began with an introduction to data science and its importance in today's world. The resource person explained how data science is used to extract insights and

knowledge from data, and how it is transforming various industries. The students were fascinated to learn about the various applications of data science, such as in healthcare, finance, and marketing. The resource person also provided an overview of the various tools and techniques used in data science. The seminar helped them gain an understanding of data science and its applications.

### **Workshop on MATLAB with image processing**



On September 24, 2022, a workshop on "MATLAB with Image Processing Applications" was organized by ELECTROS for third-year ECE students. The resource persons for the workshop were Dr. S. Maria Seraphin Sujitha and Dr. B. C. Preethi, who are both assistant professors at St. Xavier's Catholic College of Engineering.

### **Workshop on Photoshop**



On September 24th, 2022, a workshop on "Photoshop" was organized by ELECTROS for second-year ECE A students at St. Xavier's Catholic College of Engineering. The workshop was aimed at providing students with practical knowledge of Photoshop and its usage in photography. Er.J.B. Asweanth, a renowned photographer from Cruise Ship Photography, U.S.A., was invited as the resource person for the workshop

The workshop began at 9:00 AM with an introduction to the basic concepts of Photoshop, such as layers, filters, and tools. Er.J.B. Asweanth demonstrated the usage of these concepts

in image editing and manipulation. He also explained how to use Photoshop for correcting color, adjusting exposure, and removing unwanted elements from images. The students were amazed to see the various possibilities and creative opportunities that Photoshop provides in the world of photography.

### **Workshop on Verilog HDL**



On September 24, 2022, ELECTROS organized a seminar for the final year ECE students on "Guidance for Competitive Exams." The seminar was conducted by two resource persons, Dr. Y. R. Annie Besant C, and Mrs. V.Femila Savio, Assistant Professors of Electronics and communication at St.Xavier's Catholic College of Engineering. The seminar started with an introduction to Verilog HDL, which is a hardware description language used for designing digital circuits. The resource persons explained the importance of Verilog HDL in the field of digital design and how it is used to describe the behavior of digital circuits. She then gave a brief history of Verilog and how it has evolved over the years. The seminar ended with a Q&A session where the students asked questions and cleared their doubts about Verilog HDL.

### **Drug awareness and personality development**



A seminar on “Drug Awareness and Personality Development Program” was held on the 24th of September 2022 at St. Xavier’s Catholic College of Engineering, Einstein Seminar Hall. Totally 79 students participated. It was organized by the Association of Computer Engineers (ACE). The resource person for the seminar was JFM. Adv. A. Antush Jerome, Zone Vice President 2019. The objective of the seminar was to help young minds understand the side-effects of drugs and their impact on life. He asked the students to come forward to introduce themselves and explained that these activities will help boost the student’s confidence.

### **Government Jobs Awareness**



A seminar on "Government Job Awareness Program" was held on 24th of September 2022 at St. Xavier's Catholic College of Engineering, Rock Auditorium. It was organized by the Association of Computer Engineers (ACE). The resource person for the seminar was Mr. K Febin Ramesh, Assistant Consultant in Tata Consultancy Services. The seminar aimed to help students understand the value of money and job in their personal life.

### **Technical Talk and Project Presentation**



The tech talk was given by Ms. Dahlia Paulette S, final ECE on the topic “Li-fi Technology”The project talk was given by Akhila Babu and Ashika S of final ECE A on the topic “WIRELESS TECHNOLOGY IN DEFENCE “.The seminar ended with a Q&A session where the students asked questions and cleared their doubts.

### **Seminar on Automotive Trends and Innovations**



the Chief Guest address was given by Mr. G. Viswanathan, Proprietor, Sree Ganapathy Motors, Nagercoil. He gave a motivational talk which was useful to the students.

### **How to do project effectively?**



BRIGITZ organizes the seminar on “How to do the project effectively?” by Er.N. Ansgar Mary, AP/IT, Dr.J.Annrose, AP/IT, Dr. D. Hevin Rajesh, Asso.Prof/IT Er. Arul Rex, AP/IT, SXCCE. Totally 25 students were benefited. Students were able to understand the ways to write literature survey, modules and implementation details.

### **Technical Talk& Project Presentation**



The tech talk was given by Mr. Jerovin J , final ECE B on the topic “VLSI Design in Low Power Applications”The project talk was given by Mr. Anto Rohith B, final ECE A on the topic “COGNITIVE SCIENCE AND TECHNOLOGY “.The seminar ended with a Q&A session where the students asked questions and cleared their doubts.

### **Role of Design/Prototype Engineering in MEP Core**



The IICC has organized a seminar on “Role of Design/Prototype Engineers in MEP Core Industries” for the pre-final year, final year students of Civil Engineering, Mechanical Engineering and Electrical and Electronics Engineering departments on 17<sup>th</sup> September 2022. The EEE and Civil department students attended the session from 9.00 am to 10.30 am at EEE seminar hall. The resource persons Er. A. Imran Sheriff, BIM Manager and Er. S. Abuthaheer, Senior Design Engineer from Unique MEP, Chennai gave the presentation on “Role of Design/Prototype Engineers in MEP Core Industries”. During the session the need and importance of EEE, Civil MEP engineers in the construction/building field, software usages in MEP also given. The session was very useful to the students, faculty members of Civil, EEE, Mechanical Engineering and query session was arranged after the webinar.

### **Career Guidance**



A seminar on “Career Guidance” was held on 17th of September 2022 at St. Xavier’s Catholic College of Engineering, Einstein Seminar Hall. It was organized by the Association of Computer Engineers (ACE). The resource person for the seminar was Mr. T Edwin Raj, Director-Loop Spring Technologies and Consultancy Pvt Ltd (Software Development). The objective of the seminar was to help students to choose their career based on their interest.

### **Digital Marketing**



A seminar on “Digital Marketing” was held on 17th of September 2022 at St. Xavier’s Catholic College of Engineering, Computer Lab 2. It was organized by the Association of Computer Engineers (ACE). The resource person for the seminar was Mr. Muthukumar, who is the Digital Marketing Specialist of Zoho, the Senior Paid Specialist of HeyDigital, Europe and the CO-founder of StatPPC PPC agency in Kanyakumari. The objective of the seminar was to help students to gain knowledge about digital marketing who really want a support in their career and to spread awareness about the market trends, skills and to create motivation.

### **IDEA PRESENTATION , POSTER PRESENTATION**



The Idea and Poster Presentation competition was conducted on 17<sup>th</sup> September 2022 at St. Xavier's Catholic College of Engineering organized by the Association of Computer Engineers (ACE).

The objective of the competition was to evaluate the presentation skills and creativity of the participants and test their knowledge beyond academics. There were 7 teams in total for the Poster competition with a count of 13 participants and 4 teams in total for the Idea Presentation with a count of 7 participants. Every team was required to present a poster in a pdf or presentation format which is to be presented in the competition.

### **Quiz, Debugging Competition**



Technical events like Quizzes and Debugging were conducted on 17<sup>th</sup> September 2022 at St. Xavier's Catholic College of Engineering. It was organized by the Association of Computer Engineers (ACE). The objective of the competitions was to evaluate the knowledge of the participants within academics as well as beyond academics. Quiz and Debugging were both compulsory for all the students of the 2nd, 3rd and 4th year of CSE. Everyone actively participated in the competitions

### **UI/UX Design**



A workshop on “UI/UX Design” was held on 17th of September 2022 at St. Xavier’s Catholic College of Engineering, General Computing Lab. It was organized by the Association of Computer Engineers (ACE). The resource person for the workshop was Mr. Sobhin who is the founder and CEO of Rexknar Creative Solutions. The objective of the workshop was to provide students with the knowledge of user-centered design, user-centered methods in design, graphic design on screens, simulation and prototyping techniques, usability testing methods, interface technologies and user-centered design in corporate perspective.

### **Basic of front end technology**



September 17, 2022, ELECTROS organised a webinar on "Basic of Front End Technology" for second year ECE students. The session began with welcoming and introducing the resource person. The welcome address was delivered by faculty advisor assistant professor T.Mary Little Flower. Mr. Sisnious, the team lead in Linga rOS, was the resource person. The students gained knowledge about the coding languages in front end technology, some real-time applications, and steps to follow to be a front end developer. Some basic concepts in coding languages like HTML, CSS, and JavaScript were taught to the students. Topics like the principles of SEO, graphic design applications, and user interfaces were covered in the webinar. The webinar ended with sharing skills and ways to enhance them to become successful front-end developers. At the end of the session feedback was given by a student.

### **Hands on training -PCB Design**



September 17, 2022, ELECTROS organised hands on training on "PCB Design" for third year ECE students. The training was given to students by Mrs. T. Mary Little flower and Mrs.A.Anitha, Assistant Professors of St.Xavier's Catholic College of Engineering.Students were taught about electrical parameters like maximum current, voltages, signal types, capacitance limitations, shielding considerations, and the types and locations of circuit components and connectors. How to use the software platform was also taught to the students. They were assigned to create schematic diagrams in the software platform. Some important rules and regulations to be followed while designing a PCB board were discussed. The session ended by providing some instructions. At the end of the session feedback was given by a student.

### **Hands on workshop on Web Development**



A hands on workshop on "Web Development" was organised by electros on September 17, 2022, for third year students. The resource person was Er. Sobin, REXKNAR Creative Solutions. He interacted with students about the workings of HTML and its user interface. The students learned about creating login pages, Adding background colors, and styling fonts with HTML. The tags used in HTML languages and how HTML works in web development were explained clearly. An introduction to cascading style sheets and JavaScript was provided. All the important web development tools were discussed. The workshop ended with assigning the

students to create a login page using HTML. All the students were actively involved in it. At the end of the session feedback was given by a student.

### **Seminar on personality skills development**



September 17, 2022, ELECTROS organized a seminar on "Personality Skills Development" for second year ECE A students. The resource person was Er. Malavika Nair, HR Associate Sutherland and Er. Jenil C.S Lerneasy.org. They discussed about the essential personality development skills like personal attributes, personality traits , inherent social cues and communication abilities. They also shared the importance of improving these skills which involves the process of self-improvement and focuses on strengthening our knowledge, capabilities and self-awareness to reach your goals. It also involves the tips to follow in an interview. The seminar was very useful and highly motivating. At the end of the session feedback was given by a student

### **Workshop on Data Analytics and project guidance**



A workshop on "Data Analytics and Project Guidance" was organised by ELECTROS on September 17, 2022, for final year students. Er. Abhishek R., the CEO and founder of Chek In Tek Hardware Academy, Attoor, was the resource person. The students were made a clear understanding of various data analysis techniques. How to categorize the information and analyse the behavioural patterns and trends? How to work with Power BI? What is the importance of statistics and computing in Data Analytics? Python functions were provided.

The future of data analytics and how to enhance the skill were also discussed. At the end of the session feedback was given by a student. All the students thanked the speaker with a grateful mind.

### **Workshop on Data science with python**



A workshop on "Data Science with python" was organised by electros on September 17, 2022, for second year ECE B students. Er. Abhishek R., the CEO and founder of Chek In Tek Hardware Academy, Attoor, was the resource person. He gave an brief introduction on Data Structures in python , Formatting in python, Membership operator , Many functions like zip(),Enumerate(), Counter() , Range() , User Defined Functions, List comprehension in python. The students learned a lot about Fundamentals of Data Manipulation with python , Basic Data processing with pandas and Data Representation in python. The future of data science and how to enhance the skills were also discussed.

At the end of the session feedback was given by a student.

### **AI Application Development**



The computer society of India organized a Workshop on “AI Application Development” on 17/09/2022 between 09:00AM to 12:15 PM. The lecture in this Training was given by Ms.Reena R, Ms.Jasmi ugesha Thadeus, Mr.Cinesh Cloverworld technologies. They spoke

all about how to develop addictive applications using augmented reality, virtual reality, and mixed reality with easy and attractive UI/UX design to ensure an excellent end-user experience. We received good response from the audience and also they gave very good feedback. The resource person thanked the organizers for arranging the live training.

### **WEB3 Application development using blockchain**



The computer society of India organized a Workshop on “Web3 Application Development using Blockchain” on 17/09/2022 between 09:00AM to 12:15 PM. The lecture in this Training was given by Mr.T.P Akhil Jinu, Backend developer at Versasoft solution. He spoke all about how to develop a web3 app, create a project, deploy it in production, write smart contracts, unit test them, and create a user interface for them. He focused, this training aimed at student and professionals who want to build a solid career in Front-end web development. We received good response from the audience and also they gave very good feedback.

### **Poster Presentation on Recent Trends in Electrical**



A competition of “Poster Presentation on Recent Trend in Electrical Engineering” was held on 17th of September 2022 at St. Xavier’s Catholic College of Engineering. It was organized by Society of Electrical Engineers (SEE). The competition started at 9:30AM. The objective of the competition is to enhance the students to develop the technical skills through poster presentation on the topic “Recent trends in Electrical Engineering” and to build carrier guidance for the students. The participants were Second year of EEE department.

### **seminar on job opportunities in core companies**



A seminar on “Introduction to MEP” was held on 17th of September 2022 at St. Xavier’s Catholic College of Engineering. It was organized by Society of Electrical Engineers (SEE). The program was started at 9:30 AM. The objective of the seminar is to introduce the latest technologies available for mechanical, electrical and civil engineering students and to build career guidance for the students. The seminar was attended by Third Year, Final year Electrical and Electronics Engineering students.

### **Seminar on Job Oriented Electrical Software**



A seminar on “Electrical Software & Career Connect” was held on 17 th Sep 2022 at St. Xavier’s Catholic College of Engineering. It was organized by Society of Electrical Engineers (SEE). The objective of the seminar is to introduce the latest electrical software used in electrical engineering and to build career guidance for the students. The seminar was attended by Second year, Third Year, Final year Electrical and Electronics Engineering students.

### **Intra-department Symposium**



Paper presentation, poster presentation and quiz competition were conducted within the department of civil Engineering.

### **Seminar on Software-based Designing in Civil Engg**



The objective of the seminar is to introduce the software used in construction industry. M.S. Vignesh (Manager), Vinisha (Asst. Manager), Karthick (Tech Leader), CADD Centre, Nagercoil were the resource person. They explained the significance and usage of software's in Civil Engineering.

### **Career Opportunities in IT and Networking**



BRIGITZ organizes the enrichment program on the topic “Career Opportunities in IT Industries and Networking” by Mr.A. David Jegan, High Touch Engineer, CISCO Systems

Pvt. Ltd, Bangalore. Totally 150 students were benefited. Students were able to understand the basic concepts of Networking and opportunities in IT industries.

### **Landing into IT jobs**



The career guidance program on the topic “Landing Jobs into IT Industries” by Mr.Maria Melbin(Alumni), Tech Lead, Accenture, Bangalore on Saturday 17th September 2022 at 02.0 p.m in the Second IT classroom for II Year students. Totally 48 students were benefited. Students get motivated to get jobs in IT industries.

### **React.js**



A hands-on workshop on the topic “React.js” by Mr.Aneesh SP, System Engineer, Infosys on Saturday 17th September 2022 at 02.00 p.m in the IT Lab. Totally 30 students were benefited. Students were able to understand the basic concepts of open source front-end JavaScript React.js and develop user interfaces based on UI components.

### **UI/UX Design**



The seminar on the topic “UI/UX Design” by Mr. A. Ajin and Rexlin Mohan, Bitzberg on Saturday 17th September 2022 at 02.00 p.m in the Final IT classroom. Totally 37 students

were benefited. Students were able to understand the basic concepts of user interface design and able to create interactive user interface.

### **Engineers Day Seminar**



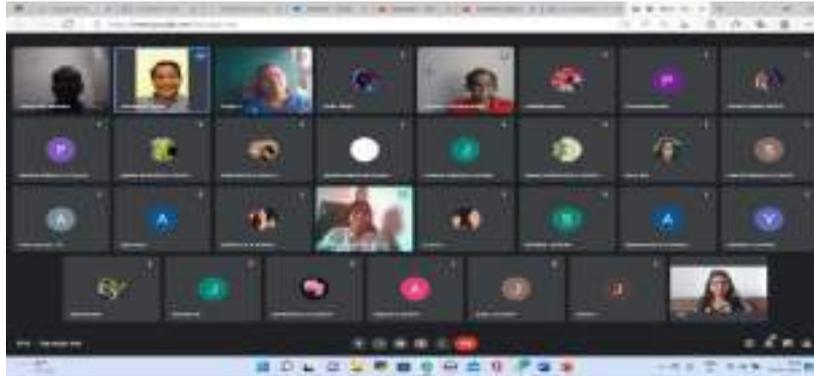
Er. A. Lawrence Walter, M.E. (Structural), Proprietor, Walter Engineering Constructions, Tirunelveli shared the various dynamics in civil engineering and the enormous job opportunities in it. All the students of the department participated in the session and was very fruitful.

### **Employability Skills Development**



A seminar on “Employability skills development” was organized for the final year ECE students on 10/09/2022 by Er. A. Axilium Jaya Mary, Operational Director of Tamil Nadu Transmission Corporation. In this session, the speaker mainly taught us about the how to face campus interview with our own skills and how to develop new skills. She also gave us certain tips to present a resume while we are attending an interview. SAAt the end of the session feedback was given by a student. All the students thanked the speaker with a grateful mind.

### **Python with AI**



A seminar on “Python with AI” was organized for the second and third year ECE students on 10/09/2022 by Mr. Jebamony Mathias, Chief Executive Officer and Mrs. Banurekha, Senior Software Engineer of Step Software Solutions Pvt. Ltd., Chennai. They gave the idea about Artificial Intelligence and Python. All the students thanked the speaker with a grateful mind.

### **Resume Building & Interview Preparation**



Mr. S Arunachalam, Innate academy, explained each component of resume and its role. Students were trained effectively for facting the interview.

### **Career Skills Development**



A seminar on “Introduction to Industrial Automation & Career Connect” was held on 24th of September 2022 at St. Xavier’s Catholic College of Engineering. It was organized by Society of Electrical Engineers (SEE).The objective of the seminar is to introduce the latest technologies used in power system Automation and to build career guidance for the students. The seminar was attended by Second year, Third Year, Final year Electrical and Electronics Engineering students.

## Introduction to SCADA/HMI & Career Connect



A seminar on “Career Skills Development” was organized for the final year ECE A and B section students on 02/09/2022 (Friday) by Er.V. Nivinth Raj, EA-New Business Initiatives. . Career Skills are the ability that enable to do the job and to manage the career. The session was dedicated at guiding students in making better choice in all domain of their interest including information and security and also gives to them the information of the possible upcoming opportunities in both the government and the private sector. It made an excellent platform to make strong and intelligent decisions for their careers. At the end of the session feedback was given by a student. All the students thanked the speaker with a grateful mind.

## Workshop on Opportunities in Innovation, Design



To encourage the students in research and development in the domain of space, science and technology. Workshop on Opportunities in Innovation, Design/Prototypes in Space Technology was conducted. Students felt the workshop useful.

## Special Program



The role of ground station system engineer in the development of future satellite system was educated effectively.

### **Soft Skills Development**



A seminar on “Soft Skills Development” was organized for the final year ECE A and B section students on 18/08/2022 (Thursday) by Dr. A. Albert Raj, Professor Sri Krishna Engineering College, Coimbatore. Soft Skills is a very popular term nowadays, used to indicate personal transversal competences such as social aptitudes, language and communication capability, friendliness and ability of working in team and other personality traits that characterize relationships between people. During the session the students were motivated with certain real life examples. The examples were so good to connect the concept and the real scenarios. At the end of the session feedback was given by a student. All the students thanked the speaker with a grateful mind.

## **Har Ghar Tiranga**



As a part of Azadi Ka Amrit Mahotsav, Ministry of Culture initiated 'Har Ghar Tiranga' hoisting National flag in all houses from 13-08-2022 to 15-08-2022. Our cadets actively participated in this drive. Our Principal Dr. J.Maheswaran distributed the flag to cadets on 12-08-2022. Thirty four cadets and the ANO unfurled National flag in their residences took selfie and uploaded in the portal of Ministry of culture, Government of India. Certificates were also downloaded from the website.

## **Student Induction Program**



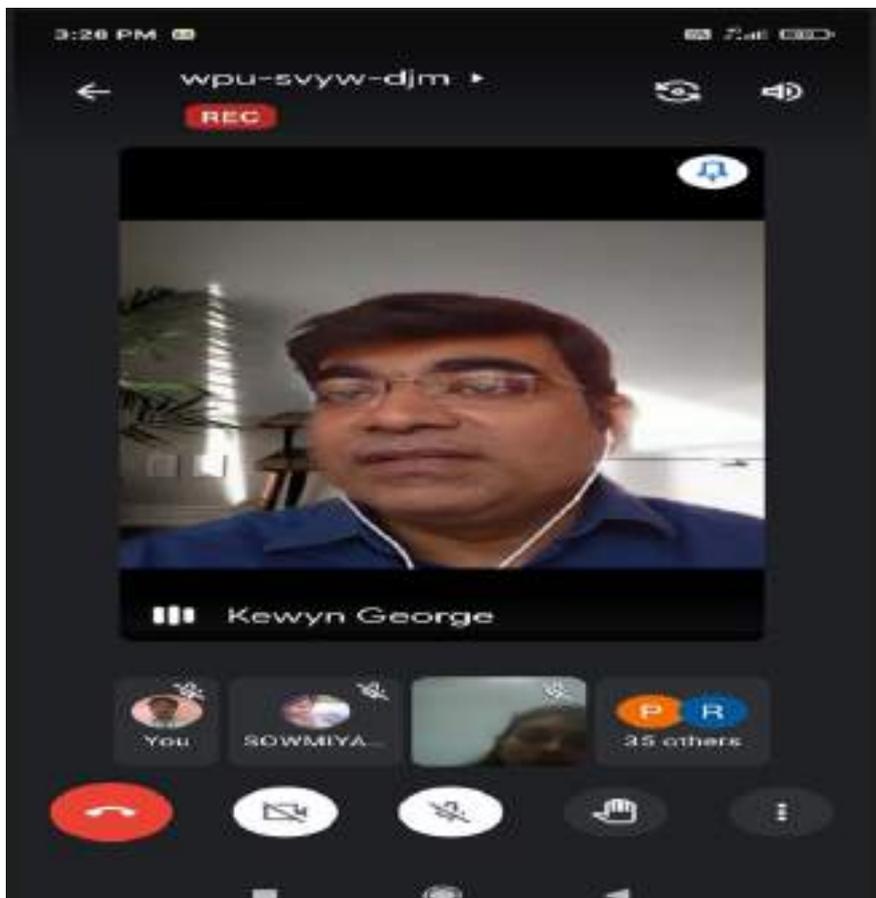
The objective of the course is to help the students feel comfortable in the new environment and adjust to the customs and practices of the college. Student Induction Program engages with the new students as soon as they come into the institution before regular classes start. At the start of the induction, the incumbents learn about the institutional policies, processes, practices, culture and values. Nearly 30 faculty members handled the classes for the students.

## **Cognizant Company Specific Training - 5 days**



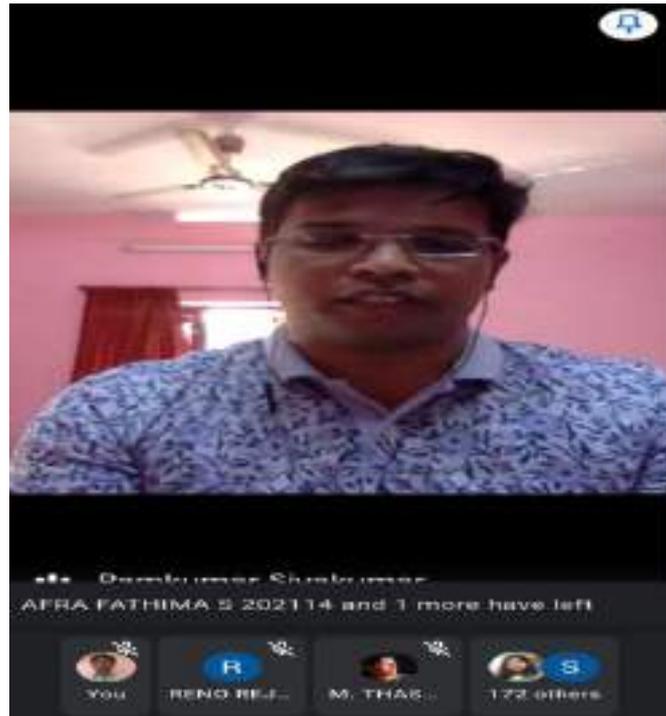
The Cognizant company specific topics in Quants, Logical and verbal were discussed in this 5 days program. More examples problems were dealt and doubts were clarified. Each day assessment was conducted and evaluated by the trainer to analyze the understandability of the students. This bridge the gap between the students skill set and the industry needs.

### **Workshop on Accelerators/Incubation-Opportunities**



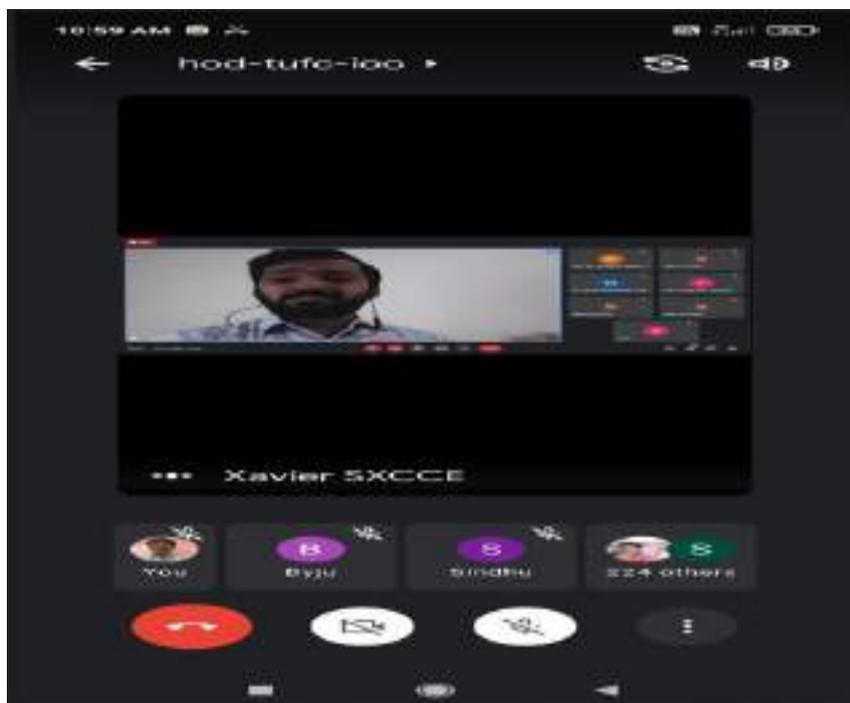
To make the students understand how incubators play a major role in supporting start-ups.

### **Workshop on Intellectual Property Rights (IPR) and**



To nurture their innovation and creativity and promote awareness and encourage IPR protection amongst Start-Ups.

### **Workshop on How to plan for Start-up and legal Eth**



To guide the students, how to get seed funding, various grants and all the requirements to get started with the start-up.

### **Workshop on How to convert ideas into products**



To provide skills to understand the stages of commercialization and to better understand what is required in preparing a focused commercialization plan.

#### **webinar on**



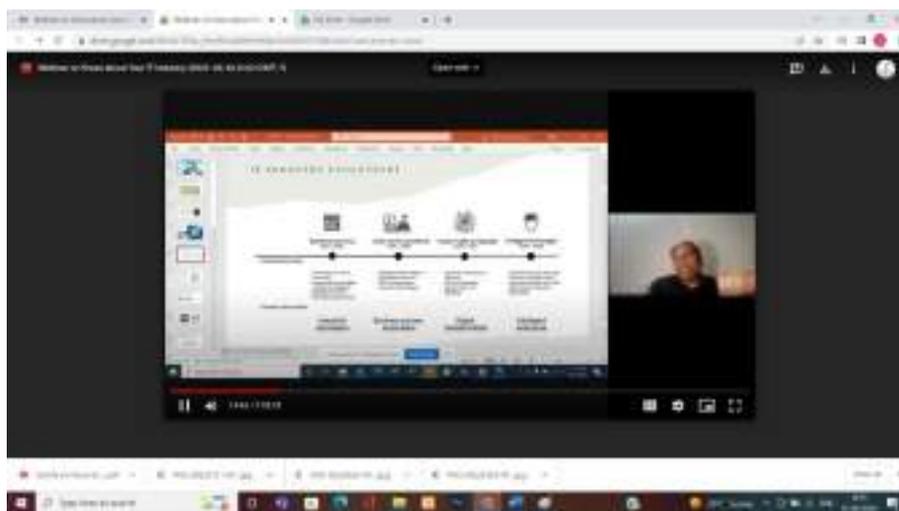
The Xavier's Association of Computer Applications has organized a webinar on "How to Prepare & Ace Tech Interviews" on 22.07.2022 between 09:30 AM to 10:30 AM, through the Google meet platform. The lecture in this webinar was given by Mr. B. Sivasubiramanian, Product owner & product manager, Revalize software, New York, USA. The Program was concluded with the discussion section and the feedback were collected from the students

#### **Workshop on Thrust on Innovation and Start-up Ecos**



To promote creativity and innovation among students, faculty members and facilitate development of innovative systems, processes, products, technologies and service for the benefit of society.

### **webinar on know about your IT Industry**



A One Day webinar on "Disruptive Technology & Role of IT" was organized by Department of Computer Application on 19.052021. The workshop was organized for II & III Year students. 39 students of both I & II Year- MCA were actively participated in the webinar. The main objective of this webinar was to enhance the students Knowledge in Disruptive technology. The program was concluded with the discussion section and the feedback were collected from the students.

### **Seminar**



The department of H&Sc has conducted a seminar on “Goal setting and Awareness on Research” for all the first year students (department-wise) from 21.6.2022 to 23.6.2022. 421 students participated in the seminar. The main objective of this seminar is to create awareness among the first year students about research and also to set their short term and long term goal. The resource person, Dr.M.Marsaline Beno, Dean/Centre for Research, St.Xavier’s Catholic College of Engineering, explained the concepts of innovation, invention in research and gave tips to set goals.

### **Competitions for People’s movement for a clean city**



Kavithai competition, Tamil elocution competitions were conducted on 17-06-2022. Around 32 students participated in the events.

### **Technical Event, ACM Valedictory**



The Association for Computing Machinery (ACM-W) supports, celebrates, and advocates internationally for the full engagement of women in all aspects of the computing field. ACM-W aims to provide platform for the sharing of information, resources, ideas and experiences. Support women in their professional career growth and help them to face the challenges in their work environment. SXCCE ACM-W Student Chapter (190059) . Our SXCCE ACM-W student members along with the ACM student chapter celebrated the valedictory function for the student chapters ACM (124771) and ACM-W (190059) on 16.6.2022.

### **Career Options**



An awareness program for Career Guidance was given to the final year Mechanical Engineering students by Er.Siva, on 15<sup>th</sup> June 2022. Career counselling is a domain of counseling that focuses on helping individuals finds the right career pathway. In career counselling the individuals receive guidance from professional counselors that provide expert advice on the potentials, aptitude, motivations, skills and shortcomings with the use of carefully designed assessment tools. The students were explained about the GATE, importance of it in life. The job opportunities available for GATE scorers were explained. He explained about the importance of online career test to understand the right industry or read about various career options to get guidance on what to study. The program brought a good awareness among the students and an in-depth knowledge about Career Guidance.

### **National Level Symposium**



A National level technical symposium conducted by our Association of Mechanical Engineering as MEGX' 22 on 10.06.2022, Friday. 43 delegates have participated in this National Level Technical Symposium. Finally the programme came to an end by a valedictory function and all the winners of the competitions were given prizes and certificates.

### **Industrial visit- Planetarium and Museum**



Industrial visit was arranged for the first year students to Priyadarsini Planetarium and Museum, Trivandrum and Sankar Cements Ltd, Tirunelveli from 31-05-2022 to 04-06-2022. To objective of the visit is to understand the concept of Planetarium, a specially designed theater with a domed ceiling that project a realistic image of the night sky indoors and educate about various terrestrial and aquatic bio diversity.

### **Industrial Visit - UST GLOBAL**



In UST Global Company, at 9.30 AM a seminar conducted by Mr. Sthanu Thambi, Lead consultant of UST Global. Students were able to know their company details, software developing process, services, innovation. Mission, and so on.

### **Distinguished Speaker Program**



SXCCE ACM Student Chapter (124771) organized a Distinguished Speaker Program on the topic “HOW TO BUILD AFFORDABLE AND VIABLE IoT AND AI PRODUCTS” on 10th June, 2022. Akhila Babu (Treasurer ACM-W) hosted the event. Irfana Fathima, Vice-Chair ACM-W formally welcomed the gathering. Rishitha S S (ACM-W Member) introduced the resource person of the day. Dr. Shiram K Vasudevan, INTEL IoT Champion Innovator, NVIDIA Ambassador, HUAWEI Developer Expert ; the resource person took over the session for colloquium on” How to Build Affordable and Viable IOT and AI Products”. At The session was very interactive and the young budding engineers enjoyed the thirst of technology growth towards AI and IoT in the upcoming era.

### **Business Model Canvas**

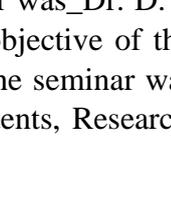
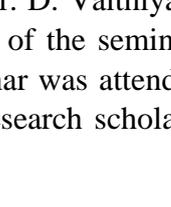
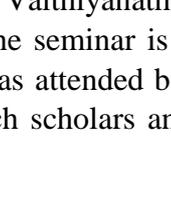
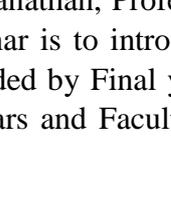
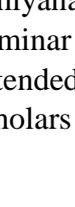
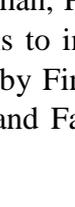


### **Recent Trends in VLSI Design**



A seminar on “Recent Trends in VLSI Design” was held on 7th of June 2022 at St. Xavier's Catholic College of Engineering. It was organized by Association of Computer Engineers (ACE). The resource person for the seminar was Dr. D. Vaithyanathan, Professor, National Institute of Technology, New Delhi. The objective of the seminar is to introduce the latest technologies and used in VLSI industry. The seminar was attended by Final year Computer Science and Engineering students, PG students, Research scholars and Faculty of CSE, IT, EEE and ECE departments

### World Environment Day

Name of Centre		Recognized Local Centre	
Title of Activity		World Environment Day	
Activity under Division Board		Stutory Dept	
Date	Venue	Organization/ Local Centre	
06-06-2022	Virtual	 Dr. I. Jessy Mol, HOD, Civil Engineering Department, St Xavier's Catholic College of Engineering.	 Dr. D. Vaithyanathan, Professor, National Institute of Technology, New Delhi.
			
			
			
			

The World Environment Day was celebrated by IEI, Kanyakumari Local Centre today on 6th June 2022 through Google Platform. The Keynote Speaker Dr. I. Jessy Mol, HOD, Civil Engineering Department, St Xavier's Catholic College of Engineering. The event was very informative.

### Industrial Visit



Third Year EEE students visited TAQA 250 MW Thermal Power Plant, Neyveli on 3<sup>rd</sup> June 2022. The main objective of the visit was to gain knowledge on Thermal Power Plant operation and control. The Engineer explained about distributed control system, construction, operation and transmission. The students gained more practical knowledge by visiting the boiler, alternator, control unit, gear box. The visit was very useful for the students. Students gained knowledge on Thermal Power Plant operation and control.

### **Industrial Visit**



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### **NATIONAL LEVEL TECHNICAL SYMPOSIUM THRONIX**



On behalf of IET on campus SXCCE ,A Batch of 51 students Of EEE and CSE department under the care of IET Faculty Advisor Mr.George Ansfer and Mrs.Vidhya This visit was mainly focused on to gain more practical knowledge over the electrical domainThe goal there is to tackle the challenges in sustaining the development and accelerating the pace of utilization of wind energy in the country the National Institute of Wind Energy (NIWE) has been established by MNRE at Chennai as an autonomous R&D institution of Government of India. Both the days went like Technical Treat to our IET Members.