ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING (AUTONOMOUS)

CHUNKANKADAI, NAGERCOIL – 629003

2023 – 2024

5.1.3 Capacity Building and Skills Enhancement Initiatives taken by the Institution

Field Visit to FLUTTERFROG SOFTWARE SOLUTIONS LLP

The Field Visit to FLUTTERFROG SOFTWARE SOLUTIONS LLP was held on 27/05/2024 at 09.00AM to 05.00 PM in the Flutterfrog Startup. Ten students and two Staff members attended the field visit. The resource person Mr. Gokul Kumar - Technical Director - Flutterfrog Software Solutions - Nagercoil detailed the operations in Flutterfrog Startup. The participants made an interaction to know about chances and challenges in startups. Participants attendance and registration were made properly.

VLSI Design using FPGA

Chip to startup (C2S) programme in association with Department of Electronics and Communications Engineering organised a one Day workshop on "VLSI Design using FPGA" to the third year ECE Students on 25/05/2024 in the VLSI Lab The resource Person was Mr.R.Ajin, Research Associate Chip to Startup programme. St. Xaviers Catholic College of Engineering. The resource Person explained the basics of VLSI DESIGN, different programming style, how to write programme, and to implement in the hardware.

A One Day Workshop on Mathematical Calculations Using Excel Sheet

The primary objective of this one-day workshop was to provide students with a comprehensive understanding of Excel sheet calculations. The program commenced promptly at 9 am, with Ms. V. Indira, a member of the Math Club, extending a warm welcome to all attendees. Dr. R. Jemila Rose, the esteemed resource person, eloquently elucidated the fundamentals and practical applications of Excel sheets in a manner accessible to all participants. A total of 42 Math Club members actively participated in the workshop. The event concluded with Mr. C. Nitin Joel, the treasurer of the Math Club, expressing gratitude to all involved parties and attendees. His vote of thanks marked the conclusion of a fruitful and enlightening workshop.

Awareness on Drug & Social media

The Anti Gender Harassment Committee of St. Xavier's Catholic College of Engineering organized an awareness programme on Drug and Social Media. The seminar was given to both boys and girl students of our College. The resource person gave a detailed description on various situations which makes a person to use drugs and the ways by which how one drunkard person can come out of that situation. He also gave live examples to show the effectiveness of his teaching to get ride of that issues.

Seminar on Notion

The Department of Artificial Intelligence and Data Science conducted a Seminar on Notion on 17-05-2024. The Resource Person was Mr. Thanu Siva N, Student, II AI&DS, SXCCE. The resource person explained the Anatomy of Notion its importance and usage in daily life. He explained the formatting option, linking the page with database and structuring the content with

pages and blocks. His interactive session was enjoyed by the students and was able to work with notion for organizing the routine tasks.

Industrial Visit to VSSC

The first year ECE-A, ECE-B, IT, AIDS, EEE, CIVIL, MECH-A, MECH -B classes underwent an industrial visit on 03/05/2024 and 07/05/2024 to Vikram Sarabai Space and Science Centre and KSSSM, Trivandrum. Around 365 students along with 19 faculty members went for the IV. The trip started at 7.00 am from the college premises. By 10.10 am the crew reported the campus of VSSC. The students were explained by the different types of satellites and launch vehicles. Then the students went to Planetarium, a specially designed theater with a domed ceiling where they watched the realistic image of the night sky, the origin of stars, planets, and constellations. The students enjoyed the tour and learned many things about the working principle of various equipment related to physics, satellite technology and solar system**.**

Industrial Visit

On 3rd May 2024, an entourage comprising 57 students and 3 staff members from St. Xavier's Catholic College of Engineering, Nagercoil, representing the 2nd -year IT department, embarked on an enlightening industrial visit to the renowned Kudankulam Nuclear Power Plant. The visit served to inspire and motivate us to pursue excellence in our academic and professional endeavors, fostering a deeper appreciation for the wonders of nuclear science.

Drug Awareness Programme

Drug Awareness Program was conducted to create awareness among college students. The programme started with a brief introduction by Dr. N. Sheen Kumar, Faculty Advisor, Youth Red Cross, about the session and the chief guest.. Mr. Kanakaraj, Sub Inspector of Police was invited as the chief guest for creating awareness on the ill-effects of drug and alcohol conception. He spoke about his personal experience through which he motivated the students to achieve higher positions in life. He also spoke about the ill effects of drugs and how students get affected because of the fascination towards it. The Government of India and the State Government is
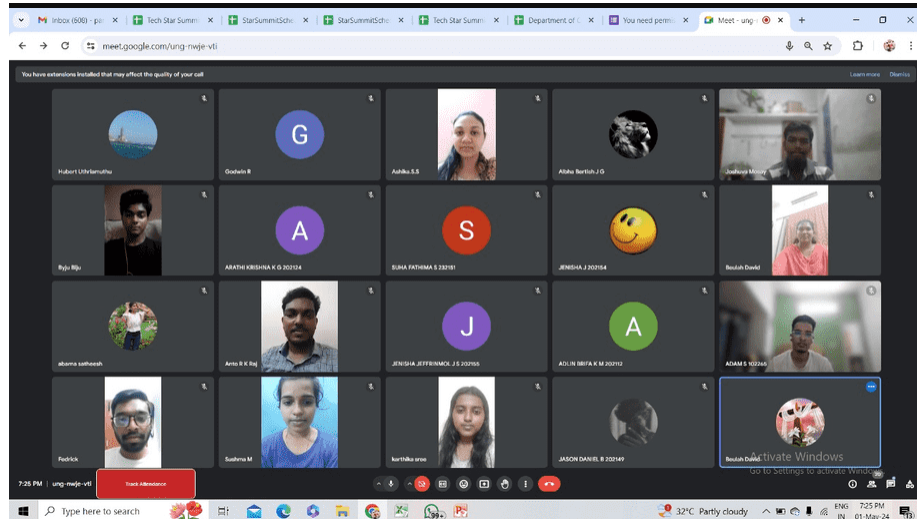
taking visible efforts to eradicate drug circulation among college students. Students from various departments got benefitted out of this program. Youths are the largest force of our nation and they must be directed in a positive way for their happy, healthy and holy living. The session came to an end with the positive feedback from the students and the Vote of Thanks was delivered by Dr. V. Vijimon Moni, Co-Ordinator, Humanities and Sciences.

Awareness Program on Ethical Hacking

An Awareness program on Ethical Hacking was organized on 02.05.2024 at CAD Lab, Mechanical engineering aiming to educate second year mechanical engineering students about the fundamentals of ethical hacking, its importance in the current digital landscape, and the ethical responsibilities of ethical hackers. The Awareness Seminar on Ethical Hacking successfully achieved its goals of educating participants about the critical role, of ethical hacking in modern cybersecurity. By fostering a deeper understanding of ethical practices and legal considerations, the seminar contributed to raising awareness and promoting responsible behavior in the field of cybersecurity. The program gave a good awareness to the students and an in-depth knowledge ethical hacking. This class was conducted with the support of total support of faculty members of SXCCE. In a total of 58 students participated interestingly.

Achieving Problem-Solution Fit And Product-Market

The IEEE Education Society organized a webinar on "Achieving Problem-Solution Fit And Product-Market". This webinar provides an insightful exploration into the crucial stages of achieving problem-solution fit and product-market fit in the realm of product development. Dr. D. Beulah David, a renowned expert in product development and innovation, led an engaging and informative seminar on the topic of "Achieving Problem-Solution Fit and Product-Market Fit." In this comprehensive session, participants delved into the critical stages of product development, focusing on the essential concepts of problem-solution fit and product-market fit. Dr. Beulah provided detailed insights into understanding customer pain points, validating solutions, and identifying target markets and customer segments. By the conclusion of the webinar, participants left with actionable takeaways and a newfound confidence in their ability to drive the success of their product initiatives.
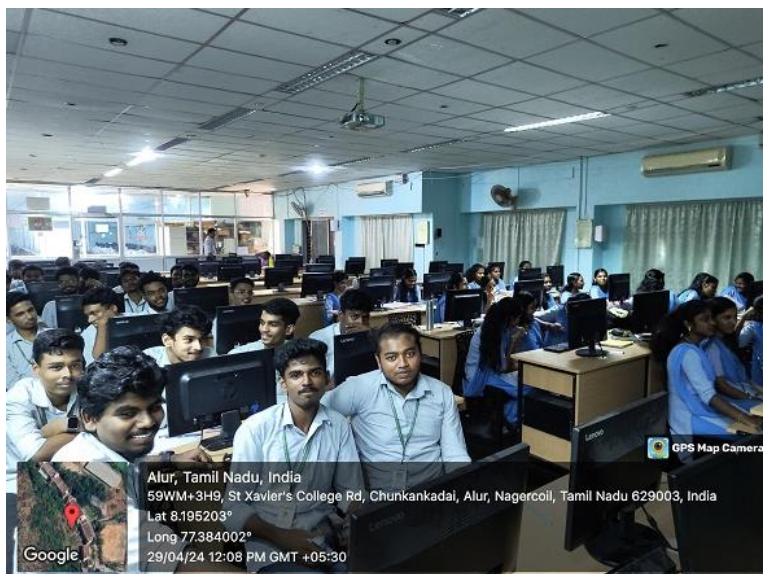
Seminar on ethical hacking

A Seminar on ethical hacking was held on 30th April 2024 at St. Xavier's Catholic College of Engineering. It was organized by Society of Electrical Engineers (SEE). Er. R Edwin Antony, GTEC, Trivandrum gave the talk on how to use the same tools and tactics as malicious hackers, but their goal is always to improve network security without harming the network or its users. In many ways, ethical hacking is like a rehearsal for real-world cyber attacks. 26 students attended the seminar.
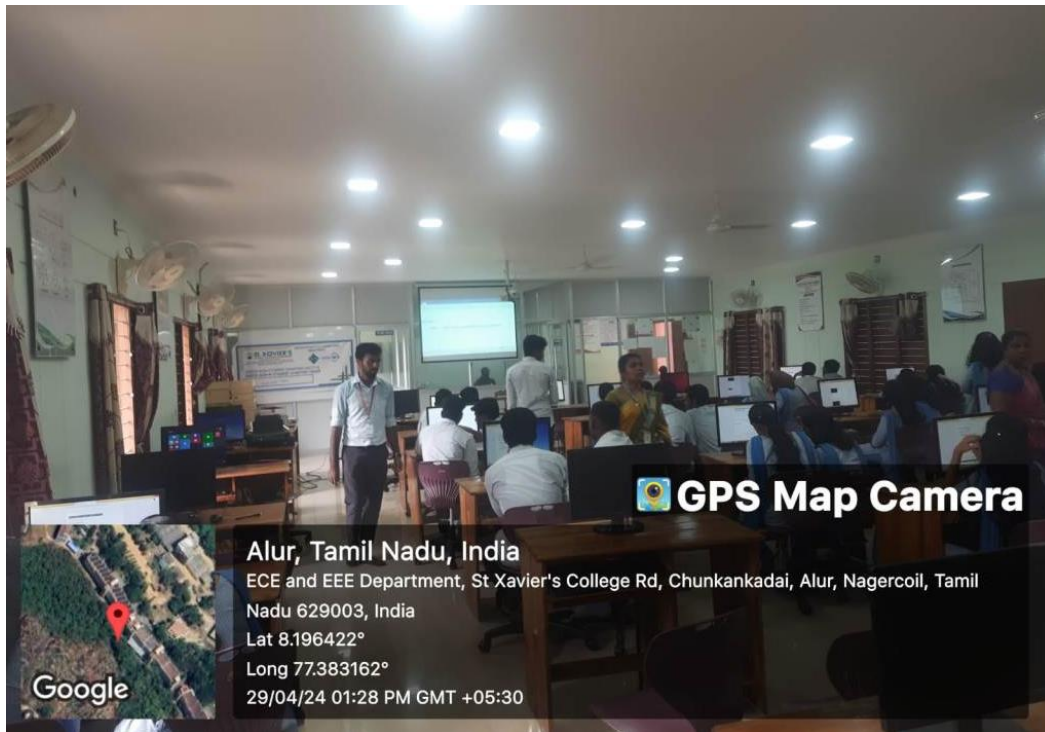
Workshop on Ethical Hacking

A Workshop on Ethical Hacking was conducted for 2nd year students of Computer Science Engineering. This workshop provides basic ideas about ethical hacking, Security, Different types of attacks and Valnurability Assessment. In the workshop they clearly explained how an unauthorized attempt to gain unauthorized access to a computer system, application and data was done by intruders. It was totally useful and completely interactive session.

Power Seminar on OOPS

The power seminar on OOPS Concepts was conducted for 2nd year students of Computer Science Engineering. The seminar provides conceptual approach of oops. The seminar covered various topics like Classes, Objects, Inheritance and Polymorphism with real world approach. It was totally useful and completely interactive session.

CODE CAMP-2K24

CODE CAMP-2K24 was organized on April 29, 2024, hosted by SXCCE ACM Student Chapter (124771) & SXCCE ACM-W Student Chapter (190059). The motivation behind the code camp event was to enhance students coding skills, problem solving abilities and team work. Additionally the event aimed to engage participants in challenging coding problems and tasks that would test their programming knowledge and creativity. Mr. M. Kailas (Vice Chair, ACM) and Mr. V. Regin (Executive Member, ACM) are the student organizers and evaluators of the contest. The coding contest was organized in two levels through online mode. The prize winners were appreciated with certificates. The event was organized and guided by Dr. C. Sheeja Herobin Rani (AP/ECE, Faculty Sponsor, ACM) and Ms. C. Renit (AP/ECE, Faculty Sponsor, ACM-W).

Industrial Visit

The first year CSE-B class underwent an industrial visit on 29/04/2024 to UST Global, Trivandrum. Around 62 students along with 3 faculty members went for the IV. The trip started at 6.30 am from the college premises. By 09.10 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.

Technical seminar on Principles of flight

With a view to augmenting and updating the technical knowledge the Department of Humanities and Sciences organized a technical seminar on " Principles of Flight" for the first year students

of EEE, Mech and Civil branches. The main objective of the seminar is to make the students to understand the different types of materials and parts in flights. The resource person Dr.J. Anish Jafrin Thilak started with the quiz to make interaction with students. He explained about the features the of flight, fuel used in engine and working of engine. Fruitful feedbacks were given by the students. The entire session was useful and interactive.

Seminar on "Generative AI"

The Department of Information Technology & BRIGITZ of St. Xavier's Catholic College of Engineering has organized a seminar on "Generative AI" on 27-04-24 with Dr.B.Hariharan, Associate Professor, Department of Computational intelligence, SRM Institute of Science and Technology as the Resource Person. The students are benefited with the knowledge on an introduction on Generative AI, Application & Use Cases of Generative AI during the seminar. Also a hands-on training related to the application "Katonic" was given to them. 42 II Year IT Students and 8 staff members were benefited in this seminar.

Seminar on IoT and Home Automation

The seminar on IoT and Home Automation was conducted on 23/03/2024, around 9.00 am. It was conducted by Ms. Asmitha L & Ms. Atchaya A D R, a second year student in the Electronics and Communication Engineering. The objective was to provide participants with practical skills and knowledge on utilizing IoT. The Seminar was divided into two sessions: a learning session and a practical session. In the learning session, explained the basic concepts of IoT, Sensors, Arduino UNO controller. In Afternoon Session, there is a completely practical session where we interface LED and sensors on our innovative ideas. The students were learned about different devices and interfacing methodologies. The session was very useful.

Mathematical Tricks Using Calculator

The main objective of this workshop was to familiarize students with mathematical calculations using a calculator. The program commenced at 9 am, with Ms. D. Sherlin, a member of the Math Club, extending a warm welcome to all attendees. The resource person, Ms. P. Adin Shiny, effectively elucidated fundamental mathematical concepts such as mean, variance, standard deviation and roots, utilizing the calculator. Following this, Ms. M. Alexlin Sahaya Ithal provided a concise introduction on solving differentiation and integration problems using a calculator. By the end of the workshop, students gained proficiency in solving mathematical problems in an easy and engaging manner. Around 38 Math Club members participated in the program, and their feedback was overwhelmingly positive. Ms. I. S. Najaah, an executive member of the Math Club, conveyed the vote of thanks to conclude the event.

Debate

Tamil Mantram has organized the debate on 27/04/2024. The main objective of this programme is to get more ideas on sangakala vazhkai murai and ikkala vazhkai murai. The programme began at 9.45am with a prayer song. Around 50 students participated in this programme. Debate was presented by seven students. The programme went on well. The programme came to an end by 11 .45 pm with a vote of thanks.
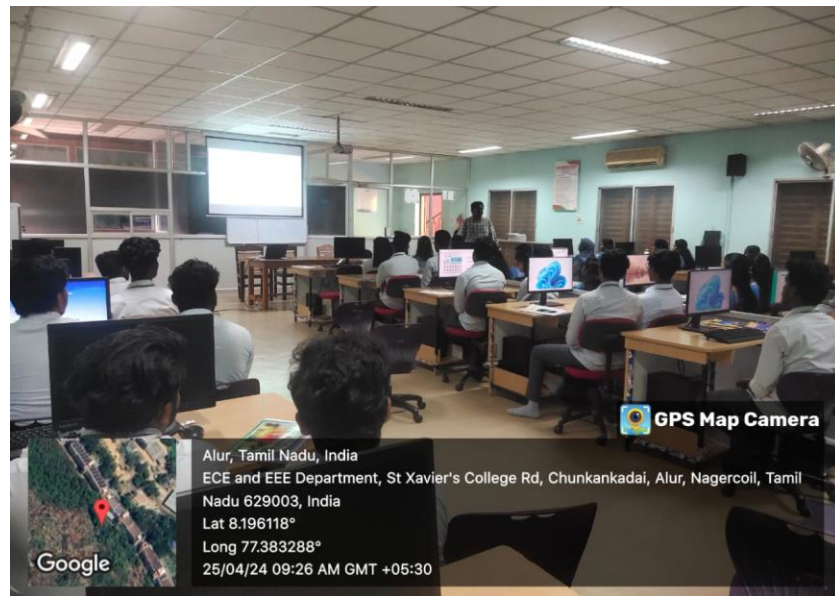
Seminar on Business Ethics for "YOU" the Future Managers and Entrepreneur

The department of Management Studies, St.Xavier"s Catholic College of Engineering organised a seminar on "Business Ethics" for the 1 st year MBA Students. The seminar was held at 10:45 a.m in the MBA Department lab. Miss. Roshni, Student of 1st year MBA delivered the Welcome address. The objective of the seminar is to present an overall idea regarding "Business Ethics" to

the students. The resource person Dr. Siddarth Mohapatra elaborated the topic on Why the business ethics is need for an organisation? Why the business ethics is not so easy? The session would be more of interactive session about the ethics which are followed in big MNC's. They also practically demonstrated the fulfilment centres of Amazon, Nike, Volkswagon, Boeing. Which was really useful to the students. And through the session the students get a clear knowledge about What are the ethics we should follow in an organisation. Finally, the seminar ends with a grand success. Vote of Thanks was given by Miss.T.Babisha , student of 1st year MBA.

Seminar on VLSI in Electronics

Electros organized a workshop on VLSI basics on April 25, 2024, from 9:00 a.m. to 10:30 a.m. The resource person was Mr. S Edwin Lawrence, DFT Engineer, Radiant Semiconductors Pvt. Ltd, Bangalore. The seminar was arranged by Mr.R.Florin Raja Sing AP/ECE The major objective of this seminar was to give students knowledge about VLSI and its scope in core electronics. He explained the concepts of VLSI and also about the future scope, job opportunities, and job designation. He also taught more about its work flow and various processes involved in a core manufacturing workplace. He also enlightened us with how he executes his role as a DFT engineer in his company. The session was enriching for the students, and it ended with an interactive session between the resource person and the students.

SEE Industrial Visit

Students of 2nd year EEE visited Tuticorin Thermal Power Station on 24-04-2024. 27 students accompanied by 4 staff members (Prof.Suji Garland.P, Prof.S. Shiny, Prof. Dr. M. John Bosco and Prof.Leon Bosco Raj.L) of EEE department visited the power plant. The bus with students and faculty started from college campus at 6.30 AM on 24-04-2024. The team visited Tuticorin Thermal Power Station by 10.00 AM. The objective of the visit was to have an understanding about generation of electricity from thermal power station and to relate the theory in courses in their curriculum. Tuticorin Thermal Power Station is one of the thermal power stations in Tamil Nadu. An engineer explained the layout, operation and working of the power plant. The engineer also explained about alternator, electromagnetic induction. After the visit, the bus departed from Tuticorin Thermal Power Station around 3.30 PM and reached the college campus on the same day (24-04-2024) 6.30 PM. Feedbacks were collected from students.

Power Seminar on International Career Opportunities for Commerce and Management Students

The department of Management Studies, St. Xavier's Catholic College of Engineering (Autonomous), has organized a 1.15 hour webinar on "International Career Opportunities for Commerce and Management Students". The venue of the webinar was at the Computer Lab. The webinar was commenced at 11.00 AM and ended at 12.15 PM. The chief guest of the webinar was Mr. Sathish Raj, CEO of E-Crusaders. This session mainly focused on motivating and transforming young minds. At first, Miss Fatima Roshni student of I MBA welcomed the gathering. The session was then handed over to the Chief Guest. He started the session with a saying of Dr. A. P. J. Abdul Kalam, "To create youth as job creators and not job seekers". He stressed more on transforming the students into budding entrepreneurs. The session ended with the Chief Guest clarifying the questions raised by the students. At the end, Ms. Milling Tonia gave the vote of thanks.

National Level technical Symposium

A National level technical symposium conducted by our Association of Mechanical Engineering as METEOR' 24 on 24.04.2024. The ceremony began with the prayer song by the Mechanical choir. Dr. G. Antony Miraculous, HOD/Mechanical, welcomed the gathering with a pleasant Welcome Note followed by the overview of the program and our association was presented by Mr. V. Vishaal, Secretary/MEGX. Then the Chief Guest address was given by Mr. Shambu S Krisha, Scientist, BrahMos, He gave a motivational talk which was useful to the students. The alumnus address was given by V. N. Pranav, Quality Engineer, Canada. Then the Presidential address was given by our Principal Dr. J. Maheshwaran. Our Vice Principal Dr. V. Christus Jeyasingh felicitated the gathering. Then Mr. Lijin Alex A, Executive Member, MEGX of Final

year Mechanical A, presented formal vote of thanks. Various technical competitions such as Paper presentation, CAD Design contest, Poster presentation, Technical Quiz, Project expo and non-technical events were conducted. 27 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.

International Conference - ICRECS2024

The Third International Conference on Recent Advances in Energy Efficient Computing and Communication for Smart Systems (ICRECS2024) was organized by the departments of Electronics and Communication Engineering, Information Technology and Physics. The Conference was a significant event, bringing together papers from different parts of the country. The conference received 125 papers from various colleges like Oman College of Management and Technology. The conference aimed to foster collaboration and discussion on advancements in smart systems with a focus on reducing energy consumption, optimizing resource utilization, and promoting sustainability in the context of emerging technologies such as Internet of Things (IoT), Cloud Computing, and Artificial Intelligence. The Conference started with an Inaugural function on 23/04/2024, The Chief Guest of the day was Er.G R. Nisha, Scientist, VSSC, Trivandrum. The Conference programme included 4 Invited talks by eminent keynote speakers: Er. Nisha GR, Scientist, VSSC, Trivandrum, Dr. Narendra Gopal, Head-Research Publications, Content development and Quality Assurance, ICT Academy, Dr. Subrata Das, Principal Scientist, Ministry of Science and Technology, Govt. of India, Trivandrum, Prof. Ali Al Badi, The Deputy Dean for Academic Affairs and Research, Gulf College. Oman.

Different Fields in IT Sector

A seminar on "Different Fields in IT Sector" was conducted on 22/04/2024. The resource person was Mr. Sundar R, Senior Software Engineer, Toyota Connected India (TCIN), Mangalore. 43 students attended the seminar. The session was very good and the students were much interested in attending such type of training. The students gained more knowledge about Different fields in IT sector, Software Cycle, API, JSON and knowledge about Cloud. The session was very interactive and practical so that students participated eagerly and suggest having more such programs in upcoming days for them as well as to their juniors.

Motivational Talk

The English Club organized a Motivational Talk on "How to speak English Fluently" for all the English club members on 16/04/24 at 10.30 am in the Seminar hall. Nayana V Nair, Secretary of English club welcomed the gathering. The faculty Advisor, Dr.Vidhya J P, organized the event. The session was indeed a successful one.Students actively participated in it. Finally the program came to an end by 12.30. Meghana, member English Club presented the vote of thanks.

Seminar

On April 17, 2024, the Federation of All Civil Engineers Association of Tamil Nadu and Puducherry (FACEAT&P) organised a seminar on "Construction Safety". The resource person of the seminar was Er. Ravi Arumugam, Additional Director of Industrial Safety and Health (Rtd.). The UG and PG students of the Department of Civil Engineering attended the seminar. It commenced with an inauguration ceremony and the Welcome Address was delivered by Mr. M. Inigo Valan, AP/CE. The new office bearers of the FACEAT&P Student Chapter were introduced. Dr. I. Jessy Mol, Head of the Department of Civil Engineering introduced the resource person. The resource person explained about the construction safety at every stage of construction, and the safety precautions to be taken at the site. The resource person shared his work experience at site. The session concluded with the Vote of Thanks by Dr. P. Antony Vimal, AP/CE.

Technical symposium

The National level technical symposium TECHTONIC was conducted on 5th April 2024 by Department of Electrical and Electronics Engineering. TECHTONIC was an amalgamation of various technical, non-technical and on spot events. The technical events organized were paper presentation, poster presentation, and Circuit Debugging and Photoshop contest. The symposium also brings together both novice and experienced scientists and developers, to meet new colleagues, collect new ideas and establish new cooperation between research groups and provide a platform for researchers from academic and industry to present their original work and exchange ideas, information and techniques. The function was inaugurated by our college correspondent and principal. The chief guest gave a brief description about AI. The inaugural function was followed by the various pre-planned technical, nontechnical and on spot events respectively. The technical and non-technical events were judged by many reputed judges from our prestigious institution. The symposium was a grand success with more than 47+ registrations from across 10 different institutions. In the end, the valedictory ceremony was held where all the winners were awarded and the certificates were distributed.

Election Awareness Programme

The Constitution Club of St. Xavier's Catholic College of Engineering created a documentary on election awareness aimed at encouraging the maximum number of students to cast their votes in the upcoming general election. The documentary was broadcasted throughout the college from April 9th, 2024 to April 17th, 2024. The video was put together by Constitution Club members Mr. Shaiq Sindha Arsaq, Nooha N, Fathima Roshni, and Renisha, who all contributed significantly to its production.

Drug Awareness

Drug Awareness Program was conducted to create awareness among college students. The programme started with a brief introduction by Dr. N. Sheen Kumar, Faculty Advisor, Youth Red Cross, about the session and the chief guest. Mr. Kanakaraj, Sub Inspector of Police was invited as the chief guest for creating awareness on the ill-effects of drug and alcohol conception. He spoke about his personal experience through which he motivated the students to achieve higher positions in life. He also spoke about the ill effects of drugs and how students get affected because of the fascination towards it. The Government of India and the State Government is taking visible efforts to eradicate drug circulation among college students. Students from various departments got benefitted out of this program. Youths are the largest force of our nation and they must be directed in a positive way for their happy, healthy and holy living. The session came to an end with the positive feedback from the students and the Vote of Thanks was delivered by Dr. V. Vijimon Moni, Co-Ordinator, Huminites and Sciences.

Project Expo 2024

The Project Expo 2k24 was organized by the IEEE Education Society Student Branch Chapter – 62851 of St. Xavier's Catholic College of Engineering with the support from IEEE MAS Education Society and IEEE MAS Photonics Society Chapters on 8th April 2024. The event was organized by the Student Coordinator of the Expo, Mr. C. S. Collins David, Chairman of IEEE Photonics Society SBC under the guidance and support of Mrs. G. Johncy, Faculty Advisor of IEEE Education Society SBC. The theme of the expo was "Leveraging Technology for a better tomorrow". Totally, 120 members across various student branches participated in the expo. The expo was held in the Conference Hall, and it began by 9:30 a.m. with an inaugural function compared by Ms. Eme Breeza S. The Code of Ethics was read by Mr. J. Daldon Vargis Raja, IEEE Member. Ms. J S Preethi Manjra, Chairperson of IEEE Education Society SBC welcomed the gathering with warm greetings. Ms. G. Johncy, Faculty Advisor of IEEE Education Society SBC gave an introduction about the Project Expo 2k24. Later, Ms. K. Ashlin Stephy, Chairperson of IEEE Women in Engineering SBAG introduced the Chief Guest of the event. Mr. P. R. Vishnu, IT Analyst at TCS, graced the event as Chief Guest and shared insights and experiences as an IEEE member and shared a few points about the expo. The gathering of the expo was felicitated by Dr. J. Maheswaran, Principal of SXCCE. The inaugural function came to an end by the vote of thanks delivered by Mr. C. S. Collins David. Chairman of IEEE Photonics Society SBC. The valedictory function, marked by the distribution of prizes and certificates, and with the words of gratitude by Mr. B. Gerald Briyolan, Chairman of IEEE Student Branch and concluded with the National Anthem. Thus the 'Project Expo 2k24' served as a platform for students to demonstrate their creativity and technological prowess. The event underscored the importance of leveraging technology for societal betterment and provided participants with invaluable learning experiences.

A seminar on "Advanced Java and Event Handling"

 A worshop on "Advanced Java and Event Handling" was organised by BRIGTZ, Association of IT on 8th April, 2024 with Mr. N Aiyappan, Technical Head, JCLICK Solutions as the resource person. 60 students and 3 faculty attended the programme. The students learned about the extension services in Java.

National Level Technical Symposium

The REACH Association, Department of Civil Engineering, organized a National Level Technical Symposium on 05/04/2024. The Chief Guest of this event was Mr. G. Balakrishnan, Chief Engineer, Kudankulam Nuclear Power Plant. The inaugural session started by 09.30 a.m. with a welcome dance. The welcome address was delivered by Mrs. D. Smiline Shiny, Faculty Advisor/ REACH, followed by the felicitation address given by Rev. Fr. Dr. M. Maria William, Correspondent, SXCCE. The Chief Guest was introduced by Dr. I. Jessy Mol, HoD/Civil followed by the chief

guest address. The chief guest addressed the various opportunities in the field of Civil Engineering. After that the presidential address was delivered by Dr. J. Maheswaran, Principal, SXCCE. The inaugural session ended with vote of thanks by Ms. C.M. Flora Dani, AP/Civil. After the inaugural session, a technical talk was presented by the chief guest about the construction practices and components of a power plant. Then the symposium technical events such as paper presentation, poster presentation, Technical Quiz, code cracking and CAD modelling and non technical events such as Brick and Wall, clay modelling, weigh me, map quiz and bridge battle were conducted for the students from other colleges. The prizes were announced during the valedictory ceremony. All the students actively participated in the competitions and the programme ended by 4:10 p.m.

My Health My Right

On Behalf of International health day, Health care cell was conducted a seminar on the topic 'My Health My Right' for first year students on 5-4-2024. Dr.Jenifer Diana Naturopathy Physician, Therapeutic Trainer , addressed the audience on the theme 'My Health My Right'.She told that Maintaining physical health is a responsibility, otherwise we will not be able to keep our mind strong and clear. A healthy life is a blessing that only sick people can see. Around 120 students participated and benefitted through the programme.

Awareness Program for MBA

The St. Xavier's Alumni Association organised a seminar on 04/04/2024 in our college premises. The awareness program started at 2:00 pm. Mr. Aspren from the 2015 batch of the Mechanical Engineering and the Former President of SXAA, welcomed the gatherings. An awareness session was given by Mr. S. Neelakandan about the challenges faced by young entrepreneurs in Kanyakumari district. A small Q&A session was also conducted. Feedbacks were given by the students. Mr. Joseph Selvaraj, member of SXAA shared some information about the job opportunities available for the MBA students. Mr. Starlin Britto from the 2016 batch of the Mechanical Engineering thanked all the gatherings and the meeting came to an end by 3:00 pm

National level technical symposium

The Computer Society of India student branch St. Xavier's Catholic college of Engineering, Chunkankadai organized a National level Technical Symposium ENIGMA'24 on 04/04/2024.. The objective of the symposium is to bring out the hidden talents of the students and develop their skills in the latest trends by participating in the technical and non technical events. The Inaugural function was conducted on 04-2024 9:30 am at ROCK Auditorium. Er Edwin Jose R ,Senior Technical Lead,H & R Block acted as the Chief Guest. Adv.Antush Jerome, Advocate, Kuzhithurai SubCourt, Kanniyakumari District, acted as the guest of honour. SXCCE Principal Dr.J Mahesearan in his inaugural address briefed about the importance of the conducting this kind of symposium in expanding students networks with inclusion of other college students and developing their presentation skills. In the symposium various technical and non-technical events are conducted which included Paper presentation, Poster Presentation, Debugging ,Quiz,Logo Finding,Music Maze,Dumb Charades, Photography. The Student Volunteers from CSI Club Organized all the above events with faculty in charges. In the Valedictory function SXCCE Principal and Dr.M.Marsaline Beno, SXCCE Research Dean, distributed the prizes, shields to the winners/runners and participation certificates. The Symposium received good number of appreciation and positive feedback from the participation which is the key indicator that CSI club organized the symposium in a successful way.

AI Blended with No Code

Electros conducted a value added course on AI Blended with No Code for the final-year ECE students from 25-03-2024 to 27-03-2024 and 01- 04-2024 to 03-04-2024 for both ECE-A and ECE-B Students to bridge the curriculum gap for the academic year 2023-2024. The Resource Persons are the Second Year AI Students, who are the Start uppers of Z1 Renders, Z2 Learn and Z3 Connect. The course covered the fundamentals of AI tools, and its practical applications. The sessions included a combination of lectures and hands-on exercises. Topics covered in the courses are Namelix website to create names, Ideogram for Logo, UMSO for Website Creating all these tools helps to create our own website. Some of the other AI tolls like Scribble Diffusion,

WIX Studio, JotForm to create forms, Portfolio, Kapwing for Video Generating, and website creating, template Creating through Canva Tool also Covered. Overall, the sessions were highly informative, and students acquired valuable knowledge and practical skills in working with AI tools.

Voters awareness programme

The Voters Awareness programme was conducted under the guidance of District collector in coordination with Youth Red Cross on 03-04-2024. The speaker delivered a speech on awareness about the right to vote and also the importance of vote in democracy. They advised the students that if voters will sell their vote for money, themselves they only cause to destroy their society, so they said to all citizens about the importance of casting their vote as per democracy. First year B.E students participated in the pledge of right to vote in the college campus. Staff and students participated in this program.

An Awareness Program on Menstrual Health & Hygiene

Menstrual Hygiene Awareness Program was conducted to create awareness among female students. The program began with the short introduction about the session and the chief guest by Rahitha R V Treasurer (ECE chapter), St. Xavier's Alumni Association. There are many misconceptions regarding menstruation and health among teenagers, this program focused on the health impact caused due to lack of menstrual hygiene. The aim of this program was to improve health with better sanitation practices. Trainer Ms. Smitha from Femi 9 gave an elaborate description about the positives and negatives in using menstrual caps and tampons. She explained about the hygienic use of menstrual pads. A demo session was also conducted by her to show the students on the availability of different sanitary pads (biodegradable & non degradable). It was an interactive and useful menstrual awareness session. Students from various departments got benefitted out of this program. The session came to an end with the positive feedback from the students and the Vote of Thanks was delivered by Ms. S. Josafa, Secretary, Women's Cell.

Seminar on "An insight using ERP "SAP S/4 HANA"

The Department of Management Studies, St. Xavier's Catholic College of Engineering organised a seminar on "SAP" for the 1 st year MBA Students. The seminar was held at2:00 pm in the MBA Department lab. Miss. Lancy, Student of 1st year MBA delivered the Welcome address. The objective of the seminar is to present an overall idea regarding "SAP" to the students. The resource person Miss. Kathuri elaborated the topic on System Application and Product (SAP), the evolution of SAP Application S/4 HANA, why we need S/4 HANA and Limitations we faced before SAP S/4 HANA. Continued by this, Mr. Arjun explained the SAP HR, SAP FICO, the components of SAP SCM, and the basics of SAP CRM. They also practically demonstrated the working of SAP and how to use it, which was really useful to the students. And, through the session the students get a clear knowledge about the SAP and its importance. Finally, the seminar ends with a grand success. Vote of Thanks was given byMr. Nowtheepsan, student of 1st year MBA.

Seminar on "Unveiling Environmental Impacts for a Sustainable Future"

A Seminar on "Unveiling Environmental Impacts for a Sustainable Future" is organized for the students to give an insight of environmental impacts for a sustainable future knowledge on 26-03-2024. Dr. Anish John Paul M, HOD/EEE, Mar Ephraem College of Engineering and Technology acted as the resource person. The programme was organized in view of the National Pollution Control day. 51 students attended the seminar.
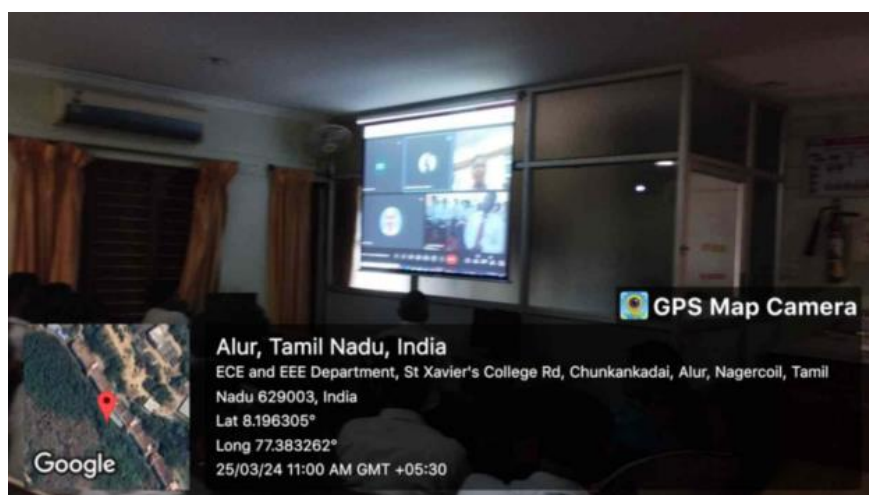
National Level Management Fest (Xibita 8.1)

The inaugural session started by 10.00 a.m. with a prayer song and a welcome dance by Ms. Lina, student of I MBA. Ms. Sushma Sree, the student secretary delivered the welcome address. The organizing secretary Mr. G. Jenit Hanson, Asst. prof. gave an insight about Xibita 8.1.

Principal Dr. J. Maheshwaran felicitated the gathering. Ms. Jasmine Suguna, HOD of the management studies introduced the chief guest and the function was inaugurated by the chief guest Mr. Nishwin Issac, director, Artic9 creative agency, Nagercoil. In his inaugural address he explained and pointed out the basic qualities required for a person to become an entrepreneur. The inaugural session ended with vote of thanks by Ms. Christy Maria Helen, student secretary, Xibita 8.1. The event started around 11.15 a.m. in three different venues. The paper presentation event was conducted in the conference hall, collage was conducted in the MBA classrooms and the business quiz preliminary was conducted in the MBA lab. In the afternoon, final of business quiz was conducted in the MBA lab and the Mime competition was conducted in the main venue conference hall. Valedictory and prize distribution session started around 3.00 pm.

Live webinar

A live webinar on smart grid was organized by the Dean of Research, Dr. M. Marsaline Beno. The session was attended by 34 students along with the Head of Department, Dr. S. V. Kayalvizhi, and the SEE Coordinator, Mr. Almond D'Souza, Assistant Professor. The meeting commenced at 11:00 AM and concluded at 12:00 PM on March 25, 2024. The guest lecturer, Mr. Muthu Kumar, Deputy General Manager at Power System Operation Corporation Pvt Ltd, provided a comprehensive overview of the Indian electricity grid, covering dimensions, institutional arrangements, grid evolution, and system operation. He elaborated on the functions of the load dispatch center in Chennai and facilitated a discussion on renewable energy prospects in the southern region. Attendees gained knowledge about the fundamentals of smart grids, including their information backbone, key characteristics, and driving factors specific to India, paving the way for future advancements in the field. Overall, the webinar fostered collaboration, knowledge sharing, and strategic planning to drive advancements in the implementation of smart grid technologies for a more sustainable and efficient energy future in India.
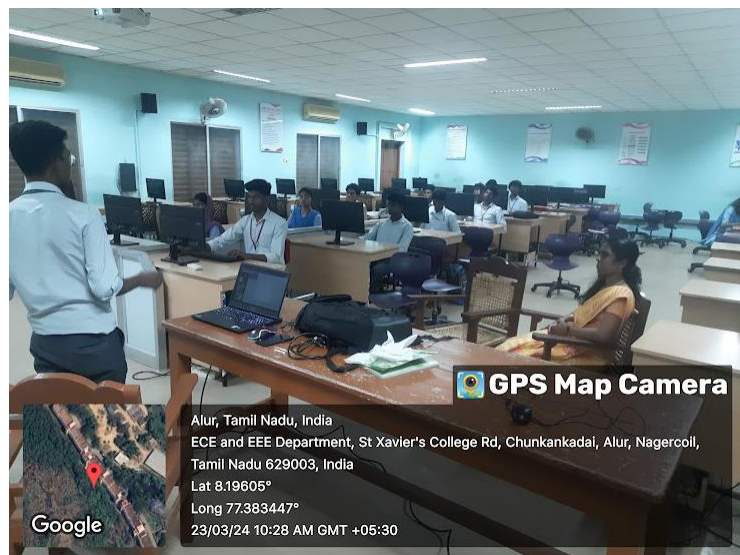
Alms Giving during Easter

The Outreach Cell organized a programme to help the Kanyakumari road side people on 23/03/2024. 11 students participated in the event. Lent is a solemn period of six weeks leading up to Easter. A major part of Lent is almsgiving, which is donating one's time, money, and possessions to those who are less fortunate. Almsgiving is an important way of embodying the teachings of Christ during Lent, but it's one that gets less attention in popular culture. Although, almsgiving is meant to be social because it's about strengthening our bonds to others. Giving alms can be not only money but also clothing, food, shelter, etc. Almsgiving is not an act of selfless giving but an act of self-service and should be given with generosity. We the Outreach team makes it easy to help people experiencing hunger and struggling with homelessness during the Easter Eve.

Group Discussion

The English Club organized a Group Discussion for all the English club members on 23/03/24 at 10.30 am in the Seminar hall. Nayana V Nair, Secretary of English club welcomed the gathering. The faculty Advisor, Dr.Vidhya J P, organized the event. Four Groups were arranged for the discussion. Students actively participated in it. Finally the program came to an end by 12.30. Reenu Susan Kurian, member English Club presented the vote of thanks.

The Workshop on Canva

On 23rd March, 2024, a workshop on Canva was organized by the Radio Club of St. Xavier's Catholic College of Engineering, A student Melvin Victor S from ECE was the resource person. He explained the basics and application sof Canva. How to install caava and what are all the features of Canva. He also given hands on training and it is so useful.

Earth Hour India 2024 - Impact of Climate change on bird migration

A seminar on "Earth Hour India 2024 - Impact of Climate change on bird migration" was organized for the NSS students on 23/03/2024. The main objective of this programme is to inculcate environmental welfare in students. 117 students participated in the programme. The seminar was given by MMF India Directors.

Effective communication

The Scheduled Caste (SC) and Scheduled Tribes (ST) Cell is an initiative from the institute to nurture, protect and promotes the interests and opportunities available for the students in the reserved category. In this regard To enhance the communication and presentation skills of the students in SC/ST cell a program "Effective Communication – Sentence Structure" was held on 23-03-24 FN, Dr. R. JAMES LIGORIAS and Dr. R DIVYA THANGA were the resource persons. The program was oriented towards improving the Academic writing skills, and around 13 students attended the program and were benefited by this.

Medicinal plants exhibition

This event was conducted to create awareness about the value of medicinal plant. The event was inaugurated by Rev. Fr. Dr. M. Maria William, Correspondent of SXCCE. He suggested that eco club members try to know the names of all medicinal plants and appreciated the new effort taken by eco club members. Dr. J. Maheswaran, Principal of SXCCE has accompanied this event and asked to follow the natural medicine instead of allopathic medicine. The main attraction of the exhibition was exhibiting nearby 25 varieties of medicinal species such as black pepper, aloe vera, mint, henna, neem, vinca, kuppaimeni, Tulsi, Karpooravalli, Keezhanelli, Pirandai, Manathakkal betal leaf, Turkey berry, Malabar spinach, papaya, ponnankanni spinach, Red spinach, Daal kerai, Curry tree, Dragon fruit plant, Vallarai keerai, thippili, Nilavempu, and Ashwagandha, Their uses were displayed. The plant growing bags was distributed to eco club members and the collection of medicinal plants was started one month back. During this exhibition plants sold at minimum cost.
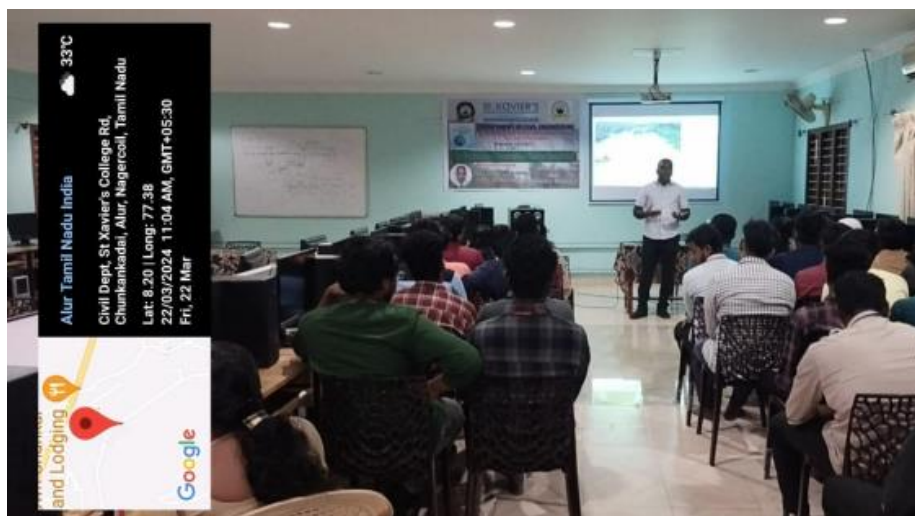
Seminar on "Earth Hour"

Earth Hour was celebrated on 23.03.24 by the world. It is a worldwide event organized by the World Wildlife Fund (WWF) and aims to create the biggest hour for Earth with its call-to-action, "Give an hour for Earth." On behalf of this, a seminar was conducted by Mrs.C.Sudhamathy, Mr. Saravanan, and Mrs.S.Malar Vizhi, who are members of the World Wide Fund for Nature (WWF) organization, at the Einstein seminar hall of our college. They created awareness about how to protect the world's wildlife by directing its conservation efforts toward protecting endangered species and addressing global threats. They encouraged the students to give Earth an hour by switching off nonessential electric lights for one hour from 8:30 to 9:30 p.m. The members of the Eco Club realized their role in preserving the environment.

Democratizing Software development

Democratizing software development Seminar was held in St. Xavier's Catholic College of Engineering on 23-03-2024 at 2.00 p.m to 4.15 pm. The Resource person of this event was Mr. Gokul Kumar S, Co-Founder, Flutterfrog Software Solutions. The Seminar was focused the concept of Software Development using Flutter. Ms. Baby Lisa. K, Assistant Professor, Department of ECE and Ms. A. Annie Portia, Assistant Professor, Department of Al & DS were organized this event. Total of 44 students were participated in this event. This seminar focuses the significance, challenges, and future prospects of democratizing software development. The resource person explains empowering individuals beyond traditional developer roles to participate in the creation of software, this movement promises to democratize access to technology, foster innovation, and enhance inclusivity in the digital domain. Students understood various aspects including the democratization tools, platforms, methodologies, and their implications for industries and society at large.

Seminar On "AN EARTHEN DAM CONSTRUCTION- START TO END"

On March 22, 2024, the Federation of All Civil Engineers Association of Tamil Nadu and Puducherry (FACET&P) organised a seminar on the topic "An Earthen Dam Construction- Start to End." The resource person for the seminar was Er. C. Kingsly Jebasingh, ME (Structural), the director of AKN Associates PVT Ltd. He worked as a professor at St. Xavier's Catholic College of Engineering and also as an engineer in Brunei during the construction of Ulu Tutong Dam. The seminar was conducted from 10:30 a.m. to 4:00 p.m. on March 22, 2024, at the computer lab of John Smeaton Block. It was attended by the 3rd and 4th year students of the Civil Department. It commenced with the introduction of the chief guest, Er. C. Kingsly Jebasingh, by Dr. P. Anthony Vimal, AP/CE. Er. C. Kingsly Jebasingh has worked as an engineer during the construction of Ulu Tutong Dam in Brunei and shared his experience. He highlighted every single step that was taken during dam construction.The advantages and disadvantages of the projects were also discussed. The session was concluded with a vote of thanks presented by M. Inigo Valan, AP/CE, and to honour the resource person, a memento was delivered by Dr. I. Jessy Mol, HOD/CE, to the chief guest.
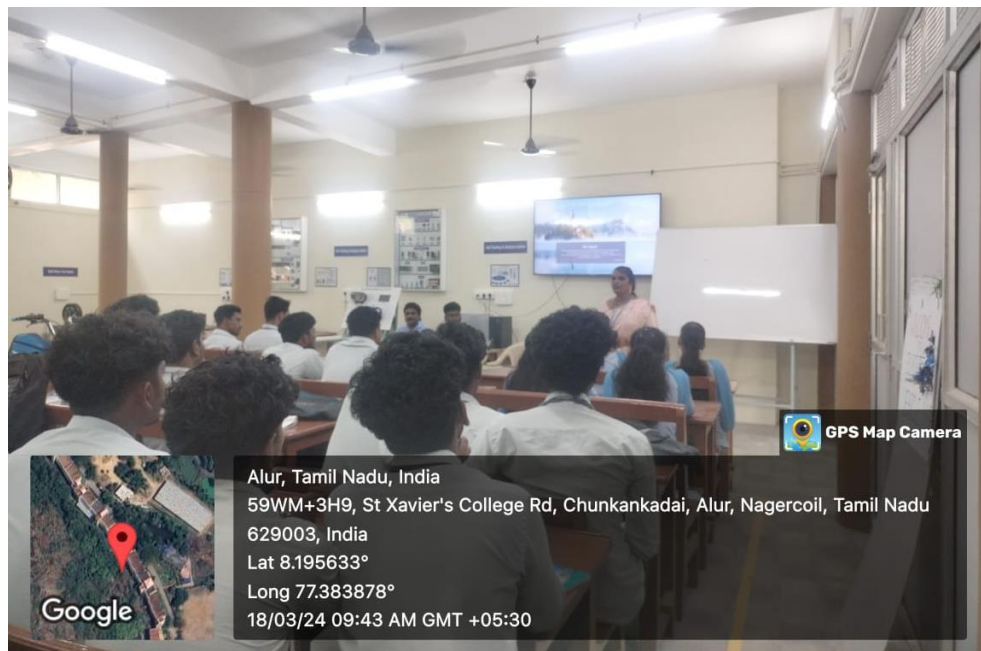
Industrial Visit

The first year CSE-A class underwent an industrial visit on 22/03/2024 to UST Global, Trivandrum. Around 63 students along with 3 faculty members went for the IV. The trip started at 6.30 am from the college premises. By 09.10 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.

Motivating village students

While the era becoming digital during the pandemic year 2020-21, many young students evolved technically and digitally but the pandemic seems to have quashed the dreams for children in the Rural and suburban areas. With no proper electricity, network and devices, students are left to learn on their own. Many other children with no school spend their day playing in the village or work in the fields. With an aim to encourage the rural kids to get into the habit of reading, writing and drawing, we the outreach team encouraging and supporting the rural kids with the gifts.

Workshop

Our department planned an one week workshop from 18/03/2024to 22/03/2024 with 34 students, Dr. J.leon Bosco RajAP/EEE is an coordinator and Dr.S.V. Kayalvizhi is an conveyor. The name

of the trainer is P.Amarnath SR-Executive and R.Anand Executive-Triner. Day 1, they explain about the Electric Vehicle and it operation and how the EV is different from the commercial vehicle,the comparison of the components in the commercial and EV vehicle and in the afternoon session we did the pratical session Day2 we learn about the motor and their types how it is differ from the commercial vehicle motors and we solve the problem under some case study. They explain the Vehicle motor requirements and the force required for driving vehicle and they explain about the rolling force and aerodynamic drag force in this concept also we slove problem under different case studies. Day 3 they explain about the battery pack and we design the battery pack depends on the voltage. In the afternoon session we did the soldering for the designed pack . In day 4 we learn about the BMS function, safe operating area, calculating state of charge (soc) and state of health (soh). In the afternoon pratical session we did the cell testing of the given battery . In day 5 we learn about the ADAS concept and different types of sensors, how the ADAS concept is used in the cars and discuss about the advantage of having the ADAS system in the vehicles. In improved words

International conference

The department of AI&DS and CSE organized International Conference on Computational Intelligence and Data Analytics ICCIDA 24 in collaboration with Scopik Edu. tech Pvt. Ltd. from 21 st to 23rd March 2024. Its main aim is to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of computational intelligence in Computer, Information, Sciences and Applications. It also provided a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Computer, Information, Sciences and Applications.

Reading Awareness programme

The Reading Awareness Programme, was conducted on multiple days (20-03-24, 21- 03-24, 23-03-24, 25-03-24) with the aim of promoting the importance of reading among students. The theme was "Open Minds, Open Books, Embrace the Journey". The student members of the Readers Club delivered presentations on the topics "The importance of reading books, Importance of books in students' lives, Benefits of reading books, Reading strategies, How to create a habit of reading books". A quiz was conducted to assess students' understanding of the presented topics. The quiz included questions related to the importance of reading, benefits of reading, and effective reading strategies. First-year students and readers club members benefited in this awareness programme.

Industrial Visit

On 20th March 2024, 51 students and 3 staff members from St. Xavier's Catholic College of Engineering, Nagercoil, representing the 2nd-year IT department, embarked on an enlightening industrial visit to the renowned Vikram Sarabhai Space Centre (VSSC) and Priyadharshini Planetarium in Thiruvananthapuram. The pinnacle of our visit was the breathtaking experience of witnessing a rocket launch, which provided invaluable insight into the intricacies of space technology and exploration. Post-lunch, our itinerary led us to the Priyadharshini Planetarium, where we were treated to immersive presentations and exhibitions showcasing the wonders of astronomy and space science. Our group safely returned to our college premises by 7:30 pm, concluding a memorable and educational industrial visit to VSSC.
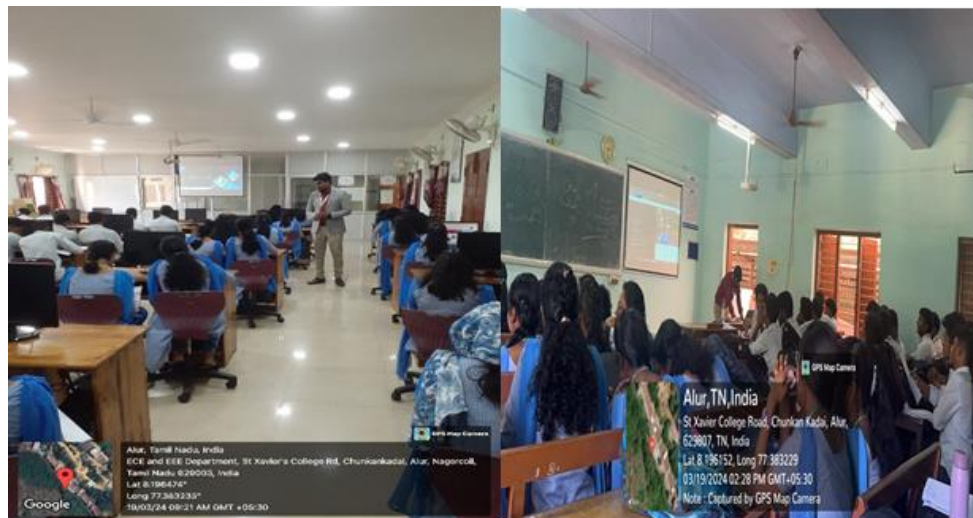
Workshop on AI Cad Design

The Workshop on AI Cad Design was organized by ACE for the final year students of the Computer Science and Engineering department which took place on 20/03/2024. About 115 students participated and about 2 staffs were present. This workshop on AI in CAD aimed in integrating artificial intelligence technologies into Computer-Aided Design software, enhancing automation, optimization, and advanced capabilities. This workshop provides various ideas in designing using AI.

National Level Symposium FOSS Frontier 2023

FOSSEE Club, and EnSav Club SXCCE conducted a National Level Technical Symposium "FOSS Frontiers'24" on 20th March 2024, in association with Spoken Tutorial, IIT Bombay. The objective of the symposium is to cultivate the innovative solution from the students towards application of free/libre open source software for Education, Research and Industrial needs. Er. Mr. Ajith Kumar, IOT Developer, Purple- Iq Technology Ltd is the chief Guest for the event. About 153 students participated in the event, in which 50 students are from other institutions. Four technical events such as Paper Presentation, Poster Presentation, Technical Quiz, Coding Contest and few non-technical events were conducted for the students. Registration of the event started at 9.00 AM and the inauguration started at 9.30 AM with prayer song. The welcome address was given by Ms. Bashlin Rancy, Chairperson- FOSSEE Club. The introduction to the symposium was given by Dr. Jain B Marshel, Faculty Advisor, FOSSEE Club, SXCCE. The presidential address was given by Rev. Fr. Dr. M. Maria William, Correspondent, SXCCE. He addressed the participants on the importance of open source platforms towards technological development. The Chief Guest address was given by Er. Mr. Ajith Kumar, IOT Developer, Purple- Iq Technology Ltd. Dr. J Maheswaran, Principal, SXCCE and Dr. M. Marsaline Beno, Dean- Research, SXCCE felicitated the gathering. The vote of thanks was given by Ms. Jaffi, Secretary, FOSSEE Club. The inauguration ended with college anthem. After the tea break, Paper Presentation (Concept Catalyst) started in seminar hall, EEE Department, SXCCE started in the auditorium, followed by the other events. In each event around 30 students have participated. Finally, the valedictory was conducted and the prizes were distributed to the winners. Dr. S.V.Kayalvizhi, HoD/EEE of SXCCE gave a felicitation talk and appreciated the efforts taken by the students in all the events. The program ended with a National anthem.

Workshop on Embedded System Architecture and ARM

Electros organized a workshop on embedded system architecture and ARM processes on March 19, 2024, from 9:00 a.m. to 4.15 p.m. The resource person was Mr. A. Jaya Kumar, Senior Technical Engineer, Livewire Corporate, Chennai. The major objective of this seminar was to give students knowledge about the IoT and embedded systems. He explained the concept of embedded and IoT systems. And also about the future scope, job opportunities, and job designation. He also taught more about serial communication protocols and the application of IoT. A hands-on training on how to use Thinkercad Arduino was also given to the students. The session was enriching for the students, and it ended with an interactive session between the resource person and the students.
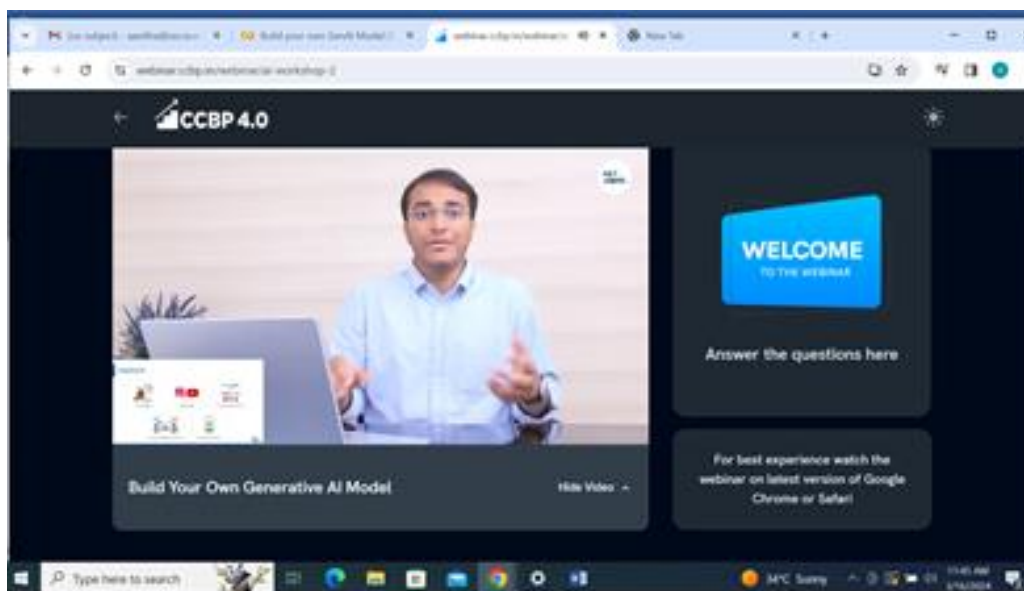
Seminar

St. Xavier's Catholic College of Engineering (SXCCE) organized a one day Seminar On "Navigating Career Paths Post-MBA and Mastering Leadership" on March 19, 2024 for

Department of Management studies in Conference hall. The seminar focused on Self Reflection and Identifying Passion. The seminar was started with a welcome address by I MBA student Maxwel Rishobi P. The seminar was commenced by the colleague of the resource person Mr. Ram Manoj. She introduced about the products & services they offer and the motto, vision and features of the company. The Seminar mainly focused on the Career, Passion and New Technology Stack. The resource person also well explained about self-reflection. He spoke about setting goals and it's key role in everyone's life. He also expressed his concern over the skills & education required for the management students. He also mentioned various social media marketing strategies to the students. He explained about the internship programs that are available to the students and encourage them to pursue internship programs to enhance their practical knowledge. The students asked questions regarding passion and internship. After the session was completed the students of I MBA Roshini and Renisha gave feedback about the program. The vote of thanks was proposed by Amisha of I MBA.

AI for Students: Build your own Generative AI Mode

A workshop on AI for Students: Build your own Generative AI Model was conducted on March 16, 2024, from 11:00 a.m. to 2.00 p.m. for all the ECE students. The resource person was Mr.Trivikrama, AI Expert During the workshop, he delved into Artificial Intelligence, Machine Learning, and Generative AI, explaining how to formulate prompts and develop AI models. Practical training on Generative AI using Google Colab was provided to the students, alongside insights into future prospects and career opportunities in the field. The session proved to be highly informative for all participants.

Hackathon -TechFest'24

A hackathon event with the theme "Waste Management and Recycling" is held as part of TechFest'24 and is open to all the students of our college. This hackathon is focused on boosting students to apply their reasoning and problem solving aptitude in conjunction with technical skills to solve challenges related to waste management and recycling. 32 students (11 teams) of various disciplines participated in this event and presented their solutions to waste management and recycling. The winners were appreciated with prizes and certificates.

Workshop on Web Designing in UI/UX Design

The Department of Computer Applications organized a one-day workshop on "Web Designing in UI/UX" on 11-03-2024, at the MCA Lab. The main objective of the workshop is to make the

students how to develop a web designing using UI/UX. The session starts at 11 a.m. with the presentation of the resource person Ms.M. Donisha. In the morning session, the resource person explained the Figma App and Instagram model. Hands-on training was conducted during the afternoon session. 44 students participated in the workshop. The session ends at 4:15 p.m.

Power Seminar on "Resume Writing"

A power seminar on "Resume Writing" was organized by ICTACT academy and was coordinated by the BRIGITZ – association of IT on 11th March 2024 from 10.00 a.m. to 11.00 a.m. with Mr. Gregory Manoj, General Manager – Learning & Development, Allsec Technologies Limited as the resource person. The students learned about building a resume and the different modes of presenting a resume for each company.

Workshop on "White-Hat Hacking"

A workshop on "Whit-Hat Hacking" was organized by the BRIGITZ – association of IT on 9 th March 2024 from 11.00 a.m. to 4.15 p.m. with J Antony Reeta, Networking Specialist, Networkz Systems as the resource person. The students learned about the ethics on hacking and various hands-on training on hacking procedures.

NSS Special Camp 2023-2024

NSS Special Camp was conducted from 04-03-2024 to 10-03-2024 at Muzhavilai Village (in association with Kattathurai Panchayat) by NSS Cell (Unit I 1383 & Unit II 1384) Of St. Xavier's Catholic College Of Engineering, Chunkankadai In Association With Anna University, Chennai. The day started with the NSS volunteers assembling at the reception of our college. Our Principal Dr. J. Maheshwaran inaugurated this programme. Our group started at the camp site - Muzhavilai village under the guidance of our NSS programme officers Mr. L. G. X. Agnel Livingston and Mr. F. John Paul around 10:00 am. Our volunteers along with the staff members arrived at Muzhavilai at 11 am. A general meeting was held in which the committee members were introduced by one of our programme officers Mr. F. John Paul and their responsibilities were discussed. The NSS volunteers were divided into 12 teams and team leaders were assigned. Our teams cleaned the ground of St. Joseph Higher Secondary School, Muzhavilai and the surroundings. Mr. F. John Paul and Mr. L. G. X. Agnel Livingston extended heartfelt thanks to the volunteers for their dedication, hard work, and enthusiasm throughout the duration of the camp. They emphasized the importance of community engagement and highlighted the positive impact of the initiatives undertaken during the camp.

Energy Saving Awareness campaign at Mulavilai

The student members of SXCCE G9 EnSAv club, IET visited the Mulavilai village on 09th March 2024 to give Energy Saving awareness to the village people. Around 48 student members
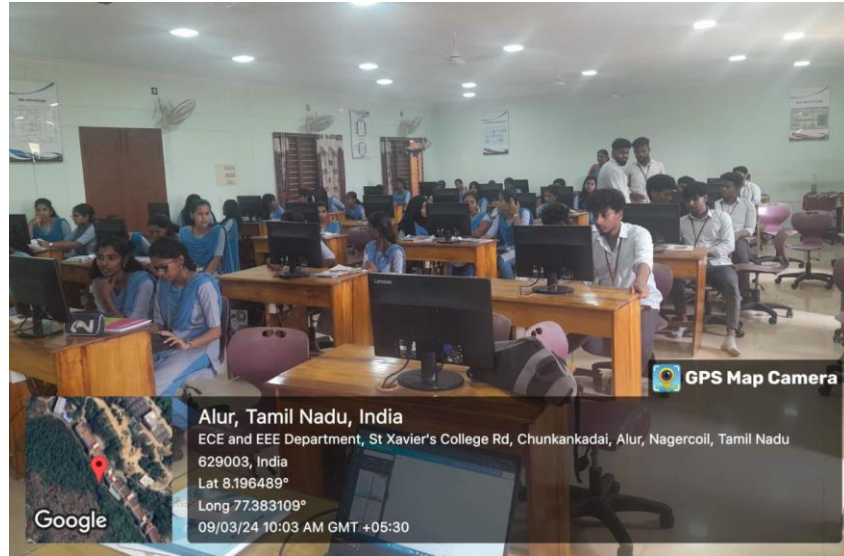
have visited with 5 staff members. The Faculty advisor addressed the student participants, shared what to do while visiting a home and How to give the awareness to the family members. The students were splitted up into 5 batches and staff members were allocated for each batch. The staff members and leaders are responsible to the area given to them. They have to take the students to the allocated area and monitor them. 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. It continued in the afternoon session also. At 4.00PM, the awareness program came to an end with a formal vote of thanks by the coordinator.

Ideathon competition

The Ideathon competition was conducted by IEEE Education Society Student Branch Chapter-62851 on 09/03/2003 with the theme "Advancing technology for humanity" for the IEEE members. The event was started at 9.00 am. The Code of Ethics was read by Ms. Denisha, IEEE member. The welcome address was delivered by Mr. Alanlal, IEEE member. The competition begins with team formation. Eight teams with three members of different departments were formed. The members worked along with their team to find the persisting problem in the society and prepared a presentation on engineering solutions to solve the problem from 10.00 am to 12.15 pm. The teams presented their ideas from 1.00 pm to 2.00 pm. The presentation was followed by the talk of the resource persons Mr. Mohammed Siad, Mr. Sharath, Mr. Benny Jackson, the alumni. The event ends at 2.30 pm. This event helped the members to come up with several new ideas and present it in front of the judges as a team. It helped them to overcome their stage fear and level up their confidence. Overall this event gave us an opportunity to interact with students of other departments.

Hands-on training

The SXCCE ACM Student Chapter organized a comprehensive hands-on training session on Canva, on March 9, 2024. Mr. P. Nithish, a IV year CSE student, who adeptly guided the participants through the intricacies of Canva. He provided a detailed introduction to Canva. Participants were familiarized with the various features of Canva, ranging from its intuitive interface to its extensive library of templates, graphics, and fonts. Throughout the training, the resource person conducted hands-on exercises, guiding participants through the utilization of different designing tools within Canva. Attendees were equipped with practical skills in creating visually appealing posters, flyers, social media graphics, and more. Attendees enthusiastically embraced the opportunity. The event was a testament to the collaborative efforts of the SXCCE ACM Student Chapter in fostering learning and skill development among its members.

HVAC components and its trends

On 9/3/2024 saturday 9.30am ISHRAE sxcce students chapter organised a technical talk and employability skill program on "HVAC components and its trends" at CAD laboratory, Mechanical engineering. Fourty UG students of Mechanical Engineering and ISHRAE members attended the program which provided the students with technical knowledge about the basic components of HVAC, employability oppurtunities in the field of HVAC.
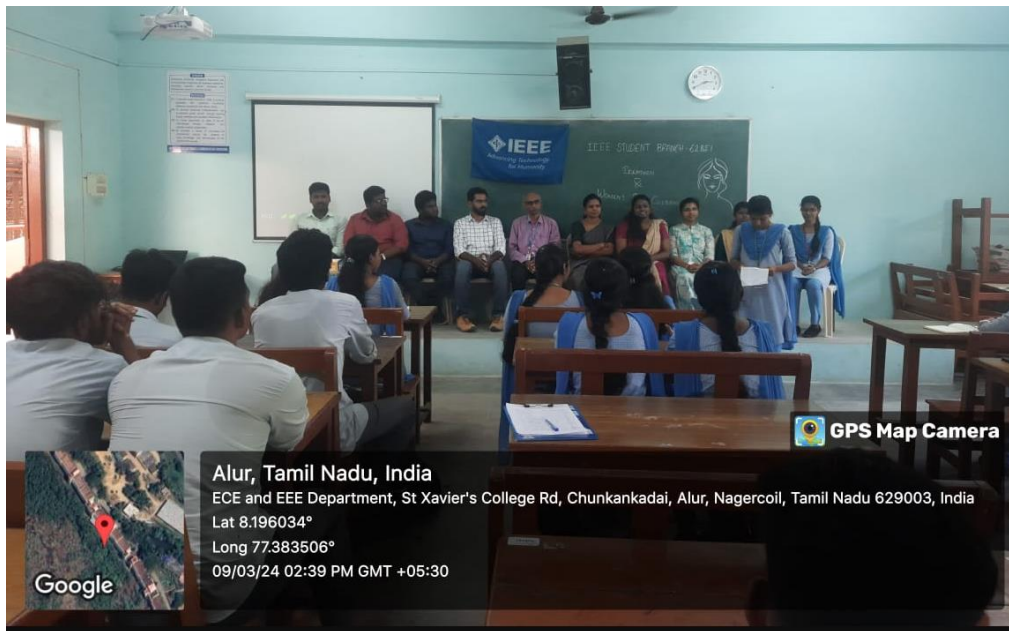
Aero Modeling Contest

This event brought together the students to showcase their skills in designing, building, and assembling the aircraft model. After a series of intense and thrilling rounds, the winners were announced. The Aero Modeling Contest 2024 was a resounding success, celebrating the spirit of aviation and inspiring the next generation of aerospace engineers and enthusiasts. The event showcased the boundless potential of human ingenuity and the enduring fascination with flight. Participants alike are already looking forward to the next edition, where they can push the boundaries of aero modeling even further.

Competitions

In the Morning session, we have conducted the drawing competition and Topic presentation competition for our ISTE members. Theme for these competitions was "Impact of Technology in Society". All the 8 participants have participated in these events. Afternoon, we had the Quiz competition. 3 Batch of students involved in this. In these events, 8 students of various departments were participated.

Women's day Celebration

The Women's Day celebration of IEEE SBA-62851 was organized by Ms. Ashmi S, Vice Chairperson of WIE on 09/03/2024. Around 28 members attended the event. The event started with a welcome speech by Ms. Deepika, IEEE Member. The women's day talk was given by Ms. Ashmi. S, Vice Chairperson IEEE WIE. Following that, poster presentation was conducted. Three participants presented the highlighted global impact of Women's Day, gender equality, women empowerment, and notable achievements of women in various STEM fields in the poster presentation. As an audience, we understand women's contributions in every field and the importance of empowerment and gender equality in our society. On Women's Day, seven of our alumni accompanied us and they spoke about the challenges faced by women. They discussed the rising awareness and gender inequality persisting in many parts of the world. Their empowerment involves providing opportunities for education, economic independence, leadership roles, and decision-making positions as well as nurturing a supportive environment that values and respects women's rights. At the end of this event, we understand women's achievements, awareness of gender equality, and the importance of honouring women. Finally, Abinaya, IEEE member, thanked the audience for their valuable presence, and the event concluded by 4.00 pm.

Design thinking workshop

Design thinking workshop was held in St. Xavier's Catholic College of Engineering on 09-03-2024 at 9.30 a.m. The Resource person of this event was Mr. Neil Kikani, Executive partner of Kikani group and Director of Ragok Medicare Pvt.Ltd., Coimbatore. The workshop focused the concept of Design thinking mindset, Idea to product, Systematic Innovation and Structured Teamwork. Ms. Baby Lisa. K, Assistant Professor, Department of ECE and Ms. A. Annie Portia, Assistant Professor, Department of AI & DS organized this event. Total of 45 students were participated in this event. The Workshop was conducted with the aim of fostering innovation, problem-solving, and user-centricity. The resource person explained the need of design thinking, and the principles and methodologies of design thinking and to apply them to solve a specific problem or challenge. The workshop provided students with a practical framework for addressing complex problems and challenges in a creative and user-centered manner.

Women's Day

Women's Day 2024 was celebrated by Women's Cell on 7.03.24. The program began with a prayer song by the College Choir. The dignitaries on the dais inaugurated the ceremony by lighting the lamp. Women's Cell president Ms. S. Steny Joy (III IT) welcomed the gathering. Our Correspondent Rev. Fr. Dr. M. Maria William presided over the function and he highlighted the importance of women empowerment. Our Principal Dr.J. Maheswaran felicitated the gathering and emphasized on women's education. Chief guest for the program Dr. D. Lekha (Head & Associate Professor, Sree Ayyappa College for Women) was introduced by the faculty advisor of Women's Cell Mrs. F. Adline Aruna. Dr. D. Lekha spoke about the importance given to women from ancient times till the present age. She also tinted the need for women's education in today's society. Our Principal Dr. J. Maheswaran honored the chief guest with a moment. Women's Cell student members graced the stage with their colorful performance. Our Vice Principal Dr. V. Christus Jeyasingh felicitated the gathering with his wonderful ideas about women and their role in society. Women's Cell Secretary Ms. S. Josafa (III CSE) delivered the vote of thanks. The program came to an end with the National Anthem.

Workshop on UI/UX Designing

Electros organized a one-day Workshop on UI/UX Designing for III and IV year ECE students on 07-03-2024 from 9.00 am to 4.15 pm at VLSI lab. The resource person was Ms.S. Sahaya Jesse Monisha, Software Engineer, Networkz Systems, Nagercoil. The resource person explained the concept of UI/UX in detail and hands on training was given to the students. The various job opportunities available in the UI/UX design field were explained.As a result of the workshop, the students acquired a comprehensive understanding of UI/UX principles and gained practical knowledge, enriching their expertise in this dynamic field.

Intradepartment Symposium

The REACH Association, Department of Civil Engineering, organized Intra departmental symposium on 07/03/2024. The events such as paper presentation, poster presentation, Technical Quiz, CAD modelling and Brick and Wall were conducted for the students. 76 Students from II year, III year and IV year Civil Engineering participated in various events Paper presentation, Poster presentation, Technical quiz, CAD Modelling and Brick. Based on the judgement First and Second prizes were announced. All the students actively participated in the competitions and the programme ended by 4:10 p.m.

Workshop

The Department of Computer Applications organized a one-day workshop on "Flutter App Development" on 06-03-2024, at the MCA Lab. The main objective of the workshop is to make the students how to develop a mobile applications using Flutter App Development. The session starts at 9.30 a.m. with the presentation of the resource person K.Akash, Oswin Jerome our II MCA Students. In the morning session, the resource person explained the basics of mobile App Development and frameworks. Hands-on training was conducted during the afternoon session. 46 students participated in the workshop.

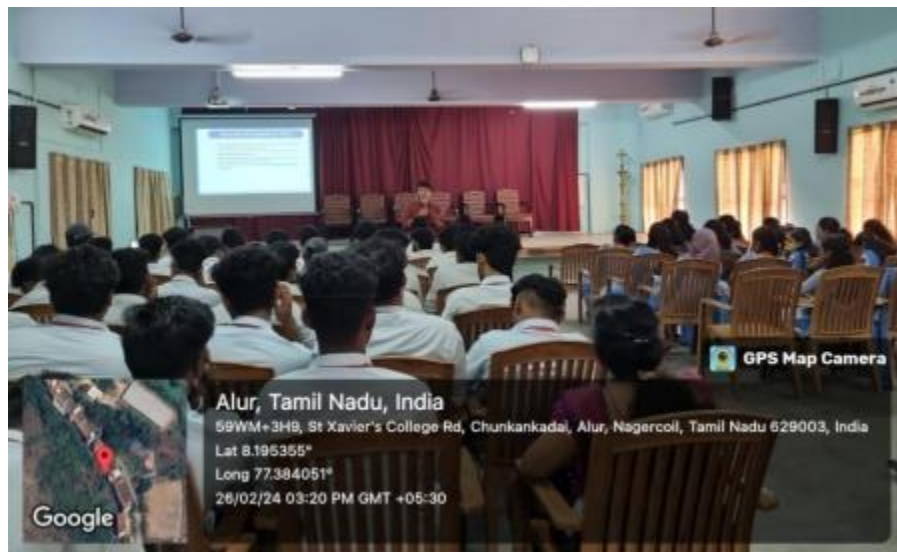**Workshop on Entrepreneurship Skill, Attitude**

The Workshop on Entrepreneurship Skill, Attitude and Behaviour Development was organized by the Institution's Innovation Council of St.Xavier's Catholic College of Engineering on 06-03-2024 in AI & DS Lab. There were around 32 active participants from the department of Artificial Intelligence and Data Science. The event organizers are Dr. R. Jemila Rose and Ms. A. Annie Portia. The resource person, Mr. Ezhil Arasu, Relationship Manager, Networkz Systems motivated the students to constantly push their skills to stay success in this dynamic environment.

Awareness on Social media Reels

The seminar was given to both boys and girl students of our College. The resource person gave a detailed description about various merits and demerits of using the social media by the students. They should be aware of the legal rights, the right way to use it to get benefits and the ways in which they will be harmful to the users and the others.
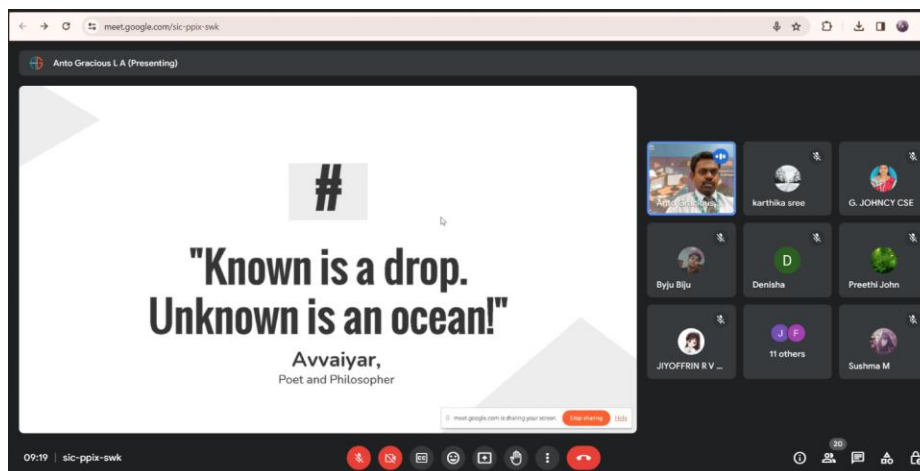
Process of Innovation Development Technology

A Seminar on Process of Innovation development and technology readiness level was organized to develop innovation and technology readiness level among students that helps them to begin
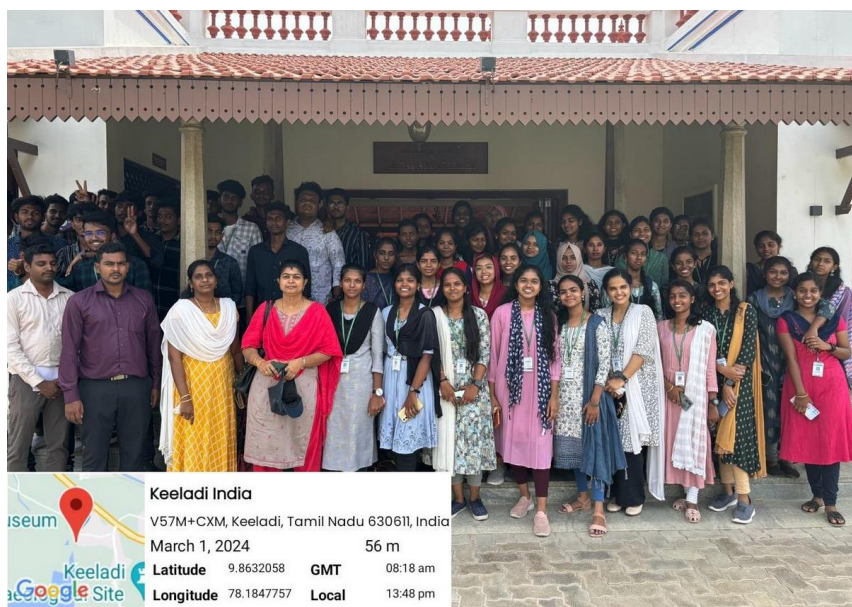
startup by the Institutions Innovation Council on 26-02-2024. 94 students attended the programme.

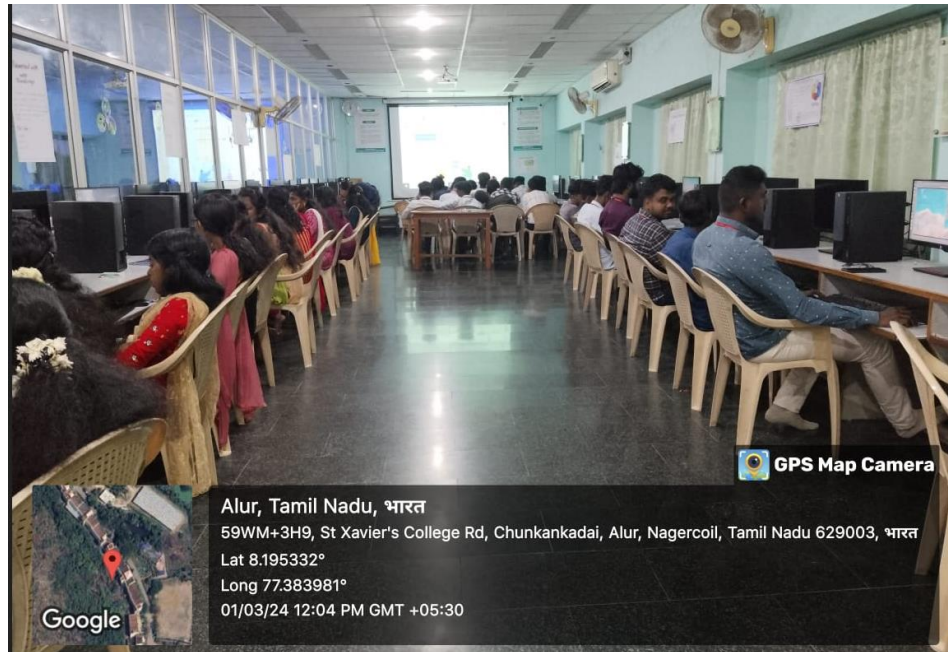**Secure your future cyber security essentials**

The online seminar titled "Secure Your Future: Cybersecurity Essentials for a Connected World" was conducted by L.A. Anto Gracious, an Assistant Professor at R.M.K. College of Engineering & Technology. The seminar aimed to provide participants with essential knowledge and insights into the field of cybersecurity in the context of an increasingly interconnected world. The session concluded with a vote of thanks extended by Ms. M. Sushma, expressing gratitude to all involved parties for their contributions to the success of the seminar. The seminar served as a valuable platform for learning, networking, and inspiring future endeavors in the realm of cyber security.

Field Visit To Keezhadi , Madurai

The field visit took place on 01 /03/2024 for the 2nd year students of Computer Science Department to Keezhadi, Madurai. About 120 students participated in the visit. 4 staffs accompanied with the students. 2 buses were arranged to the visit to Madurai. The buses left the campus by 6:30a.m and reached Madurai by 12p.m. Firstly visited Keezhadi Heritage Museum which was inaugurated by Tamil Nadu Chief Minister M.K. Stalin on 5 March 2023 in Sivaganga, close to the historic archaeological site. Various excavated artefacts like dice made of ivory and terracotta, male and female figurines made of terracotta, iron dagger, and punch-mark coins were on display. The museum also displayed the replicas of the trenches and some of the urns that were unearthed in Konthagai, believed to be the burial site of inhabitants of Keezhadi. Thereafter went to an Archaeological excavation site at Keezhadi where the beautifully crafted earthen pots were found. The buses reached the college campus by 9:30p.m. The field visit took place smoothly, without any chaos or disruptions.

Power Seminar on DevOps

The power seminar on DevOps was organized by ACE for third students of the Computer Science and Engineering department which took place on 01/03/2024. About 120 students participated and about 25 staffs were present. The seminar emphasized automation, continuous integration/continuous delivery (CI/CD), and a shared responsibility for the entire software development lifecycle, from planning and coding to testing and deployment. It was really an enriching program.

National level technical symposium

On 1st March our IET-SXCCE Oncampus have conducted the national level technical symposium Techxplore'2K24. The registration process was started at 9.30 a.m. The inauguration function started with a prayer song and followed by lighting of kuthuvilakku. The welcome address was given by our Faculty Advisor / IET-SXCCE On Campus, Dr .S.S.Selva Pradeep, A.P/EEE and the Chief Guest Address was given by Dr.Y.Raja Kumar, Former Deputy Director of horticulture. Our Principal Dr . J . Maheshwaran, and our Dean –Centre for Research Dr.M. Marsalline Beno, felicitated the gathering. Er.Geoffer Jaish, YP Chairman/IET KKLN have delivered the special guest address. Our Correspondent Rev. Fr. Dr. M. Maria William gave the presidential address, and finally vote of thanks was given by our IET-SXCCE on campus event coordinator, Miss Lakshmi (IV CSE). The inauguration ended with the college anthem by the IET Choir. Next the technical competitions like Paper presentation, Poster presentation, Circuit debugging and quiz were conducted. In the afternoon session few non technical competitions like photography, Admad, memory challenge etc. was conducted upto 3.00pm. The valedictory function was started at 3.30 p.m with a prayer song. The welcome address was given by IET SXCCE Oncampus secretary Ms.Reenu Sosan Kurian. Chief Guest Address was given by Er. Geoffer Jaish, YP Chairman/IET KKLN. Prize Distribution for the participants who have actively participated in the events awarded by Dr.M.Marsalline Beno, Dean –Research & IET-CCSA member, and vote of thanks was given by IET SXCCE Oncampus Chairman Mr.Francis Galo (IV CSE).Finally, the valedictory function ended with the national anthem by the IET Choir.

Seminar on Role of Industry Institution Collaboration

Seminar on "Role of Industry Institution Collaboration to promote Innovation and Entrepreneurship" was organized for the students to give an insight in building entrepreneurship skills in students and to turn ideas into innovative products or services which are commercially viable, by the Institutions Innovation Council on 01-03-2024 in view of National Startup Day. The resource person was Mr. Arun Rajeev Sankaran, Founder & CEO, FinOs. 127 students participated in the seminar.

Science for Sustainable Future

The Science Day event, themed "Science for Sustainable Future," held at St. Xavier's College and organized by the IEEE Student Branch, was a resounding success. Dr .Caroline S, Head of the ECE Department, graced the occasion as the Chief Guest, with Ms. Sushma, Joint Secretary

of IEEE WIE, serving as the event's comparer. The event commenced with Ms. Arathi Krishna K G, Joint Secretary of the IEEE Student Branch, reading the code of ethics. This was followed by a warm welcome address from Sachithanandha Prabhu V M, IEEE Member, setting a positive tone for the proceedings. Ms. Priya R P, Secretary of the IEEE Student Branch, introduced the esteemed Chief Guest, Dr .Caroline S, highlighting her significant contributions in the field of Electronics and Communication Engineering. The theme "Science for Sustainable Future" was eloquently explained by Ms. Kanimozhi, IEEE Member, stressing the importance of utilizing science for addressing global challenges such as climate change and environmental sustainability. Engaging STEM-based science experiments were conducted by Mr. Joshuva Mosay, Mr. Mohammed Abdul Hakkim, Ms. Ashmi, and Ms. Raksha, covering fundamental concepts of physics and chemistry. A series of fun games were organized, fostering teamwork among the participants. Furthermore, a seminar on the 'Theory of Everything' by Ms. Fathima Renosha, Joint Secretary of the IEEE Photonics Society, provided valuable insights into the history of various physics-related concepts. The Science Day event concluded on a high note with a vote of thanks delivered by Mr. Adam S, IEEE Member.

Innovation in Professional Development

The session on "Innovation in Professional Development and Lifelong Learning" was organized on February 28, 2023 by St. Xavier's Catholic College of Engineering, with the aim of exploring new approaches and strategies to enhance professional growth and promote lifelong learning in various fields. The event commenced at 10:45 am with a warm welcome extended to the guest speaker, faculty members and all the students. The session was led by the resource person, Mr. R. Florin Raja Singh, Assistant Professor, Department of ECE. He introduced the theme of the National Science Day of this year ie "Indigenous Technology for Viksit Bharat." After that, he emphasized the importance of patience, which requires the backward reaction and hard work in one's life with the help of some examples. Around 115 students attended the session. The session ended with a vote of thanks. The event was a resounding success and got a positive feedback. Overall, the session on "Innovation in Professional Development and Lifelong Learning" contributed significantly to the academic and personal development of the budding engineers.

New Product Design & Development using Solid works

A workshop on new product design & development using solidworks was conducted for III-year mechanical engineering students on 26/02/2024 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 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 e to develop it. In a total of 56 students participated interestingly and learnt to design and develop new product design using solidworks easily which made the program the successful one.

Competitions

In view of International Women's Day, Women's Cell conducted few competitions to bring out the talents of young minds. Students came up with different ideas to exhibit their talents. Competitions like Essay Writing, Poster Presentation and Pencil Drawing were conducted and

judged by the faculty members, Dr.M. Maenu, Dr. S. Sreeja and Dr. J.P. Vidhya. Prize for the winners will be given during the International Women's Day Celebration.

A workshop on Employability Skills

The workshop on "Employability Skill" was organized by the Tamil Nadu Naan Mudhalvan Scheme and coordinated by the BRIGITZ, the association of Information Technology with Mr. A Thivakara, Trainee, Naandhi Foundation as the resource person was held on 22nd, 23rd, and 24th of February 2024. About 40 of the final year IT students participated to learn various employability skills – skills to thrive in the job market, interview skills, skill to be attained during interviews. The students also learned to set smart goals, how to build a resume, project management skills, management techniques etc.
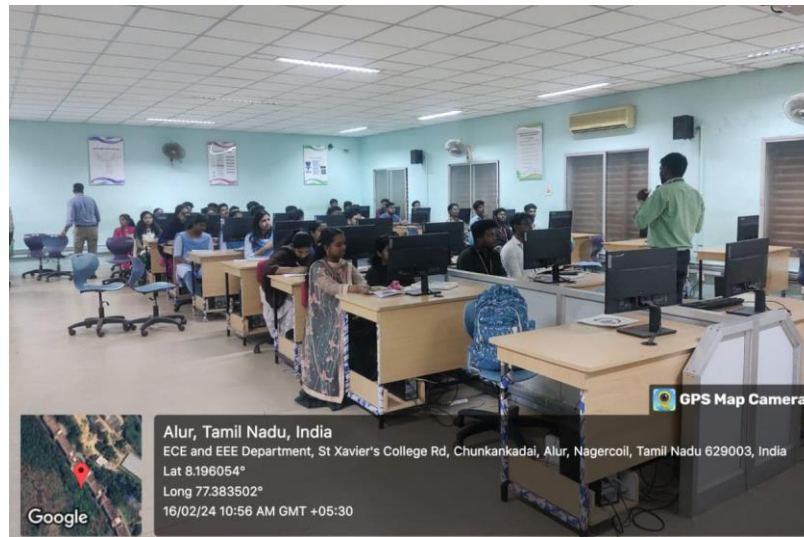
Seminar on Industrial Safety Engineering

Industrial Safety Engineering is a critical field that focuses on identifying, evaluating, and mitigating potential hazards and risks in industrial settings. These professionals play a vital role

in ensuring the safety and wellbeing of workers, protecting the environment, and minimizing the risk of accidents, injuries, and financial losses for companies. To pursue a career in Industrial Safety Engineering, individuals typically need to obtain a bachelor's degree in safety engineering, occupational health and safety, or a related engineering field. Some employers may prefer candidates with a master's degree or professional certifications, such as Certified Safety Professional (CSP) or Associate Safety Professional (ASP).

Role of Innovation In Developing An Entrepreneural Mindset

Workshop on "Role of Innovation in Developing an Entrepreneural Mindset" was organized by the Institutions Innovation Council, to foster an entrepreneurial mindset, as it encourages individuals to think outside the box, take risks, and constantly seek new opportunities on 16-02-2024. The resource person Mr. R. Robert AP/ECE, Startup Coordinator, Annai Velankanni College of Engineering encouraged the students to become entrepreneurs. Around 49 students attended the programme.

Awareness Program on Fire and Safety

A training program about 'Fire and Safety was held on 22.02.2024 for third 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. The resource person, Miss. Sheeba, Trainer, IRSC Safety Institution, Nagercoil clearly explained about the importance of safety in today's modern world and the courses them offering for training like Nebosh, IOSH, Diploma in fire and safety and all other safety courses and also providing the training. 97 students participated in the event.

Innovation and Entrepreneurship in Prestressed Concrete

To give an insight of innovation and entrepreneurship opportunities in the field of prestressed concrete structures, a Seminar on "Innovation and Entrepreneurship in Prestressed Concrete Structures" was conducted for the Civil Engineering students on 21-02-2024, by the Department of Civil Engineering and Institutions Innovation Council. The resource persons were Mr. A. M. Arul Danie, Design Engineer, Mr. M. Geo Damin, Design Manager, SF Engineering System. About 43 students attended the seminar.

Embracing Innovation and Entrepreneurship in Education

To give an insight of innovation and entrepreneurship opportunities in education, a seminar on "Embracing Innovation and Entrepreneurship in Education", was organized for the Civil Engineering students on 19-02-2024 by the Department of Civil Engineering and the Institutions Innovation Council. The resource person Mr. R. Rajesh, District Coordinator, Entrepreneurship Development and Innovation Institute, Govt. of TN, explained in detail about innovation, entrepreneurship and startups. 54 students attended the seminar and got benefitted.

Workshop on Blender 3D design

A Workshop on Blender 3D Design was organized on 15-02-2024 & 16-02-2024 by the Department of AI&DS. The Resource Persons were Mr. Ahmed Shafeek, Mr. Jensilin Brisho & Mr. Santhosh Sharuk. 63 students attended the workshop. In the first day session, the resource persons give brief Introduction of Blender 3D, its Features, Installation process, and application of the software. The afternoon session the students worked on fundamental design works like creating the floor plan and interior modelling. The second day a thorough explanation on 3D modeling Rendering and Coloring was given by the resource person and the students enjoyed the session and were able to complete the tasks assigned to them.

Seminar on Immersive technologies

Seminar on "Immersive technologies" was held on 14/02/24 at St. Xavier's Catholic College of Engineering. It was organized by Society of Electrical Engineers (SEE). The speaker was A.Sundar Raman, National head , Seopik Edutech. . In this session we have learned much more about immersive technologies. Immersive technologies create distinct experiences by merging the physical world with a digital or simulated reality. Augmented reality (AR) and virtual reality (VR) are two principal types of immersive technologies. Then our class students are using a virtual reality headset (or VR headset) as a head- mounted device. It was an amazing session.

Seminar on Pollution control and Road Safety

The REACH Association along with Institution's Innovation Council organized a Seminar on Pollution Control and Road safety for Civil Engineering and ECE students 14/02/2024. The Chief Guest was Mr. P. Baskaran, Divisional Engineer, Highwaays Department, Nagercoil. The resource persons were Tmt. J. Sasikala, Mrs. M. Lakshmi Priya, Mr. T. Selvan, Assistant Divisional Engineer, Highways Department, Road Safety Wings, Tirunelveli. Our Alumni, Mr. S. Aravind, Assistant Engineer, Highways Department, Tirunelveli also accompanied along with them. The seminar started at 11:30 a.m. at Einstein Seminar hall. The welcome address was delivered by Ms. Heelna V J, Final year/Civil. Our Principal, Dr. J. Maheswaran, felicitated the gathering. Around 104 students from third and final year Civil department and final year students from ECE department participated in this seminar. The resource persons explained the causes of pollution due to vehicles and also the reasons for accidents. They also explained the symbols of roads and the precautionary measures to prevent road accidents. The session was very interesting and it created awareness among the students. Finally the Vote of thanks was delivered by Mr. Nishad Nazar, III year/ Civil.

Seminar on Structural detailing using Software

The REACH Association, Department of Civil Engineering, organized a seminar on Seminar on Structural Detailing using softwares on 13/02/2024 in Civil Computer Lab. The resource persons were N. Subash, K. Vikram, Co-ordinator, Edu CAD Tech, Nagercoil. 52 Students from III year and IV year Civil Engineering attended the seminar. The session provides fundamental concepts of analysis and design of structures. The resource person explained the structural detailing of different structures using AutoCAD, Revit, Etabs and Techla. The seminar was very informative and the students gained knowledge on the applications of fundamental concepts of analysis and design of a structure.
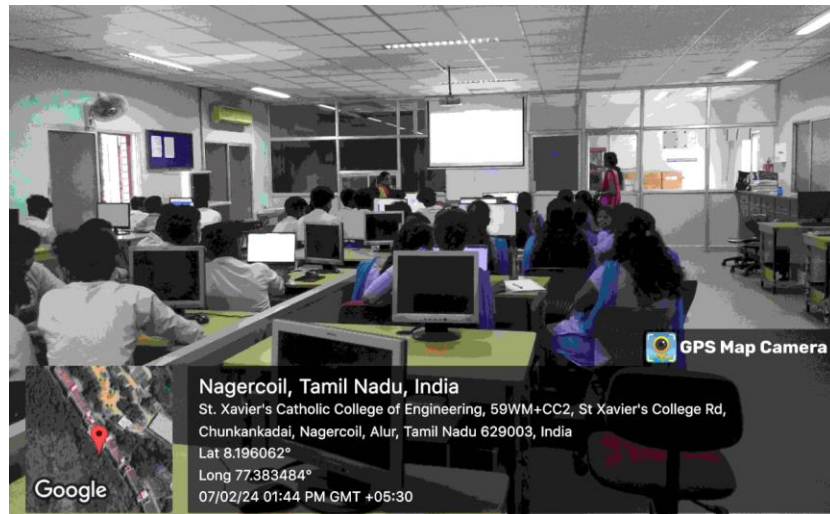
Orientation session on placement drive

The REACH Association arranged an Orientation programme on Placement Drive on 12/02/2024 in Civil Computer lab for the final year Civil Engineering Students. Er. P. Keerthi Puvana (Alumni), Trainer, Edifice Technologies handled the session. She explained the oppurtunities and the available vacancies in the upcoming placement drive to the students. She

also provided guidance to students about placement drives. She motivated the students to attend all the placement drives so that the students get experience. The session was very useful to the students.

Data Analytics & Visualization

Electros conducted a value added course on Data Analytics and Visualization using Tableau and Power BI for the third-year ECE students from 29-01-2024, to 02- 02-2024, for the ECE A Section, and 05-02-2024, to 09-02-2024, for the ECE B Section, to bridge the curriculum gap for the academic year 2023-2024. The experts were from Chek In Tek Hardware Academy,Attoor. The course covered the fundamentals of data analytics, its practical applications, and the available tools for data visualization. The sessions included a combination of lectures and hands-on exercises. Overall, the sessions were highly informative, and students acquired valuable knowledge and practical skills in working with Tableau and Power BI.

Workshop on AI-Tools

The AI Tools Workshop held at St. Xavier's Catholic College of Engineering on February 10, 2024, provided an insightful exploration into the realms of artificial intelligence (AI) tools. Organized by the Education Society, the workshop commenced with a thought provoking Code of Ethics reading, followed by engaging sessions on AI tools. The workshop served as a platform for students to delve into the burgeoning fields of AI tools through hands-on activities and informative seminars. The morning session commenced with Mr. Mebin Raja, an IEEE member, invoking principles of ethical conduct, setting the stage for a day of learning and discovery. Subsequently, Ms. Kiruthika, Treasurer of the Women in Engineering (WIE) group, extended a warm welcome. Mr. Byju and Ms. Ashmi, Vice Chairs of the IEEE Student Branch and WIE respectively, delivered insightful seminars on AI tools. The session culminated in engaging fun games facilitated by Mr. Mohammed Abdul Hakkim, Ms. Eme Breeza, and Ms. Kanimozhi, fostering teamwork and coordination among participants. The session concluded with a vote of thanks extended by Mr. Dinesh D.

WORKSHOP ON BLENDER

The Blender 3D Workshop, held at St. Xavier's Catholic College of Engineering on February 10, 2024, provided students with an immersive learning experience in the fields of Blender 3D software. Organized by the Education Society, the workshop commenced with a Code of Ethics reading and a welcome address, followed by an insightful Blender seminar conducted by IEEE members. The practical sessions enabled students to familiarize themselves with Blender and create 3D models, culminating in a successful and enriching day of learning. The morning session began with During the Blender seminar led by Mr. Joshuva Mosay, Treasurer of the IEEE Student Branch, and Ms. Raksha, Vice Chair of the IEEE Education Society, students were provided with a comprehensive overview of Blender and its industrial applications, highlighting its versatility in fields such as animation and gaming. Overall, students expressed satisfaction with the workshop, appreciating the opportunity to learn from their peers.

Hands-on training on Cyber threats & network security

SXCCE ACM Student Chapter (124771) and ACM-W Student Chapter (190059) organized hands-on training session focusing on cyber threats and network security. The primary objective of the session was to provide practical knowledge and skills to participants, comprising pre-final and final year students from the departments of Electronics and Communication Engineering (ECE) and Information Technology (IT), to effectively mitigate cyber threats. The session was led by Er.M. Dinesh Singh, an esteemed alumnus of the institution and former Chairperson of the ACM Student Chapter. With his knowledge in the field, the resource person commenced the session with an insightful overview of cyber threats, elucidating various types of malware and worms with real-world examples. The SXCCE ACM Student Chapter and ACM-W Student Chapter expresses its sincere appreciation to Er.M.Dinesh Singh for his invaluable contribution to the success of the training session, as well as to all participants for their active engagement and commitment to enhancing cyber security knowledge.
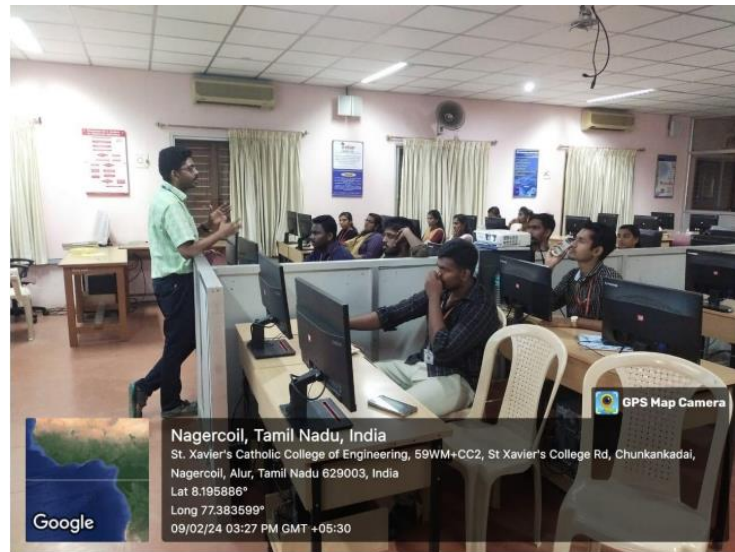
Orphanage Visit at St. Charles Home

Our IET-SXCCE On Campus members have visited an orphanage St. Charles Home, Pampanvilai, Asaripallam on 10/2/2024.It is a home for 36 mentally retarded orphans. Our IET SXCCE Faculty Advisor Dr.S.S.Selva Pradeep, welcomed the gathering and then few cultural

programs and fun games were conducted by our IET members for making them happy and then lunch were provided by our chapter. Finally all the IET members danced along with the students in the orphanage and enjoyed the event. 17 student members have actively participated the visit.
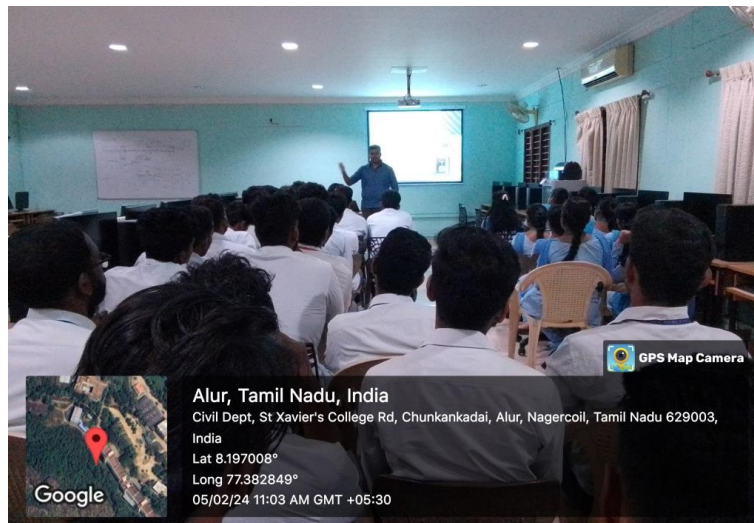
Hands on Training

Hands on Training on "Python and IOT" was held on 09/02/24 at St. Xavier's Catholic College of Engineering. It was organized by Society of Electrical Engineers (SEE). The speaker was Er. F. Antony Jeffery Vas, AP/ NEC. This Hands on Training aimed to provide a strong hold in base of python programming. The resource person focused on fundamental concepts of base of python programming. The training comprises of a series of lectures and practical exercises. The students got a chance to learn in depth about python programming. The session turned out to be a major successful event, imparting lot of knowledge about python programming and its applications.

Orientation Program on Abroad Willingness

An Orientation Program on Abroad Willingness was conducted on 5/2/2024 for the III CSE, ECE students. 58 students attended the programme. Dr. C. Selvamony, ACS International Consultancy addressed with knowledge of how to study in abroad, what are the facilities available, what scholarship are available and how students can achieve it. Students gathered information about studying in abroad with needed facilities.

Seminar on Additive Manufacturing

The REACH Association, Department of Civil Engineering, organized a Seminar on Additive Manufacturing on 05/02/2024 in Civil Computer Lab. The Resource Person was Mr. Anesh Darrel A, Executive Director, Darrels AM Research and Reverse Engineering Labs Pvt Ltd. 34 Students from III year and IV year Civil Engineering attended the seminar. The resource person explained the latest technologies of 3D printing in buildings. The session provides an overview about the additive manufacturing technologies such as Extrusion Material, Binder jetting and Selective layer. The seminar was very informative and the students gained knowledge on the applications of 3D printing in buildings.

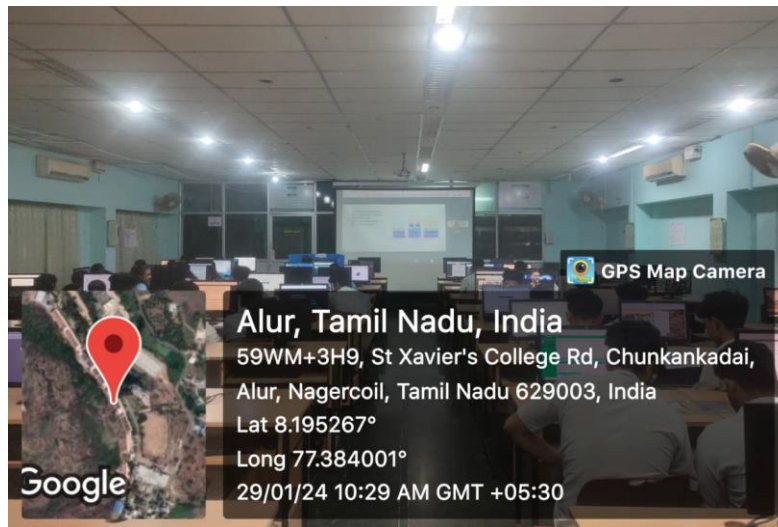**Industrial Visit to Saahas Zero Waste Company**

A group comprising three faculty members and 53 students from the Department of Information Technology embarked on a two-day industrial visit to Bangalore. Day 1: 02-02-2024 The first day visit includes Street Light Pole manufacturing company, Hindustan Aeronautics Limited (HAL) and the Vishveshwaraiah Industrial and Technological Museum (VITM) in Bangalore, Karnataka. Day 2: 03-02-2024. The second day included a visit to Saahas Zero Waste Company. These visits provided hands-on exposure to aerospace technology, space science, and environmental sustainability, offering valuable insights into real-world applications relevant to their field of study. Overall, such industrial visits are invaluable for students as they provide practical exposure to real-world applications of their field of study and can inspire future career paths and research interests.

YI KANYAKUMARI YUVA EXECUTIVE COMMITTEE FORMATION
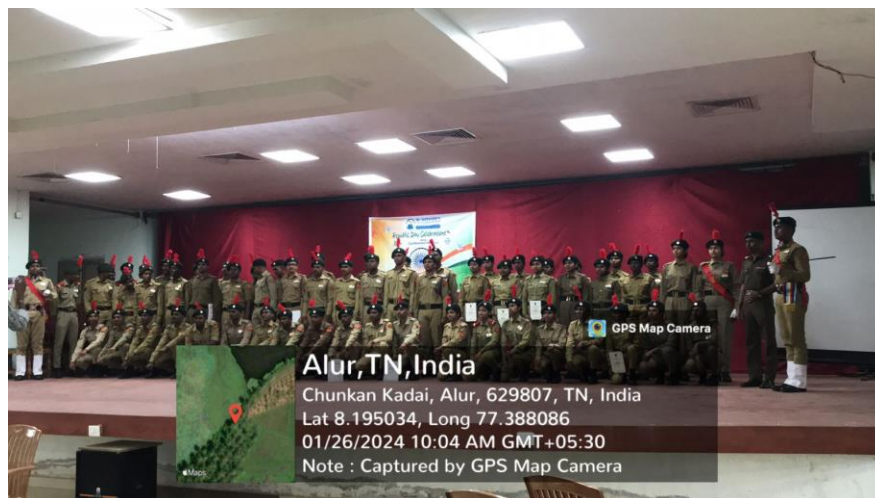

YI Kanyakumari Yuva Executive Committee Formation event was held in St.Xavier's Catholic College of Engineering on 01-02-2024 at 3.00 p.m. The Yi Kanyakumari YUVA members organized the event. The Resource persons of this event are Mr. Ramkumar Sivakumar, partner of FlutterFrog Software Solutions and Mr. Nishwin Isaac, Director of Arctic9 Creative Agency. The Resource persons addressed the verticals of YUVA and how it empowers passionate college students from across the country to take the lead and shape the growth of India. They also addressed the numerous leadership projects and initiatives of the vertical shape and refine today's young students into tomorrow's influential leaders. The YUVA Executive committee was formed in this event. Ms. A. Annie Portia, Assistant Professor, Department of Al & DS organized this event and Ms. Baby Lisa. K, Assistant Professor, Department of ECE coordinated this event. Total of 20 students participated in the Committee Formation who aspires to become the young entrepreneurs of India to diligently participate in our country's economic growth with their start-ups.

Webinar on microservices with golang

The webinar on "Microservices with Golang" was conducted exclusively for Final year students within the Computer Science & Engineering department.This webinar provided a basic introduction about the Golang. One notable highlight of the webinar was the intriguing comparison drawn between the working atmostphere in the germany and India. This event provided a valuable opportunity for these budding engineers to delve into the intricate world of software development artifacts.

Republic Day Celebrations

The 75th Republic Day was celebrated in our college premises on 26th January, 2024. The celebration started with March Past by NCC students. Our Correspondent Rev.Fr.Dr.M.Maria William hoisted the National Flag and followed by Pledge, Flag Song and Preamble of the Constitution. The special program then started with Welcome Address by Constitution club. The event was presided over by our correspondent Dr.M.Maria William. In his speech, he highlighted the importance of constitution and its unique features such as Sovereign, Socialism, secularism,

democratic and republic enshrined in the Preamble of the constitution. Our Principal Dr.J. Maheswaran and Vice-Principal Dr.V.Christus Jayasingh felicitated the gathering. Our Bursar Rev.Fr.M.Francis Xavier gave a Special Address on that occasion. The vote of Thanks was proposed by YRC volunteer S.Rayan first year Mechanical B. Students entertained the gathering with a patriotic song, poetry and dance. The programme ended with National Anthem. Sweets were distributed among the participants. This program was organized by YRC, NCC, NSS, Sports club and the Constitution club.

Intra Hackathon for Dark Patterns Buster Hackathon

Dark Patterns Buster Hackathon (DPBH-2023) is a pioneering initiative aimed at challenging students to ideate strategies and solutions to combat deceptive design practices in the e-commerce digital platforms. The mission behind DPBH-2023 is to foster a culture of ethical innovation and problem-solving, addressing the pressing issues we encounter in our online e-commerce experiences. This hackathon is a joint initiative of Department of Consumer Affairs, Ministry of Consumer Affairs, Food and Public Distribution, Government of India and IIT (BHU), Varanasi is the implementation agency for this nationwide event. St. Xavier's Catholic College of Engineering is one of the nodal centers for DPBH-2023. The intra Hackathon (second round) for Dark Patterns Buster Hackathon (DPBH'23) was conducted at St. Xavier's Catholic College of Engineering on 23.01.2024 from 9.30 AM to 12.30 PM. 11 teams participated and presented their solutions in front of the jury members. The best teams will be selected by the coordinator of DPBH'23 based on the evaluation sheets forwarded by the nodal center to participate in Round 3 Grand Finale at IIT (BHU).

Awareness rally on Road Safety

In 2024, the National Road Safety Month to sensitize citizens and road users about the severity of the challenges of road safety is observed from 15th January -14th February 2024. In order to create awareness on 'Road Safety' to the cadets and to the public a rally was organized by 11 (TN) BN NCC, Nagercoil on 20-01-2024. Cadets from Pioneer Kumaraswamy College, Scott Christian College and St Xavier's Catholic College of Engineering with the strength of 160 cadets (SXCCE – 37 SD & 18 SW, Scott – 30 SD & 25 SW and PKC - 21 SD & 29 SW) participated in this rally. Under the guidance of Col C P Unnikrishnan, Officer Commanding, 11 (TN) BN NCC, Nagercoil, the arrangements were done by the ANOs of these colleges. The rally was flagged off by Dr Indira, Principal, Pioneer Kumaraswamy College. Dr Rexin Thusnavis, Vice Principal of that college was also present on this occasion. Earlier Maj S Edwin Gladson, ANO, St Xavier's Catholic College of Engineering explained the importance of Road Safety and briefed about the program. Lt Ben, ANO Scott Christian College and Lt Radhika, ANO, Pioneer Kumaraswamy College advised the cadets to follow traffic rules. Rally started from Pioneer Kumaraswamy College at about 9.30 am, passed through Parvathipuram junction and reached Scott Christian College. Cadets created awareness to the public on the importance of road safety. Awareness Slogans were voiced by the cadets throughout the rally. Flyers narrating the need to follow the road rules were distributed to the public. Inspector Jeyalaksmi and a team of Police personal from Nesamony Nager Police station regulated the traffic and ensured the smooth conduct of the rally.

Pongal Celebration Competitions

The Kolam competition was held for the students on 10-01-2024 at 9.00 am in view of recalling Tamil heritage and culture, conducted by the Tamil Mantram. Also, Tamil elocution and essay writing competitions were conducted on 12-01-2024. Around 100 students participated in the events.

Science Exhibition and Kumari Festival

SXCCE organizes Science Exhibition and Kumari Festival as a part of Silver Jubilee Innovation Showcase (SIS '24) on 11 th and 12 th January 2024. Around 500 students have eagerly participated in creating and shaping the exhibition. About 2000 members from schools, colleges,
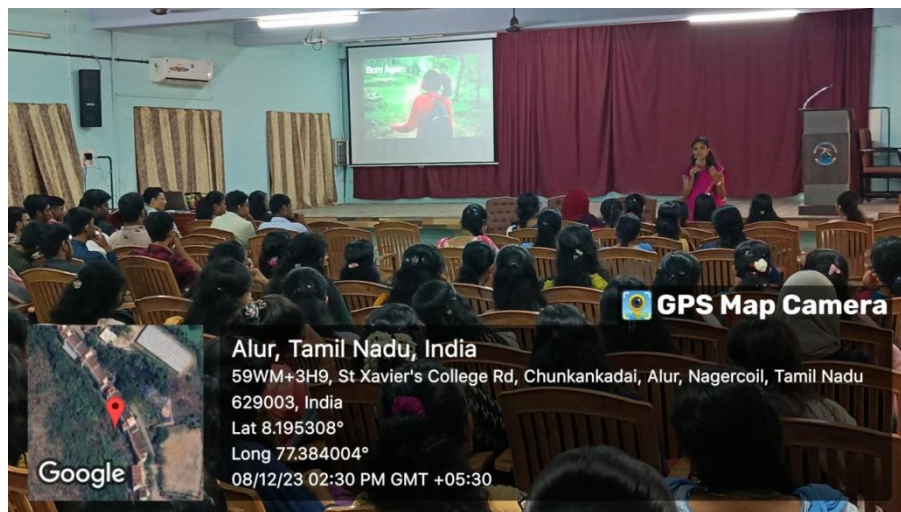
organizations visited the exhibition. The event was started at 9.00 AM on both days. The main objective of this exhibition is to develop the practical knowledge of the students. In the exhibition, the students showcased various engineering working models.

Industrial Visit KKNPP

Department of Management Studies, SXCCE had arranged for an Industrial Visit to Kudankulam Nuclear Power Plant. The visit started from St. Xavier's Catholic College of Engineering, Chunkankadai at the time 8:30 AM IST. Then the visit was completed at 5:00PM IST. The students got to see the various areas of the plant which was nearly 6000 acres. We were also visited the simulator i.e. the demo control room. Finally at the end of the visit, we were provided with pamphlets, story books and colour books related to KKNPP. This visit motivated us to develop a new quality to save the electricity which may light up the smile in someone else face

My Story Motivational Session by Successful Innovation

A session on "My Story Motivational Session by Successful Innovators" was organized by the Institution Innovation Council on 8-12-2023 to give an insight in building entrepreneurship skills in students. 45 students participated in the session. The resource person Renee Jebaline, Crochet
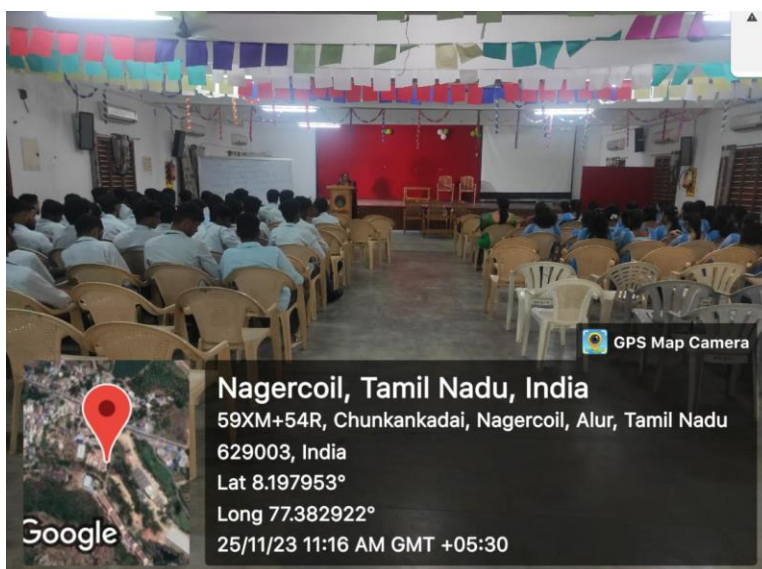
Pattern Designer, Guinnes Record Holder, Director Schoenen DIS LLP, inspired the students with her motivational talk.

Intra College Pencil Drawing Competition

In view of Indian Constitution Day Intra College Pencil Drawing competition on "Harmony of Rights in the Indian Constitution" was organised by the college Constitution Club to create awareness about Indian Constitution among the students. Totally 28 students from different departments participated in the competition and 2 judges Ms. Flora Dani C. M, Assistant Professor, Department of Civil Engineering, SXCCE and Dr. Sahaya Beula D, Assistant Professor, Department of MBA, SXCCE examined the drawings and creamed off the winners. Shaanika J from I year ECE B won the first prize of cash award Rs.1000 with trophy, Jersha Daries J from I year ECE B Department won the Second prize of cash award Rs.500 with trophy and Valana Mary A from I year ECE B Department won the third prize of cash award Rs.300 with trophy.

Eliminating Violence against Women

The Anti-Gender Harassment Committee & Women's Cell of the college organized a seminar on "Eliminating Violence against Women" on 25.11.2023. The Resource Person was Adv.Usha Basi, State Joint Secretary, AIDWA. 95 students attended the seminar. The seminar was given to both boys and girl students of II year students of our College. The resource person gave a detailed description on various legal rights of women and about the statistics of various countries in the world providing legal protection to women. She also explained the violence against women at home and workplaces and told different ways to avoid them.

Rally - Brutality against women

The Women's Cell & Anti Gender Harassment Cell organized a Rally on 25.11.2023. 34 students and 7 faculty participated in the rally. The Rally on Brutality against Women was organized by Kuzhithurai Diocese on 25.11.2023 Saturday from Kuzhithurai post office to Vettuveni. Women's Cell members and the staff representatives along with Anti Gender Harassment Cell members and staff attended the rally. College students and women from various churches of Kuzhithurai diocese took part in the rally. The purpose of this rally is to create awareness about violence against women in domestic and working environment. The rally began at 3.00pm. It was initiated by Mrs. Shiny, Secretary of women welfare Kuzhithurai diocese. At 4.30 it reached vettuveni and ended with a short meeting.

Kalluri Kalatta

On 23rd November, 2023, Kaloori Kalata, a program was organized by the Radio Club of St. Xavier's Catholic College of Engineering, in collaboration with All India Radio Station, Konam, Nagercoil. Two radio jockeys from the station visited our college to host this live event. Dr. S. Absa and Dr. Amal Raj, coordinated the event with participation from over 50 students. The event was broadcasted live throughout the Kanyakumari district at 11:00 am. The hosts made the event interactive and enjoyable by involving students in various tasks, including brainstorming riddles, Tongue twisting, insightful poems, beautiful songs, and interesting technical facts. The event provided a platform for students to showcase their talents to the public, culminating in a motivating story aimed at inspiring youngsters.

Industrial Visit

Department of Management Studies, SXCCE had arranged for an Industrial Visit to Hatson Agro Production Limited located in Tirunelveli, Tamil Nadu. The visit started from St. Xavier's Catholic College of Engineering, Chunkankadai at the time 8:15 AM IST. Then the visit was

completed at 3:00 PM IST. The bus reached the industry by 10:00 AM IST, after attendance check the students were let in the industry seminar hall. The visit consists of 46 students along with two faculty members Mr. G. Jenit Hanson Assistant Professor and Dr. D. Sahaya Beula Assistant Professor of MBA department. The purpose of the industrial visit is to provide students a real-life experience in the work place and gain practical knowledge on the operations in the industry.
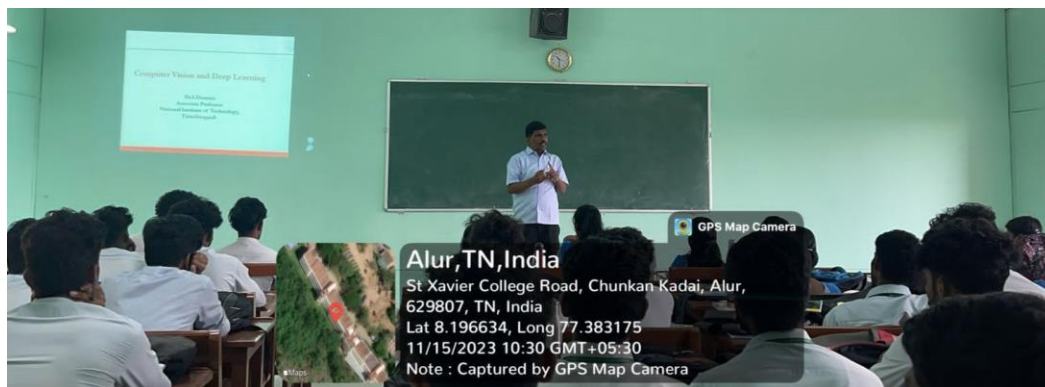
AI for Embedded Systems

The Seminar on AI for Embedded System was held for 2nd year students of Computer Science Department. About 120 students participated in this beneficial seminar. The seminar on AI for Embedded Systems proved to be a rich source of knowledge, fostering a collaborative environment for professionals to exchange ideas and insights. The event aimed to foster a deeper understanding of how AI technologies can be integrated into embedded systems to enhance functionality, efficiency, and performance. The resource person was Mr.Sugith, Networkz Systems, Nagercoil.

Educational Tour

Department of Computer Applications of St.Xavier's Catholic College Engineering had organized a tour to Marayoor, Munnar and Vagamon from 15/11/2023 to 18/11/2023. Forty Seven students of II MCA participated in the trip and were accompanied by two faculty members,Mrs. Jasmin Annie Genefer and Mr. J. Jenifer Jose. The trip to Marayoor started at 7:00 pm from the college on 15/11/2023. After a long journey by road, We reached the hotel Safair in Adimali, Munnar at 05:00 am in the morning of 16/11/2023. We had breakfast there at 09:00 am and left the hotel @ 10:00am to Marayoor. We reached there @ 11:30 am and spent the day there. We left Marayoor @ 04:00 pm in the evening. Next day began with a drive at 9 o'clock in morning to Munnar, a beautiful place in Idukki district situated in the western parts of Kerala. It is famous for its serene environment, lush green forest and tall mountains. There are numerous places to be visited.. Lastly, on the third day of our tour, we visited Vagamon, Meadows and the evergreen environment and to finish off the wonderful trip, students went shopping for their loved ones. With this tour, students have got an opportunity to enrich themselves with the greatness of nature, and in happiness they received in acknowledging it. Moreover, with the help of this tour, students were able to withstand the harsh climate. They have experienced the moral, 'Unity is Strength'. They enjoyed the beauty of nature which helped them to relieve their stress.

Seminar

A Seminar on Deep Learning techniques and Computer vision was conducted on 15/11/2023 by the Department of Master of Computer Applications. About 54 students participated in the seminar. The resource person was Dr.S. Domnic, Associate Professor, Department of Master of Computer Applications, NIT. Trichy. The main objective of the seminar is to create awareness in Deep Learning techniques and Computer vision. The resource person explained the basics of Machine Learning and Computer Vision tasks which includes the methods for acquiring. processing, analyzing and understanding digital images, and extraction of high-dimensional data from the real world in order to produce numerical or symbolic information. The students were motivated by the expert talk and the session is useful and informative.

Seminar on AR and VR

A workshop on AR and VR was conducted for the 2nd students of CSE department, fostering a deeper understanding of these emerging technologies like Augmented reality and Virtual reality. About 100 students participated in this session. A detailed description about the course was given. It was an interactive session discussing the limitless possibilities of AR and VR development. The resource person was Mr. Pradeep, Scopik Edutech, Chennai.

Orphanage Visit

The outreach staff and outreach students of SXCCE visited 'Nava Jeevan' Orphanage at Pampanvilai, Asaripallam on 10/11/2023. This wonderful initiative was spear headed by the outreach Co-Ordinator was executed efficiently by the outreach staff and outreach students of SXCCE. The students donated food items, clothes and blankets. They made these donations wholeheartedly with exuberance for the cause. Old-age at the orphanage were excited to meet our staff and students. Together they sang, danced and played games. The interaction brought smiles on the faces of the workers as well as the orphans at the orphanage. It was a joyful occasion as they learnt about Sharing and Caring. Our students truly experienced the 'Joy of Giving'. Finally, we the staff and students provided lunch to all the inmates and workers of the orphanage and we all joined with them in the special lunch we provided.

Industrial Visit

An industrial visit to UST Global,Trivandrum, was organized by Department of Computer Applications. Two staff members, Dr. F. Ramesh Dhanaseelan and Ms.M. Jasmin Annie Genefer, accompanied the 64 I MCA students who took part in the Industrial visit. On November 10, 2023, the visit to UST Global left the campus at 6:30 a.m. The session start at 10:30 am, Mr.Shanu Kumar Ramakrishnan Thambi, resource person US Technology, presented a seminar. The individual provided a concise overview of the organization, detailing its facilities, internship programs and placement strategies, preferred skill sets for hiring, work schedule, projects carried out, and work environment.

LinkedIn Career Kickstarter Program

One day training LinkedIn Career Kickstarter Program organized by the Naan Mudhalvan team to all students by FACEPrep on 9/11/2023. The students were explained about creating LinkedIn account. 1414 students attended the program.

Idea Presentation Competition

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

Xibita 8.0

The Inaugural session started by 10.00 a.m. with a prayer song and Sahaya Rinosha S.A.the Student Secretary of XIBITA 8.0 delivered the welcome address. The Organizing Secretary of XIBITA 8.0 Dr.M.Babima Asst. Prof. gave an insight about XIBITA 8.0. Principal Dr. J. Maheswaran felicitated the gathering. Ms.S.Jasmine Suguna, HOD of Management Studies

introduced the Chief Guest and the function was inaugurated by the Chief Guest Adv. T. Amal Raj, the Assistant Manager of HSSE (LPG) at Bharat Petroleum-LPG plant, Trivandrum, delivered an inspiring speech emphasizing the values of excellence, dedication, and commitment in all endeavors. Correspondent Rev. Fr. Dr. M. Maria William delivered the Presidential address.The inauguralsession ended with Vote of thanks by Mr. Shaik Sindha Arsaq M.A, another studentSecretary of XIBITA 8.0.

A Seminar on how to Excel in Research Activities

The seminar on how to Excel in Research Activities was organized by ACE for second and third year students of the Computer Science and Engineering department which took place on 12/10/2023. About 240 students participated and about 2 staffs were present. The seminar was conducted separately for both second year and third year students. The seminar covered various topics like Selection of Domain and topics, Objective of the project, Literature Review, Refined Objective and Hypothesis, Plagiarism and Modeling. It gave various ideas on writing research papers to the students.

Seminar on App Development cum Internship awareness

The Department of Artificial Intelligence and Data Science organized a seminar on Internship Awareness Program cum App Development on 06-11-2023. The Resource Person was Ms. Karthika M., HR Manager, Wenoxo, Nagercoil. 59 students attended the seminar. The resource person gave brief introduction regarding the Internship programs and the importance of doing internship in their company. She added the various stages in app development and the benefits of learning the app development course. The students were able to get their questions answered by the resource person and they were motivated to do internship during the end semester vacation.

Seminar on Evolution of Indian Missile technology

On 30.10.2023 at 11.30am in CAD laboratory our alumni Shambhu S. Krishna, project engineer, Brahmos aerospace Trivandrum delivered a seminar on the various missile technology available in India. His talk was based on history of the missiles in Indian context and also the placement opportunities in ISRO and other central government sectors.

Project Orientation

The Department of Artificial Intelligence and Data Science organized a Project Orientation programme on 30-10-2023. The Resource Person, Dr.R.Jemila Rose, HOD/AI&DS, SXCCE, explained various stages in project development and how to choose the domain of interest. The resource person added the benefits of publishing the research article and how to develop the research article from their final year projects. She explained how to present the work in efficient manner in conferences too. The students enjoyed the session and were able to get their questions answered by the resource person and they were motivated to do their projects in efficient way. 57 students benefitted by the programme.

Seminar on Powers and Functions of Indian Government

St. Xavier's Catholic College of Engineering (Autonomous) and constitution club organized a "Seminar on powers and functions of Indian Government conducted at the venue conference hall on 28/10/2023 at 10 AM. The seminar focused powers of our Indian government which could be effectively used in various fields. The dignitaries were, Dr. M. Babima, Assistant Professor/MBA the organiser of the event and the resources person Advocate Ms. T. Dhanuja, BA., LLB (Hons), Madras High court. The event was started with the prayer song sharply at 10 AM and continued with welcoming the Resource Person by Jenishiya. The resource Person was introduced by organizer Dr. M. Babima. The guest speaker, Adv. T. Dhanuja, sought to explain the students about the powers of Indian Government. The main core aim of the talk was about to make the students aware about the Legislations of the Indian Government. She also explained about the how the elections would take part in India. She also shared the information about the two houses of Indian Parliament which was Lok Sabha and Rajya Sabha. She also explained about how the judiciary activities takes place in parliament. She explained about the importance of two houses and the essentialness to choose right person for these Sabha. She stressed some of the basic ideas which should be known by the citizen of India. Nearly 61 students from both engineering and MBA were participated and utilised the section. A feedback session was conducted, where students S. A. Sahaya Rinosha, Jency Alexandria and a few more shared their thoughts on the seminar. The vote of thanks was proposed by Ms. Abarna. The seminar concluded at 11.00 AM.

Debate

28 Oct 2023 11:46:38
Saint Xavier's College Road
Chunkankadai Alur Tamil Nadu

Jyothis has organized a debate on the topic 'Impact of social media on youth – Pros and Cons'. It was to develop the event organizing ability of the students, their communication skills and to make them aware of the proper usage of the media. Mohamed Roshan of III ECE-B conducted the debate and 21 members participated. A team of 10 members led by Amina Beevi (III ECE-B) explained the pros and the team of 11 members led by Asmitha (II IT) explained the cons. The debate came to an end with the result that it is in the hands of the person to decide what to do and not to do with the media. The program came to an end at 12.30pm.

Seminar

Nagercoil, Tamil Nadu, India
St. Xavier's Catholic College of Engineering, 59WM+CC2, St Xavier's College Rd, Chunkankadai, Nagercoil, Alur, Tamil Nadu 629003, India
Lat 8.196078°
Long 77.383407°
28/10/23 10:09 AM GMT +05:30

The Radio Club organized a seminar on "Life Skills and Script Writing" on 28-10-2023 from 9.00 am to 12.15pm. The resource person of the day was Dr. R. Adlin Jeba, Assistant Professor, Department of Tamil, Nanjil Catholic College, Kazhiakkavizhai. The resource person trained the students for writing scripts in tamil. He explained the theme and story of various Tamil novels and books with examples. The students enjoyed the session and its very fruitful to them.

Quiz competition

Tamil Mantram has organized a quiz competition on 28/09/2023. The main objective of this programme is to get more ideas on Thirukural, Pazhamoli etc. The programme began at 9.15am with a prayer song. Around 65 students attended the preliminary round and 18 students were selected for the next round. The selected students were set into nine teams. Five rounds has been conducted for the final round and three teams were selected. The programme came to an end by 12 .30pm with a vote of thanks.

PATW Contest

PATW means Present Around the World competition was held in our college to select the winner and runner for next level.The next level of competition will be held between LN level.The students showcases their idea using their presentation skills, communication skills and also in which stream they are focusing on .Dr. Antony Forster Raj,A.P/Mech has acted as Judge for the competition.

Application of Heat transfer in Rocket systems

A seminar on Application of Heat transfer in Rocket systems' was held on 26.10.2023 for third and final year mechanical engineering students. Our Principal Dr. J. Maheshwaran express the welcome address and handover the memento to chief guest. Our Vice principal Dr. V. Christus Jeya Singh give the brief details about the seminar and Head of the Department Dr. G. Antony Miraculous introduce the chief guest. The resource person Dr. M. Xavier, Retired Deputy Directory of LPSC, ISRO, Trivandrum deliver the chief guest address. The faculty advisor of MEGX Dr. G. Shanthos Kumar expressed his formal vote of thanks. The main objective is to enrich knowledge on heat transfer applied in propulsion of rocket systems and motivate the students to various opportunities in space sectors.

Hands-on Session on ReactJS

A Hands-on Session on ReactJS was conducted on 26/10/2023 by Mr. Navanesh Kanth, ReactJS Developer & Team. In the forenoon session one of the resource persons give brief Introduction of ReactJS, its Features, Installation process, Pros and Cons of ReactJS, ReactJS JSX. ReactJS Components, ReacUS State, ReactJS Props, ReactJS Forms, ReactJS Events, ReactJS Animation and many more. The afternoon session the students worked on React Forms which is an integral part of web application. The resource people gave a thorough explanation of form formation and its significance. By designing their own application forms, the students had enjoyed the session and were able to get their questions answered by the trainers.

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. In order to improve the students critical and creative thinking skills, a session on the same topic was conducted for five days from 16/10/2023 to 20/10/2023. The session was handled by the eminent personalities, Dr. S.Lourdunathan, Associate Prof &Head, Department of Philosophy, Arulanandhar College, Madurai and Rev. Dr. Selvaraj, Director, Indian Social Institute, Bangalore. The session was interesting and it enables the students to enhance the problem solving skills which is required for an engineer. The resource persons 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. They 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 20th October. Dr. D. Judson, the coordinator of HSC Department proposed the vote of thanks.

Study Abroad Awareness Program

A "Study Abroad Awareness Program" was organized on 19/10/2023 by the ACS International Consultancy. The speakers addressed with knowledge of how to study in abroad, what are the facilities available, what scholarships are available and arrangement of visa for different countries. Students gathered information about studying in abroad with needed facilities. 14 students attended the programme.

Workshop

The English Club in association with ISTE has organized a Workshop on "Effective Communication Strategies" on 14th October at 9.30 am in the EEE Seminar Hall. The aim of the program is to make the students better in their communication skills. Mrs.K.S.Priya, AP/Dept of English, Amrita College of Engineering and Technology was the chief guest for the same. The
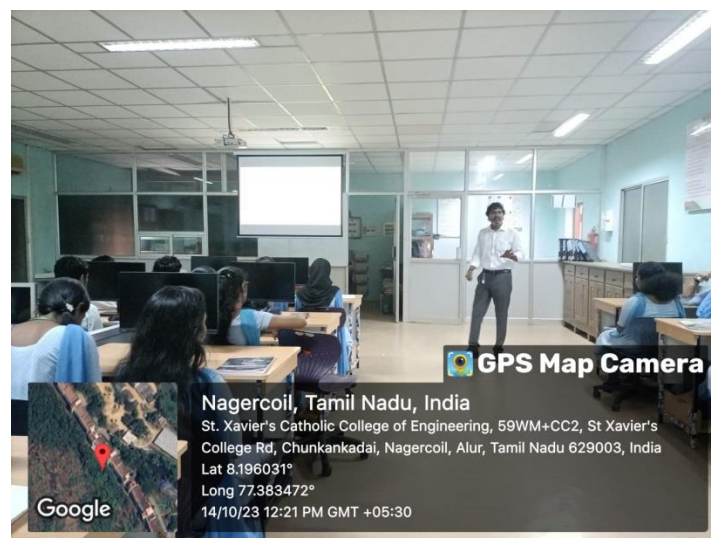
program started with the inauguration. The first session handled by the resource person was very effective and she explained various ways to improve communication skills. The session came to an end by 12.30 pm. In addition to the session a hands on training on "Web development using HTML and CSS" was conducted by A.Arockia Shalini , Member/ISTE in the embedded lab at 1pm. She explained the usage of HTML in a good way. After that a session on "How to give a good Presentation" was conducted by Reenu Susan Kurian and Nayana k Nair, Members/English Club at 2.45 pm. Students of English Club and ISTE got benefitted by these sessions.
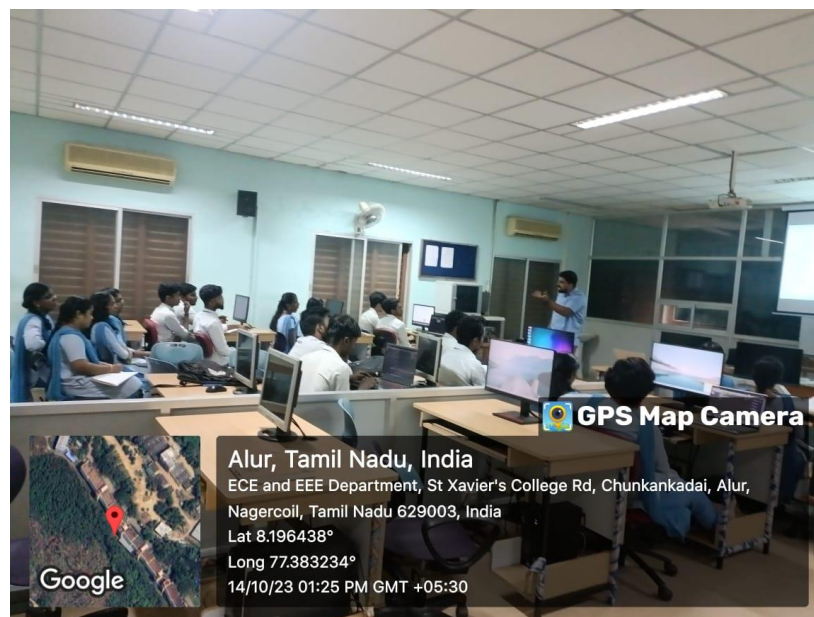
Idea Pitching Competition

An idea pitch competition on the topic of metaverse was conducted for the IEEE students on 14-10-2023. The Resource Person was Mr. Collins David C S, IEEE Photonics Society Chairman Five teams were formed and were asked to work collaboratively. This event gave great exposure to every member about the new technology domain, Metaverse. This event helps to share the ideas of every member and helps them to overcome their stage fear. 26 students participated in the competition.

Seminar

The Institution of Electronics and Telecommunication Engineers (IETE) in association with Robotics club and SKAIT IT Education hosted a seminar on "Road map for successful professionals and know your future technology". The seminar aimed to provide participants with foundational knowledge and practical insights in placements and profession and how to survive in a profession. The participants in the seminar are able to gain the idea to crack the interviews. The event was started by the welcome of Ms. Sreeja S (II ECE). The seminar focuses on organizations seeking to adopt innovative technologies, leading to the enhancement and transformation of their core operations and established workflows. On this journey, a technology roadmap serves as a strategic plan that outlines goals, milestones and resource requirements for the advancement and integration of a particular technology or a cluster of technologies. The primary aim of a technology roadmap is to provide a clear and actionable plan for technology development while harmonizing the organization's technological vision with its overarching business goals. A technology roadmap's strength lies in its ability to be a living, malleable document that evolves alongside the organization and the technological landscape. Embracing flexibility and adaptability ensures that the roadmap remains a strategic enabler, guiding the organization towards its objectives amidst a rapidly changing business environment. By fostering a culture of continuous learning, improvement and innovation, organizations can confidently navigate the future, harnessing the power of technology to achieve sustained growth and success. The event was concluded around 12.20pm with the vote of thanks of Ms. Amina Beevi.M (III ECE).

Hands on Training

The ACM-W organized a full-day hands-on training event focused on the theme "Campus to Corporate," with Mr. Giri Krishnan KS, Training Head at ExLife Solutions Pvt Ltd, Trivandrum, as the trainer. The training day commenced with Mr. Giri Krishnan providing a comprehensive introduction to Java programming. He covered fundamental concepts and ensured that all

participants had a clear understanding of the Java language. Following this, he delved into the practical aspects of code development in a corporate setting, sharing real-world examples and experiences. Mr. Giri Krishnan explained their importance and demonstrated their effective use in code development. The training session also addressed the software tools and version control systems commonly used in corporate environments for managing and storing code. Participants gained valuable insights into best practices for code collaboration and version control. At the end of the training, Mr. Giri Krishnan assigned a practical task to the participants: executing a Java program that took user input. In conclusion, the ACM-W's "Campus to Corporate" hands-on training, led by Mr. Giri Krishnan KS, was a resounding success. Participants acquired a strong foundation in Java programming, gained insights into corporate code development practices, and left with a better understanding of the tools and databases used in the industry. This training equipped the participants with valuable skills and knowledge to ease their transition from campus to the corporate world.

Seminar

On October 14, 2023, at 10:00 a.m., the FACEAT & P, Department of Civil Engineering, hosted a seminar on Construction Practices for the II, III & IV year students. Er.A.Bino Das, ME (structures), M.I.E., Builders, Engineers, & Contractor was the resource person. The speaker covered a variety of civil engineering construction techniques and procedures, emphasizing those used in the Kanayakumari district. The activity was highly educational and engaging, and the students learned about civil engineering construction techniques. Twelve faculty members and about 60 students took part in the seminar. By 1:30 in the afternoon, the program was over.

Hands-on training on Node js

On behalf of computer society of India, a Hands-on training was conducted on 14th October 2023 on the title NODE JS. The session starteded at 9:00 am and the resource person was Mr. Obsidian R.K, Junior software egineer, Rexknar creative. He trained the students on Node Js with Hands-on practice with the overall functionality of Node Js. He guided students on History of Node Js, How to use new JavaScript language features in Node.js with real-world examples, Creating template for organizing Node.js code in an application.

ISHARE QUIZ

The Indian Society For Heating Refrigerating Air Conditioning Engineers (ISHRAE) conducted a quiz for the members of ISHRAE club on 14/10/2023 at 11am to motivate the students for the
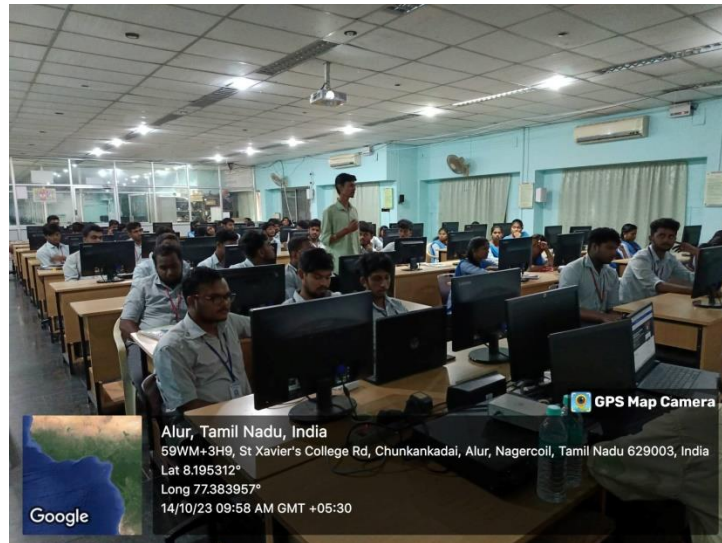
Aquest competition conducted by the ISHRAE chapter for placement in a reputed HVAC industry. 20 students attended the quiz.

National Level Symposium SDG 713 Fest

SXCCE G9 EnSAv Club conducted an AICTE - SPICES sponsored National Level Technical Symposium "SDG 713 Fest 2023" on 14th October 2023, in association with IET SXCCE On Campus, IEI SXCCE Student Chapter and FOSSEE Club. The objective of the symposium is to cultivate the innovative solution from the students towards SDG Goal 7 - Affordable and clean energy & SDG Goal 13 - Climate Action. Dr. L. Ramesh, Dean - Dr. MGR Educational and Research Institute, Chennai is the chief Guest for the event and Er. R. L. Geoffer Jaish, Siemens, YP Chairman - IET KKLN is the Special Guest for the event. About 210 students participated in the event, in which 40 students are from other institutions. Five events such as SDG Battle, SDG poster fest, SDG video fest, SDG debate, SDG Art Gaze were conducted for the students. Registration of the event started at 9.00 AM and the inauguration started at 9.30 AM with prayer song. The welcome address was given by the M. Abragam Siyon Sing, Faculty Advisor of EnSAv Club. The introduction to the symposium was given by Dr. M. Marsaline Beno, DeanResearch, SXCCE. The presidential address was given by Rev. Fr. Dr. M. Maria William, Correspondent, SXCCE. He addressed on the action to be taken by the students towards clean energy and climate change. The Chief Guest address was given by Dr. L. Ramesh, Dean - Dr. MGR Educational and Research Institute, Chennai. He appreciated the ensav club for the taken efforts towards achieving the goals and also insisted on the further actions to be taken by the club towards the sdg goals. The special guest address was given by Er.R.L Geoffer Jaish, Siemens, YP Chairman - IET KKLN. He motivated the students towards developing the energy efficient products that will make an impact. The vote of thanks was given by Ms. Bijosha, IGEN Volunteer of SXCCE. The inauguration ended with college anthem.

Hands-on session Red and Blue team operations

This hands-on session was organized by National Cyber Safety and Security Standards at Innovative Computing Lab on 14th, October, 2023, headed and organized by Dr. R. Barona and Dr. S. T. Sheriba, The session was handled by Mr. R. Ajay, MDR Threat Analyst, Sophos. The session has focused on the Red and Blue Team operations Initial Access to Ransomware Deployment. The session was started at 9am by a welcome address delivered by Mr. Lezhandh of III CSE B. Then the session was handed over to the chief guest. Initially, he shared his experience and achievements related to cyber security. Later, he started demonstrating the techniques involved in hacking, bug finding and fixing. At last, there was a doubt clearing session, students were clarified their doubts regarding to cyber security. Dr. R. Barona gave away the memento to the chief guest. The session extended till 4:15pm and concluded by vote of thanks delivered by Ms. J. A. Jositha.

Seminar on Archaelogy

The REACH Association along with Library & Tamil Mantram organized a two day Seminar cum field visit for the second year Civil Engineering students and the student members of Tamil Mantram on 04/10/2023 & 05/10/2023.The 'Seminar on Archaeology' was conducted on 04/05/2023 and a related field visit was arranged to Padmanabapuram Archaeological Museum & St. Thomas Chruch, St. Periyanayagi Chruch and Sivan Temple, Thiruvithamcode on 05/10/2023. The resource persons were Mr. Chenthee Natarajan Mg. Director, S. Anand Subramoniam & Mr. N. Nagarajan, Chembavalam Research Base, Nagercoil. The inauguration Ceremony started at 9:30 a.m. at EEE Seminar hall. The welcome address was delivered by Ms. C. Anto Nishma, III CSE. Then the Chief Guest introduction was given D. I. Jessy Mol, HOD/Civil. Dr. J. Maheswaran, Principal and Dr. V. Christus Jeya Singh, Vice Principal, felicitate the gathering. The Presidential Address was given by Rev, Fr, Dr. M. Maria William, Correspondent. The Key note address was given by Mr. Chenthee Natarajan Mg. Director, Chembavalam Research Base, Nagercoil. The Vote of thanks was delivered by Ms. Gelrin Shalima, II CE. The inauguration ceremony ended at around 10:30 a.m. by singing College Anthem. The Technical Session Started at 11:00 a.m. The resource persons explained the Tamil Brahmi scripts, Vattelithu Scripts and Grandha Scripts. The session was very interactive and the students gained knowledge on the ancient scripts used in our Tamil Culture. Mr. Chenthee Natarajan Mg. Director, Chembavalam Research Base, Nagercoil, explained the temple architecture and the ancient time measurements being used till today. The session ended by National Anthem at 4:15 p.m. On 05/10/2023, a field visit was arranged by the resource persons to Padmanabapuram Archaeological Museum & St. Thomas Chruch, St. Periyanayagi Chruch and Sivan Temple, Thiruvithamcode to study the ancient architecture being used in those structures. Around 55 students participated in the visit. This seminar cum field visit enables the students to gain knowledge on the Inscriptions and Iconography being used in the ancient times.

Seminar

Xavier's Management Association organized a one day Seminar. On "Virtual Business Management for Budding Managers" on October 6, 2023 for Department of Management studies in EEE seminar hall. The seminar focused on the basics of networking which can be used in e-business and e-commerce. The seminar was started with a welcome address by I MBA student Maria Christy Helen. II MBA student Ajisheya introduced the guest speaker. Mr. Allwyn Henry commenced the seminar with his talk about the basic terms of networking like the intranet, internet, extranet. Then he went on to explain about the OSI model. He elaborated on the various layers of the model and classified the various types of servers.

Youth Talk-2023

ICT Academy is conducting the Youth Talk, a speech contest for the college students to express their ideas through inspiring and powerful speeches every year. This year Youth Talk-2023, season -8 was conducted in our college. The Regional Pre – Final of this season was conducted on 4th October in the Seminar hall. Around 135 students got selected for the pre finals. The event started with the inauguration. 13 Jury members from various institutions and from SXCCE were presented there for judging and to select the top 12. The contest was held in four venues. From the four venues the best 3 students has been selected for the next round. Participatory certificates were given to all the contestants. Finally, the top 12 students were announced and appreciations were given to all the contestants. The finalists are asked to be present on 6th October for the finals. The pre final came to an end by 1pm. The Regional Final of Youth Talk-2023 was conducted on 6th October in the Conference hall. 9 students from other colleges and 3 students from our college were selected for the finals. The event started with a small introduction. Dr.R.P.Anto Kumar, Dean/Academics introduced the Jury members from various corporates. Each contestants were asked to take 10 minutes for their presentation. The contest came to an end by 12.15pm. The Valedictory ceremony was conducted in the afternoon. All the HRs shared their views and thoughts to the students. It was indeed an interactive session. The Correspondent , Rev.Fr.M.Maria William presided over the function. Participatory certificates were given to all the contestants. and finally the results were declared by Mr.Saravanan, Vice

President of ICT Academy, TN. First and Third prizes were bagged up by PonJesly College of Engineering and the Second prize bagged up by Reenu Susan Kurian of Final CSE of SXCCE. The Program came to an end by 4pm with the National anthem.

Industrial Visit

MBA had organized an Industrial Visit on 05th October,, 2023 to Travancore Titanium Products Limited (TTPL), Travancore. The visit was organized by HOD of Management Studies, Assistant Prof. Ms. Jasmine Suguna, Mr. G. Jenit Hanson and Dr. M. Babima, Assistant Professors of Management Studies were the Co-ordinators Faculty for the Industrial Visit. We started travelling from the college campus at 08:00 am through an arranged tourist bus named Joha. Totally 56 students along with 2 coordinators faculty were there in the journey. We had reached the industry around 10:00 am. We were divided into 2 groups with our faculty. An overview was given by Mr. Sajeev, Training Department and Mr T Beena HR Manager of TTPL and then we visited the industry. Travancore Titanium Products Limited (TTPL) is a Public Sector Unit owned by the State Government of Kerala. TTPL is the pioneering enterprise in India for producing the pigment grade Titanium Dioxide. This product is produced from the minerals like Ilmienite, Rutile etc. occurring in the beach sands of Chavara in Kollam district, KeralaManavalakurichi of Kanyakumari district, Tamil Nadu and Chatrapur in Orissa. TheTravancore Titanium Products Limited was incorporated on the 18th December 1946. It is located at Kochuveli about 10 km to the North West of Thiruvananthapuram City. The main product of Travancore Titanium Products Limited is Titanium Dioxide.

Interaction Session

An Interaction Session on AR/VR Technology was conducted on 4/10/2023 by the Department of AI&DS. 48 students attended the session. The resource person was Mr. S. Sundara Raman, National Head, SCOPIK Edu. Tech., Chennai. Students were given awareness regarding AR/VR technology. The resource person inspired the students to take an interest in the material and use it to address the real world problems.

Operating procedures of Inverters

The Society of Electrical Engineers conducted an Orientation Programme on Operating procedures of Inverters on 3rd November 2023 to motivate the students for future high-technology inverter applications and for relevant improvements in codes and standards. The Resource Person was G.T. Vignesh, Testing Engineer, Snider Electricals PVT LTD. 72 students

attended the programme. The participants developed priorities and recommendations for technology development and for addressing relevant codes and standards issues in inverters. These priorities gave rise in creating a "High-tech Inverter and Balance-of-systems R&D Strategies" document and ultimately a R&D program. The outcome will help industry itself set priorities for future action as well. In short the outcomes and recommendations are split into three inverter and system technology topics. The inverter and systems technology topic was divided into three focused categories. They were Capacitors and Components, secondly Surge Protection, Thermal Management and Packaging and at last Power Electronics, Communications and Controls. The magnetic cores and devices, dc bus hardware and interconnects with "Improved capacitors" stands out as the highest priority recommendation. The improvements addressed advancements in electrolytic, film and ceramic capacitors with calls for twice the lifetime at one-half the costs. Another very important aspect of the capacitor prioritizations included investigations of new inverter designs and topologies that use feed-forward controls to reduce the values and numbers of capacitors needed.

Seminar

St. Xavier's Catholic College of Engineering (Autonomous) and St. Xavier's Management Student Association, organized a 1.30 hour seminar on "Work Life of HR & their Contributions". The venue of the seminar is Conference Hall. On 27/09/2023, the seminar commenced at 2.15 PM and ended at 3.45 PM. The chief guest of the seminar is Ms. Karthika Murugeswaran, HR Manager, Wenoxo Technologies. This seminar mainly focused on the various job roles in Human Resource. The session was started by Ms. Jaslin, Business Development Executive, Wenoxo Technologies. She spoke about the history of their company, their vision, mission and services offered by them. She shared their projects highlights and the products under research & development. She further shared about the achievements of their company, various departments in their company and the employee benefits provided by them. Then, the guest speaker took over the session. The guest speaker Ms. Karthika Murugeswaran,
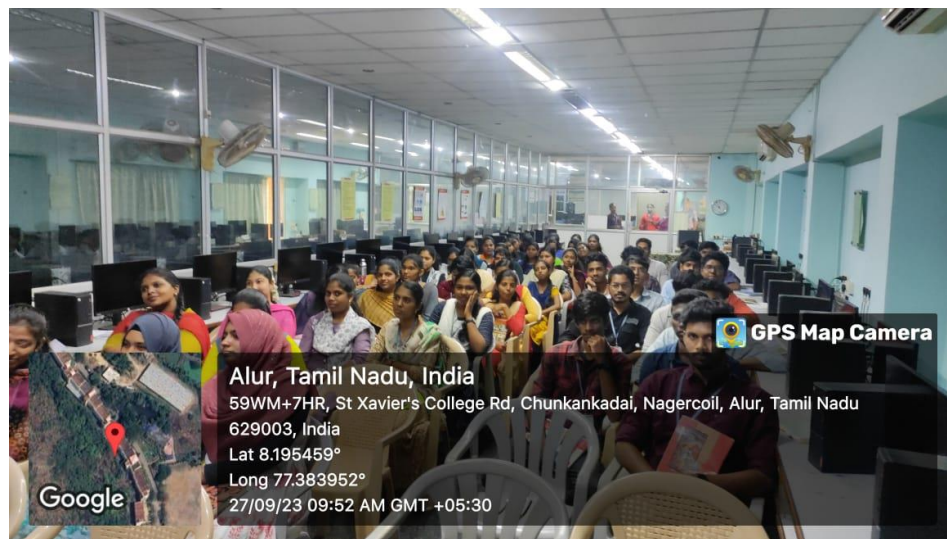
HR Manager, Wenoxo Technologies encouraged the students to be interactive. She shared her favorite quote, "The only source of knowledge is experience" with the students. The guest speaker spoke about the meaning of HRM and its purpose. Then the guest speaker spoke about the various job roles and job opportunities in the HR field. Further she also informed the internship and additional course facilities in their company. Lastly, the students were asked to give their feedback.

Local Visit to Pechiparai and Mathur

A local visit has been arranged from REACH Association, Department of Civil Engineering on 27-09-2023 to Pechiparai dam and Mathur aqueduct. From the department, 85 students and 7 staffs went for the local visit. Two college buses were arranged. The visit started at 09:30 am from the college campus. Around 11:00 am the Pechiparai dam was reached. The various components of dam like spillway, sluice tank, check dam, its capacity, catchment area were briefly explained. Students were taken to the tunnel in Pechiparai dam. Then the students arrived to Mathur aqueduct at 1:00 pm. The trough structure is covered with concrete slab allowing people to walk on the bridge and it also carries a water-course. The structural components such as piers and abutments were explained. From the visit, it was observed that no periodic maintenance was done recently. Also the students learnt about the various components of the irrigation structures, different construction materials and practices being adopted in olden days. They returned to college around 3:30 p.m.

Workshop on Hardware and Networking

On September 27, 2023, the Department of Computer Applications hosted a workshop titled "Hardware and Networking" in the CSE Lab by the Software Cell. The main objective is to give the students practical knowledge about hardware and networking. The session starts at 9:00 a.m. The resource person starts the morning session with basic hardware and networking concepts, and in the afternoon session, students are divided into groups, and each group assembles the system and network routing.

Electrical engineering in shipping

A seminar on Electrical engineering in shipping was organized on 26/09/2023 for the EEE students. The resource person was Mr. PS. Sishmin, ETO, Executive Shipping Company, Singapore. The main objective of the seminar is to know the importance of Electrical Engineering in Shipping. The resource person explained about the role of Electrical Engineers in automating machines, onship and offship industries. 86 students attended the seminar.

How to excel in research

The Society of Electrical Engineers conducted an Orientation Programme on How to excel in research. The Resource Persons were Dr. M. Marsaline Beno, Dr. Nisha Prince and Dr. M. John Bosco. 92 students attended the programme. The aim is to motivate the students in research and to join in the research groups related to them. Research engineers are responsible for developing new products, processes, or technology for their employers. It can be done by collecting relevant intomation and data. analyzing it, performing tests, and creating optimal solutions that meet the needs of their employer. Research engineers are needed in various industries, including aerospace and detense, communications and electronics, energy, manufacturing, transportation, and utilities.

Seminar

St. Xavier's Management Student Association organized a 1.30 hour seminar on "Financial Careers Unleashed – From Aspiration to Achievement". The venue of the seminar is Conference Hall. On 26/09/2023, the seminar commenced at 10.45 AM and ended at 12.15 PM. The chief guest of the seminar is Mr. Suresh Natarajan, Managing Partner- Diksha Academy, Banker,

BFSI Trainer, Career Consultant, Author. This seminar mainly focused on the various job opportunities in the BFSI. The welcome address was given by A. Jency Alexandria of II MBA (A) and the guest speaker took over the session. He spoked about Peter F Drucker's 7 Principles and its use in the life of managers. The guest speaker informed the various career opportunities for MBA aspirants in the BFSI irrespective of the elective chosen by them. He also recommended the book written by him "The Interview Hacker", which consists of 750 interview questions and with their answers which will be useful to crack interview in the finance field. He also spoke about the various myths and facts in the banking industry. The guest speaker told the 5 steps needed for a BFSI job. He told the students to focus on concepts, products and the process of banking industry. He also recommended online learning course "DEEP BFSI", which will boost up the resume of the students. Lastly, the chief guest collected feedback from the students and the session came to an end.

Orientation Programme

St. Xavier's catholic college of Engineering (Autonomous) and the workshop organized a 6-hour seminar on "Powering of mind". The venue of the workshop is in MBA (B). On 25/09/2023, the workshop commenced at 10 AM and ended at 4.00 PM. The chief guest of the Workshop is Mr. M R Cyril Xavier, Former assistant general manager BSNL, Nagercoil. This workshop mainly focused on improving the managerial skills and some of the analytical skills. At first welcome address was given by Ms C Sherina Joe and next Ms Maxwel Rishobi introduce the chief guest after the introduction. The chief guest conducted various interactive activities that influenced and encouraged the students to actively participate in each one of them and give some chocolates. He explained about the professional qualities to be held by an individual and how to utilize them at the time of need. He mentored the students on how to set goals, personal mission and vision. The guest speaker also gave a motivational talk and shared his personal story of success, experience and the difficulties he faced as well as how he overcame them. After then he give some think about listening and analysing and he tells the value of listening in interview at last the chief guest share the his life journey it was to inspired to finish the workshop and Ms Renisha R, Mr Jerry and Ms Maxwel Rishobi gives the feedback about the program she say this workshop we could

realize that, not only setting a vision but the mission to achieve the vision plays a major role. And the way you taught us was so enthusiastic and very useful. We playfully learned and got the point of gaining skills. Also all the skills essential for a successful manager was taught in a very well manner. At last we thank our HOD madam for conduct this workshop.

Suicide prevention Awareness Programme

World suicide prevention day was observed every year on 10th September. Suicide prevention awareness programme was organized in our college by YRC, Counseling cell &Anti–ragging cell in association with Peace Trust Kanyakumari Psychology department staff and Manonmaniam Sundaranar University students on 25-09-2023. About 147 students participated in this program. The M.S university students performed a skit and gave an awareness talk about suicide prevention.

Seminar

Women's Cell in association with Health Care cell organized A Seminar on Cervical Cancer and Breast Cancer awareness on 23rd September 2023. Mrs.Amalit Vimala, OBG Dept., SXCCN was the resource person. The seminar began with the introduction of the office bearers to the cell members. Women's Cell president Ms. Steny Joy S IIIrd IT welcomed the gathering. This session was planned to create awareness among women students and staff about Cancer, its signs, symptoms and early detection. The resource person explained in detail about the signs, symptoms and how to identify the disease in the early stage. Models were also exhibited to students to identify different stages of breast cancer. Abisha B, women's cell Treasurer from Final ECE (A) thanked the gathering and the session came to an end.

Special talk – Women's Reservation Bill

The constitution club of St. Xavier's Catholic College of Engineering organised a "special talk on the historical amendment in constitution at women's reservation bill" conducted at the venue MBA Lab on 23/09/2023 at 10 AM. The seminar focused on new bill passed by the parliament for women reservation in assembly. Organised by the organiser Dr.M.Babima, Assistant Professor/MBA. The dignitaries were Mr.Jenit Hanson, Assistant Professor/MBA, Dr.M.Babima, the organiser of the event and the resources person D.P.Ajiesya from II year/MBA. The guest speaker, Ms. D.P.Ajiesya, sought to advise the students about the historical amendment in women reservation bill. The main core of the talk was about to make the students aware about the bill. She also explained about the milestone which the bill actually gone through throughout the decades. She also shared the information about the bill which was actually decided to be passed in the year 1989. The whole path of the bill was covered in her speech. Presentation about Women's Reservation Bill She also explained about how the bills were passed in parliament and how it came to an act and how it was beneficiary to women. The bill provides the rights for women in all sector to compete in the election. It gives 33% of reservation to women in parliament election and eventually it was come to an existence in our new parliament building. She also said that this bill was frozen till 2026 and it would be followed for next 15 years. Nearly 36 students from both engineering and MBA were participated and utilised the section. A feedback session was conducted, where students Helen Nayaki, Jency

Alexandria and a few more shared their thoughts on the seminar. The vote of thanks was proposed by Flincy. The seminar concluded at 11.00 AM.

Seminar on Application of Graph theory

Math Club Seminar on Applications of Graph Theory in Engineering Date: 23/09/2023 Time: 9.00am-11am Duration: 2 hours Venue: Rock Auditorium Mode: Offline Level: College Resource Person: Dr.S.Arumugam, Adjunct Professor, Department of Computer Science and Engineering, Ramco Institute of Technology, Rajapalayam Number of participants: 192 Description about the Seminar: The main objective of this seminar was to know an idea about Graph theory and its applications. The programme began at 9am with a prayer song. Ms.K.A.Bibinshya, the executive member of Math club warmly welcomed the gathering. The student secretary Ms.M.K.Aadharsha presented the annual report of Math club. Dr.J.Maheswaran, the Principal encouraged the students to study Mathematics in an understanding way. Dr.V.Christus Jeya Singh, Vice Principal, Dean-Student Affairs motivated the students with his experience. The Faculty Advisor, Dr.M.Felix Nes Mabel introduced the chief guest. Dr.S.Arumugam, Adjunct Professor, Department of Computer Science and Engineering, Ramco Institute of Technology, Rajapalayam was the Chief Guest of the auspicious day. He explained the types of networks with real examples and connected the network in Graph theory in a simple manner. Students easily understood the concept and they gained knowledge about its applications. 182 students and 10 faculty members attended the programme. Mr.S.R.Mohamed Ifthikar, Executive Member of Math Club gave the vote of thanks. The seminar came to an end with the college anthem.

Employability Skills

A training on Employability Skills was conducted by the Placement Cell on 23/09/2023. Around 146 students attended the training. Mr. Naga Haridas, Global Leader, ERNST&YOUNG, Trivandrum was the resource person. The trainer gave an introduction about his company and explained the steps to face an Interview by overcoming Stage Fear, Conducted Model Interview session among students and suggested various Soft Skills with real time examples. Also he explained about Innovation, Entrepreneurship and Employability. The session was very good and the students were much interested in attending such type of training. The session was interactive so that students participated with more interest.

Tree plantation

The SXCCE Eco club in association with Non Governmental Organization of VALAR foundation has conducted a tree plantation program near the surrounding of Kaniyakulam Panchayat office on 23.09.2023. ECO club members of St. Xavier's Catholic College of Engineering planted 30 saplings near the roadside area. At the end of the event, the importance of planting more trees to avoid global warming and maintaining good climatic condition was given to the members of Eco Club.
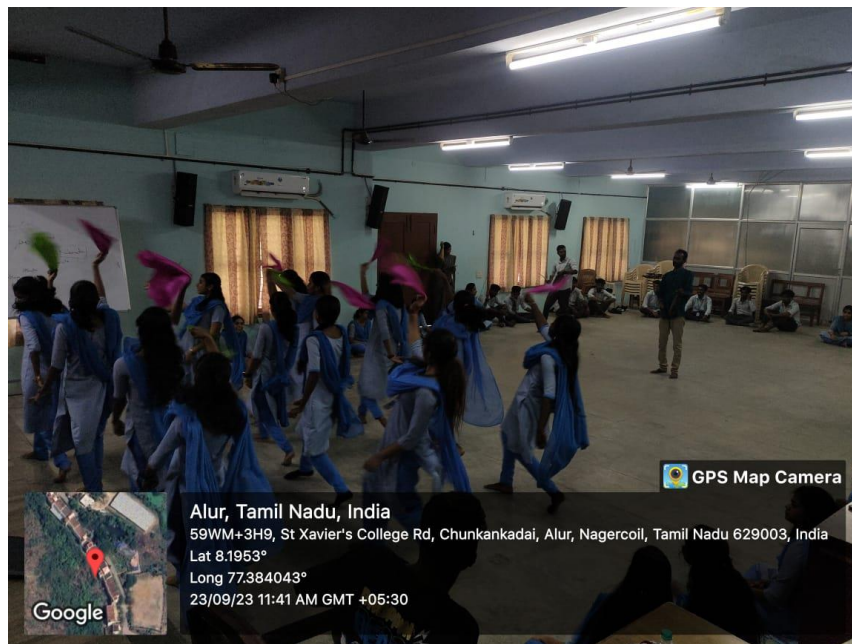
Mega Tree Plantation Drive

The NSS wing organized a remarkable Mega Tree Plantation Drive on 23rd Sep 2023 at St. Xavier's Catholic College of Engineering. The event aimed to promote environmental conservation and create awareness about the significance of planting trees. On the mega tree plantation program, all our dedicated volunteers promptly convened at the reception area at 9:00 am. Following a comprehensive briefing session, our enthusiastic volunteers made their way to the designated tree plantation site. The inauguration of this monumental event was graced by the presence of our esteemed principal, Dr. J. Maheshwaran, and our esteemed Vice Principal, Dr. V. Christus Jayasingh. Our program officers, Prof. L. G. X. Agnel Livingston (AP/CSE) and Prof. F. John Paul (AP/CE), were also instrumental in steering the initiative. Respected Principal, Dr. J. Maheshwaran, beloved Vice Principal, Dr. V. Christus Jayasingh and the Programme Officer Prof. L. G. X. Agnel Livingston (AP/CSE) inaugurated the event and started the event by planting the first sapling.
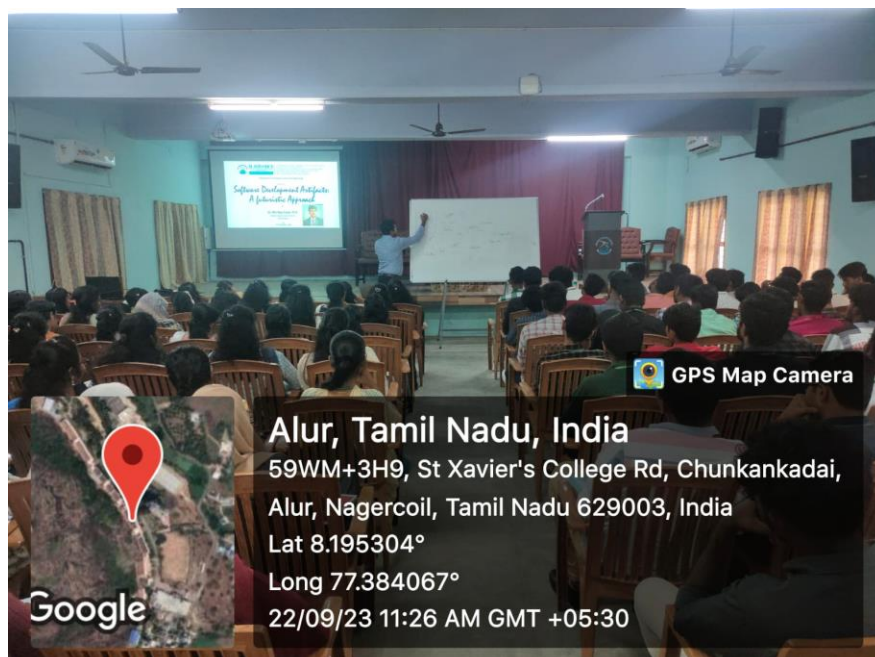
Workshop

The Institution of Electronics and Telecommunication Engineers (IETE) celebrated Engineers' Day on September 16, 2023, with great enthusiasm and pride at the Department of Electronics and Communication. Engineers' Day is a significant event celebrated in India to commemorate the birthday of Sir Moksha Gundam Visvesvaraya, a renowned engineer and statesman. The day is dedicated to honoring the contributions of engineers to society and promoting the engineering profession. Around 50 IETE members had attended the event and various sessions were conducted the members. Pantech E Learning hosted a one-day workshop on Artificial Intelligence (AI) and Machine Learning (ML) delivered through the YouTube Live platform. Er. Philip Bedit was handled the session. This workshop aimed to provide participants with foundational knowledge and practical insights into AI and ML, catering to individuals interested in exploring these cutting-edge technologies. A hands-on ML workshop allowed attendees to apply the knowledge gained during the workshop. The online format via YouTube Live ensured accessibility to a global audience, resulting in a diverse group of participants. Certificates of participation were awarded to attendees who completed the workshop. The hands-on ML workshop was particularly well-received, offering practical experience in implementing ML algorithms. Pantech e Learning's one-day workshop on AI and Machine Learning conducted through YouTube Live was a success, offering a solid introduction to these burgeoning technologies. With expert speakers, practical demonstrations, and interactive sessions, the workshop provided valuable insights to participants of varying backgrounds. The positive feedback suggests that Pantech eLearning could further expand its educational offerings in AI and ML to cater to advanced learners and enthusiasts.

NATIONAL DANCE DAY CELEBRATION BY DANCE CLUB

A Special Dance Training program,on behalf of National Dance day was conducted on 23/09/23 in the Eienstien Seminar Hall and Mr.Jack,Western dance master,Top Troop Dance Class and Kalaivalarmani Mr.S.Muthu Krishnan ,Folk Master took class for the students to make students to get a clear idea about western and folk dance.It was fully a training session from morning to afternoon and students benefitted a lot from them. At the end of the session, staff coordinator presented both masters with memento as a token of appreciation.

Seminar on software development Artifacts

Association of Computer Engineers (ACE) Seminar on Software Development Artifacts-A Futuristic Approach Date: 22.09.2023 Time:10:30 am Duration:1hour 15 minutes Venue: Einstein Seminar hall Mode: Offline Level: College Resource Person: Dr. Altis Raja Kumar., Ph.D, Software Engineer & Researcher, United Kingdom Number of participants:120 Description about the Seminar: The seminar on "Software Development Artifacts: A Futuristic Approach" was conducted exclusively for second-year students within the Computer Science & Engineering department. One notable highlight of the seminar was the intriguing comparison drawn between the working atmosphere in the United Kingdom (UK) and India. This event provided a valuable opportunity for these budding engineers to delve into the intricate world of software development artifacts.

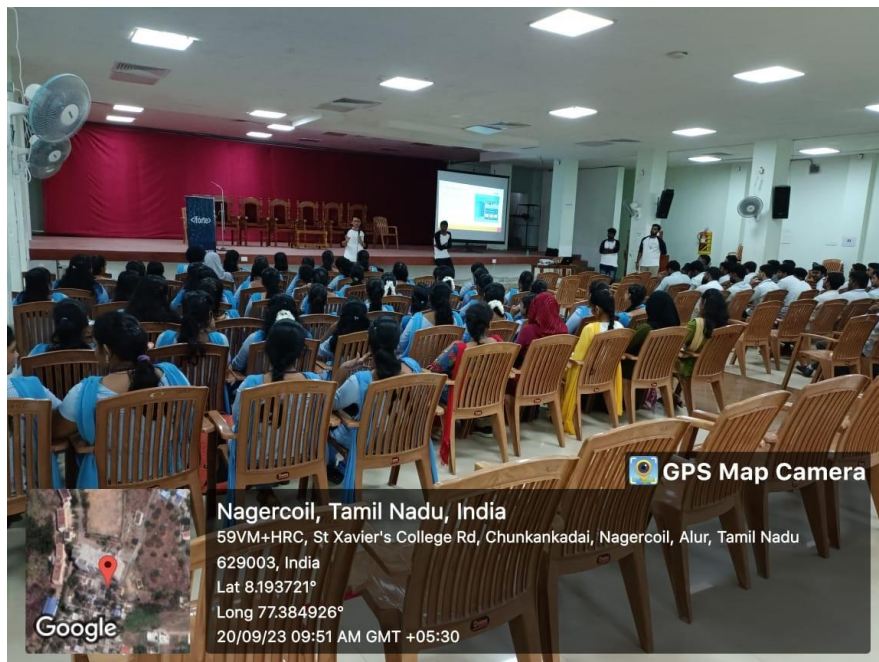**Engineer's Day Competition**

An Engineer's Day Competition was held for 3rd year Mechanical Engineering students by Mr. C. Jebastalin and Team, CAD DESK, Nagercoil. on 21/09/2023 in the venue of III-year class room. out 96 students have participated in it. This was held to make students know their own technical knowledge and to awoke the inner spirit of each and every one to faster solving. It was also conducted to find the best students of our department and to make them help other students. Several complex structures were given to make their design and finally the winners were selected by checking the accuracy and the time of completion. This motivated the students to develop their designing skills. This also created interest for students in designing field. Finally, the winners were selected for the design team of CAD DESK, Nagercoil.

Internal Hackathon

St. Xavier's Catholic College of Engineering organized internal hackathon on 21.09.2023. Students from various departments participated in the event and presented their innovative ideas based on the Smart India Hackathon problem statements. As per the evaluation by the expert teams, 15 teams (10 shortlisted + 5 waitlisted) teams are selected for Smart India Hackathon 2023.

SALES FORCE BOOTCAMP TRAINING 3 Days

The Sales Force Bootcamp Training for 3 Days was conducted for IV Year-CSE, IT, ECE, EEE, Mech, Civil students from 20th to 22 September 2023. The Resource Persons were Mr. Abdul Halia, Mr. Mahi, Mr. Shanjai, Mr. Madhavan, Mr. Vignesh and Mr. Pon Kumar, Forte Consultancy, Chennai. The trainers are skilled in delivering training programs that drive productivity and performance improvements. On Day 1, Trainers handled session based on Forte consulting, about salesforce, Guidelines to Sales force admin, Theoretical concepts about how to setup object manager, Steps to work on Lightning app builder, Sales, Services, Support, Marketing, Productivity and Collaboration, About Data Analytics management and Workflow or process Automation. On Day 2, Trainers handled practical session on, Steup and Configuration, Object Manager and lighting app busider, Sales and Marketing, Productivity and Collaboration. On Day 3, Trainers handled practical session on Services and Support, Data Analytics management, workflow or process Automation. The session was very good and the students were much interested in attending such type of training The students gained more knowledge about app creation and development. Practical sessions helped them to realize how to develop an application. The students got an idea and confidence about app development. The session was interactive and practical so that students participated with

Expert Talk

Seminar on Applications of AI is organized by the ADAX association on 16-09-2023. The Resource Person was Mr. M. John Roobert. 39 students attended the seminar. The resource person explained the important applications of AI. He started the session by explaining the hardware information like checking RAM configurations and other laptop features. He added the details regarding the graphics card and its features which are helpful in making videos and animations. The resource person clearly outlined the usage of various AI tools for the student community. The students enjoyed the session well and gained basic knowledge in hardware, Generative AI- Chat GPT and 11 labs.

Seminar

A Seminar on Artificial Intelligence was organized by the ADAX association on 16-09-2023. The resource person was Mr. S.N. Sujith, AI Specialist, Networkz Systems. About 39 students attended the seminar. The resource person explained the important applications of AI. He started the session by defining AI and mentioning the difference between machine and device. He discussed about various technological divisions in AI and also, makes a note on salary details of AI jobs and its requirements. The resource person clearly outlined the software and hardware used in this technology like supervised learning, unsupervised learning, reinforcement learning etc. The students gained basic knowledge in Machine learning concepts.

A hands-on training on "Hardware and Networking"

A hands-on training on "Hardware and Networking" was organized by Brigitz for the II year IT students on 16th of Sep 2023 from 9.00 a.m. to 4.15 p.m. Dr. Antony Joan Kumar, Mr. Rubert, Mr. R Baiju. Mr. M John Paul of St, Xavier's Catholic College of Engineering acted as the resource person. They explained the hardware components of the Computer Architecture and their interconnections. Students also learned about the hardware assembling procedure and how to interconnect them to build a LAN connection. About 57 students were benefited by participating in the event.

A hands-on workshop on "Microsoft Azure"

A hands-on training on "Microsoft Azure" was organized by Brigitz for the III and IV year IT students on 16th of Sep 2023 from 1.00 p.m. to 4.15 p.m. with Dr. A J Deepa, Specialist Learning, Infosys as the resource person. She explained the basic cloud computing operations and how the Microsoft Azure cloud computing services can be used for computing. About 53 students were benefited by participating in the event.
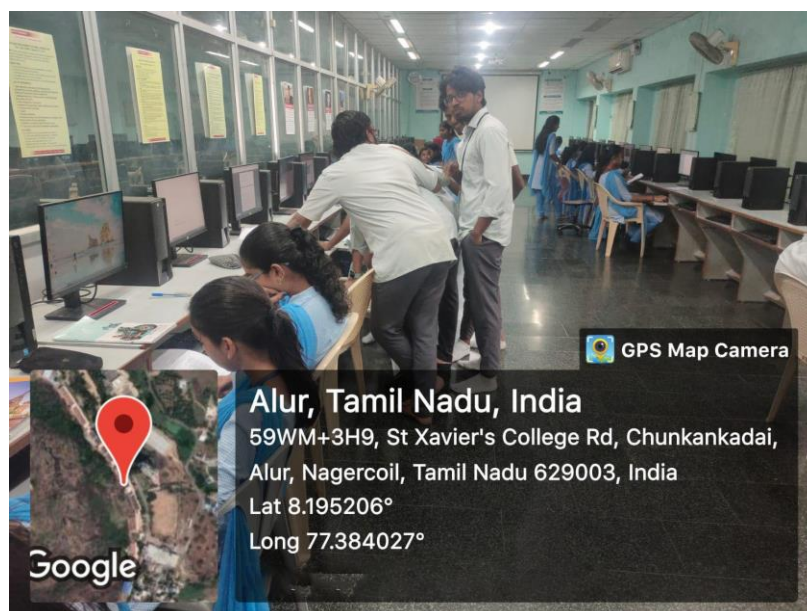
A seminar on "What's next? (AR & VR)"

A seminar on "What's Next? (AR & VR)" was organized by Brigitz for the III and IV year IT students on 16th of Sep 2023 from 11.00 a.m. to 12.30 p.m. Er. B Pradeep Sathya, Regional Head, Scopik Edutech acted as the resource person. He explained the various carrier options in Augmented Reality and Virtual Reality and the future scope of the same. About 38 students were benefited by participating in the event.

Seminar on app development

The Android Mobile App Development Seminar was conducted for the second, third, and final-year students in the Computer Science and Engineering (CSE) department. This program provided an interactive and comprehensive introduction to the basics of Android Mobile app development. The workshop aimed to equip participants with fundamental skills and knowledge necessary to create their own Android applications.

TEKYON23-competition

The TEKYON'23 was conducted for 2nd year, 3rd year and final year students of Computer Science & Engineering Department .The competition had 5 levels which comprised of debugging, poster making through canvas, coding etc. Each level took about 15 minutes. This was very useful for developing our problem solving skills through effective management of time.
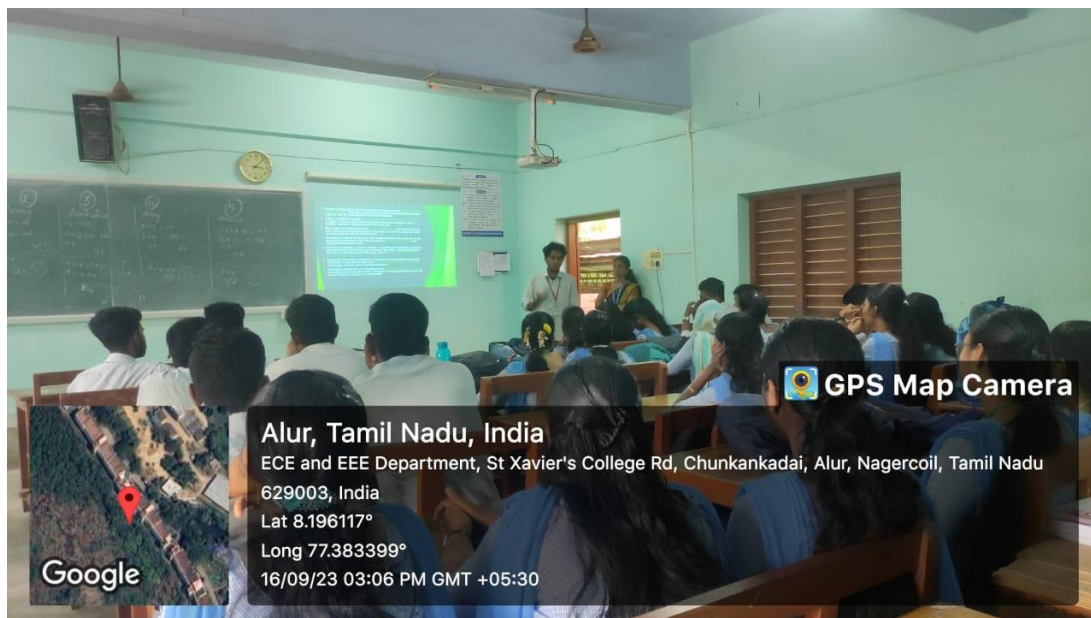
Workshop on AR & VR

A workshop on AR and VR was conducted for the 2nd, 3rd, final year students of CSE department fostering a deeper understanding of these emerging technologies like Augmented reality and Virtual reality. Interactive session, resource materials, and collaborative discussions enriched the workshop, empowering students with the knowledge and skills to explore the limitless possibilities of AR and VR development.

Seminar on Career Opportunities in Civil Engineering

A seminar on Career Opportunities in Civil Engineering Architecture and Interior Design and Valuation was organized by REACH and FACEAT & P, Department of Civil Engineering on 16/09/2023 at 1:30 p.m in Rock Auditorium. The resource person was Er. A. Surendra Venkatramanan, Proprietor, Plytree interiors and Planners. The speaker informed about the various jobs available in the government and private sectors for the Civil Engineers and the exams related to those positions. He gave a detailed information regarding how to build our career in Civil Engineering. The session was very informative and interesting and the students gained knowledge in Career build up and the opportunities in Civil Engineering. Around 104 students participated in the seminar. The Program ended by around 3:30 p.m.

Seminar on bread board connection

The ROBOTICS CLUB organized a Seminar on Bread Board Connection on 16.09.2023. The resource person was Jerwin .N.H/ Secretary, Robotics Cell. Around 50 students attended the programme. A seminar was about the bread board connection and PCB design in electronic circuits is arranged for the second year students by our robotics club secretary and volunteers. They have clearly explained the purpose, layout, power rails, prototyping, limitation and compatibility of bread board connection to the students. Finally the session is ended with the vote of thanks.
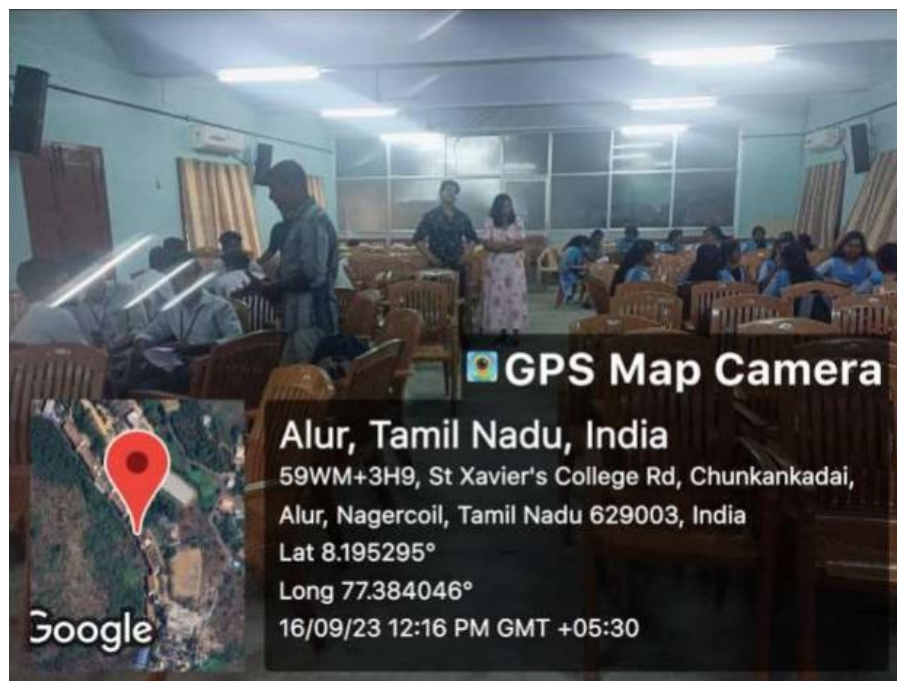
Engineer's Day 2023

SXCCE G9 EnSAv Club, IET SXCCE On Campus, IEI SXCCE Student Chapter and FOSSEE Club jointly celebrated Engineer's Day 2023 on 16th September 2023 under the theme "Recent trends in Engineering Innovation". Several events such as poster presentation, video presentation, Idea Presentation, technical quiz and adzap were conducted for the students. Around 130 students have participated in the event. The event was started with prayer song. The welcome address was given by IET student chairman. It was inaugurated by Dr. M. Marsaline Beno, Dean-Research, SXCCE, the president of the event. He addressed on the importance of celebrating Engineers day. The vote of thanks was given by EnSAv Club chairman. After the tea break, there was a technical session by Dr. Jain B. Marshel followed by Idea presentation and Poster presentation. The program ended with a college anthem.

Orphanage Visit

To provide companionship, to promote inclusion and support for individuals with mental challenges and to engage them in activities where they can find joy, the IEEE STUDENT BRANCH-62851 visited the St. Francis Mercy home, Anjugramam on 16.09.2023. 28 students participated in the visit. The event was successfully organized by Ms. K Ashlin Stephy, Chairperson of IEEE WIE SBAG and Ms. Collins Vinisha A, Secretary of IEEE WIE SBAG under the guidance of IEEE WIE faculty advisor Dr. M. Germin Nisha. The event started by a warm welcome by our IEEE coordinator Dr. A. Darwin Jose Raju, he gave a short introduction about the purpose of the visit and about Rev. Fr. Bose who is taking care of the orphanage. Then the father invited everyone for the Church Mass and then celebrated a birthday of a child. we organised a refreshment musical chair session for the residents, they played with all their focus and they also had the spirit to encourage others. They had the sense of giving opportunity to other residents even if they fail. The men were fearlessly dancing and singing and were very happy, that made us intensely happy. After having food along with the residents, we gave our token of appreciation and some gifts to the residents. A review meeting about the event was conducted and every IEEE volunteers shared their wonderful experience and the event got ended with happiness among the residents and the IEEE members.

Workshop, Seminar, Quiz

ISTE Student Chapter/SXCCE conducted a workshop on Importance of Brainstorming in Idea Generation on September 16th, 2023 from 9.00 am to 12.15 pm at Einstein Seminar Hall /SXCCE. The resource person was Er.Sobin J M, CEO, Rexknar Creative Solutions Ms.Ancilin Princy of final ECE gave the welcome address and introduced the resource person. The resource person Mr.J.M.Sobin and his team conducted the session. They conducted a session that managed to bring out the talents of students in accordance with their brainstorming qualities.

Students were made to speak, organise 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. Finally, Ms.Arokiya Shalini of final ECE delivered the vote of thanks. In this event, 33 students of various departments were participated
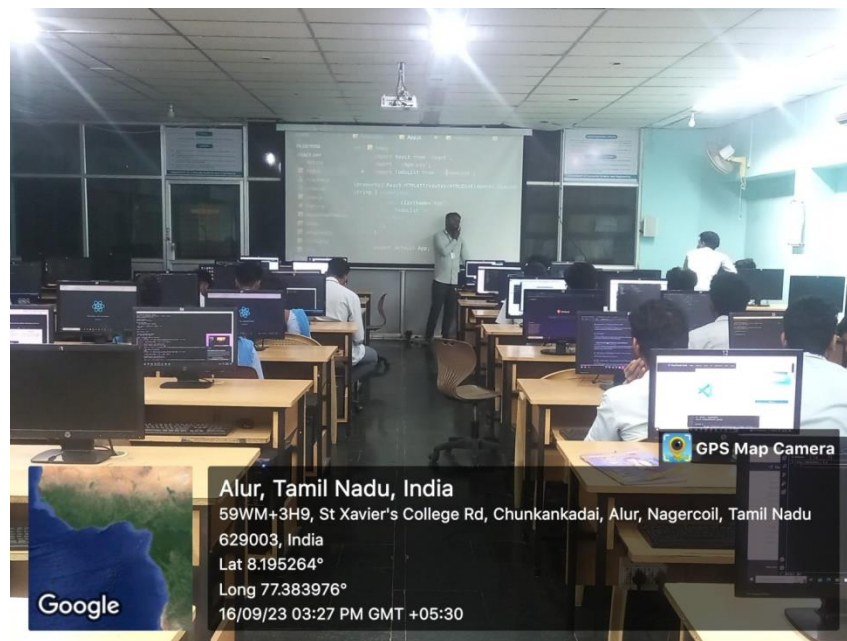
Hands on Training-MATLAB

Electros the association of ECE department organized a Hands on training in MATLAB programming for III year ECE students from 3.00pm to 4.15pm at VLSI lab on 16-09-2023. The resource person was Dr.B.C.Preethi, Assistant Professor, ECE Department. The training covered signal processing module which includes design of analog filters, FIR and IIR filters, signal analysis. She also explained some real time applications. This training was more useful for the students to gain knowledge in matlab programming in signal processing field.

Seminar on Networking

Electros organized a technical seminar on networking for II, III, and IV year ECE students from 9.00 a.m. to 12.15 p.m. at the VLSI lab on September 16, 2023. The resource person was Ms.Antonet Reeta, Networking Specialist, Networkz Systems, Nagercoil. She explained the networking concepts from the basics to latest development ,the job opportunities in that field, and the courses offered by Networkz Systems for career development. She also briefed the students about IoT and embedded systems and the role of networking in that field. She explained the smart home system with the help of a video clip. After that, the Techyon '23 competitions were held for the registered students. The nonparticipants were involved in the slogan context on the topic Engineers/Engineers. The session was very interactive and students gained more knowledge and idea in networking field.
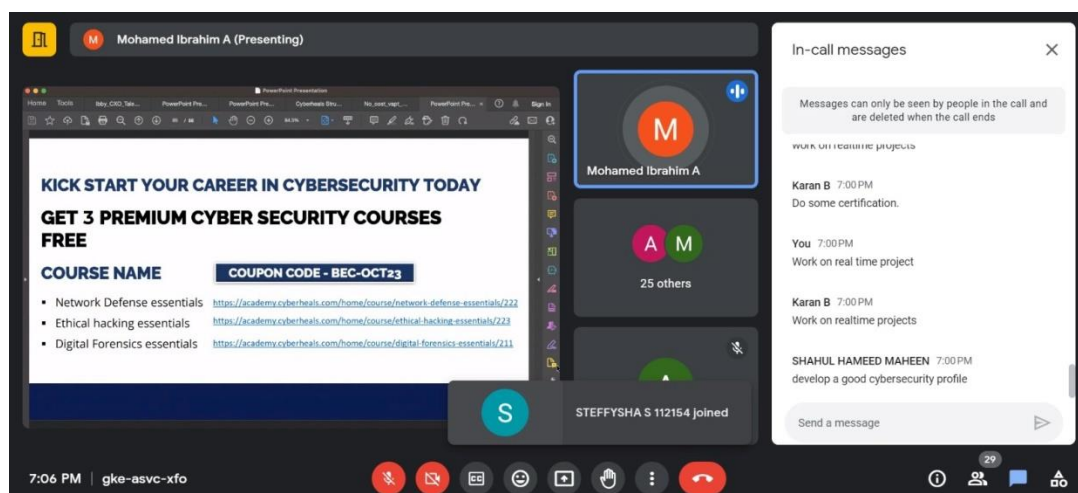
Hands-on training on React JS

The event started at 1:00 pm .The welcome address was given by Lishanth of II CSE B. The speaker encouraged the students to actively participate in order to establish a 2 way communication. He and his colleagues cleared all our doubts. Several hands-on exercises on creating an app using React JS were conducted, allowing participants to apply their knowledge in a controlled environment. Participants engaged in the event so actively. The speaker explained about the various applications that could be made using React JS. He also suggested about the websites that we could use to learn React. The event proved to be a valuable learning experience for all participants. It equipped them with the necessary knowledge and skills. The Q&A session was held. The speaker ensured that he patiently answered to all the questions elaborately. The vote of thanks was given by Rose Mol Lara of III CSE B. The session ended at 4:15 pm.

Seminar on Recent Cyber threats

The Seminar on Recent Cyber Threats held on 16/09/2023 conducted by NCSSS CELL is an awareness effort aimed at increasing the understanding of cyber threats and empowering the students be safer and more secure online. The event started at 9:00 am.The welcome address was given by Ms.Jositha of III CSE B. The speaker encouraged the students to actively participate and clear all their doubts by asking questions. The speaker explained the recent cyber attacks that took place through various apps and the way to protect themselves from such attacks. When we all take simple steps to be safer online - at home, in the workplace, and in our communities - it makes using the Internet a more secure experience for everyone. This session provided an overview of the cybersecurity landscape, discussing the importance of protecting digital assets and personal information. The presenter highlighted the increasing frequency and sophistication of cyber attacks.

Webinar How to build a strong career in cyber security

The webinar started at 6:00 pm. The welcome address was given by Sinoj of III CSE B. The webinar was held through Google meet. The speaker encouraged the students to actively participate in order to establish a 2-way communication. This session provided an overview of the career building in cyber security. The presenter highlighted the increasing frequency and sophistication of cyber security. This session delved into various cyber attacks such as malware, phishing, ransomware, and social engineering. Real-world examples were discussed The participants are given an assignment on "Top 10 cyber attacks in India in last 6 months" that had to be done for 10 minutes. Many students actively participated, The speaker discussed about the following four main steps involved in building a strong career in cyber security.

Build your own portfolio

On behalf of computer society of India, a half day workshop was conducted on 16th September 2023 on the theme build your own portfolio. The session started at 9:00 am and the resource person was Mr. R. Edwin Jose Senior Technical Lead, H&R Block, Techno Park, Trivandrum. He trained the students on step-by-step procedure on how to make a portfolio and some basic tips to help to make their portfolio more effective a comprehensive. The session was so useful to create an industry ready software engineer. 47 students attended the seminar.

Hands-on training on CANVA technology

On behalf of computer society of India, a half day workshop was conducted on 16th September 2023 on the title CANVA Tecnology. The session started at 1:00 pm and the resource person was Mr.P.Nithish, CSI Member. He trained the students on an online design and visual communication platform. As Canva being a very popular digital tool for Internet users. He taught the students the basics to learn graphic design. The session was so useful to create an industry ready software engineer. 42 students attended the training.

Engineers Day Celebration

The Institution of Electronics and Telecommunication Engineers (IETE) celebrated Engineers' Day on September 16, 2023, with great enthusiasm and pride at the Department of Electronics and Communication. Engineers' Day is a significant event celebrated in India to commemorate the birthday of Sir Moksha Gundam Visvesvaraya, a renowned engineer and statesman. Around 50 IETE members had attended the event and various sessions were conducted the members. The Event had begun around 9.30 with an address by the Faculty Advisor Dr.L. Femila. Next Arshitha Fathima from 2nd year ECE department had given the Welcome Address for the session. Melvin Victor from 2nd year ECE department had given a special talk about Engineers Day. He started his talk with a story of Sir Moksha Gundam Visvesvaraya. He shared some useful and valuable insights about the Engineers and role of them in the development of world. The secretary of IETE Mr. Mohammed Roshan (3rd yr. ECE) gave a seminar on the title "Evolution of Computers". His presentation highlighted the remarkable progress and innovations in computer technology that have shaped the modern world. After that Benny Rogger and Abhishek Babu (3rd yr.ECE) had conducted a Quiz which include both technical and fun related quiz. Ms.Amina Beevi M (3rd yr.ECE) presented a technical talk on the latest technological advancement in the Robotic industry: The Ameca. We received a very informative knowledge. We gave some complementary prizes for the winners in quiz, which will be a motivation for them to participate in further events. The event had came to an end by the Vote of Thanks by Jebin (2nd ECE). The IETE Engineers' Day Celebration was a resounding success, reaffirming the importance of engineers in advancing technology and innovation. The event provided a platform for engineers, to come together, share knowledge, and celebrate their contributions to society. As engineers continue to play a pivotal role in shaping the future through innovation and technology, events like Engineers' Day serve as a reminder of their dedication and commitment.

Field visit

II MCA students and three staff members visited Krishi Vigyan Kendra at Thirupathisaram on September 15, 2023, to learn more about the organizational structure, functions, and activities of KVK .Students learn how artificial intelligence (AI) plays a crucial role in agriculture and explain seeding, plowing, and transplants. The standards for agricultural technology were taught to students. They give new ideas for developing software for development in agriculture. Researchers discussed sensors such soil moisture sensors, disease analysis sensors, and weather monitoring sensor. The team members of the soil moisture department provide information on different types of soils and how computer programs used for soil moisture detection work. Finally, we went to the paddy field, where the workers gave us an explanation of the crops and fertilizers area.
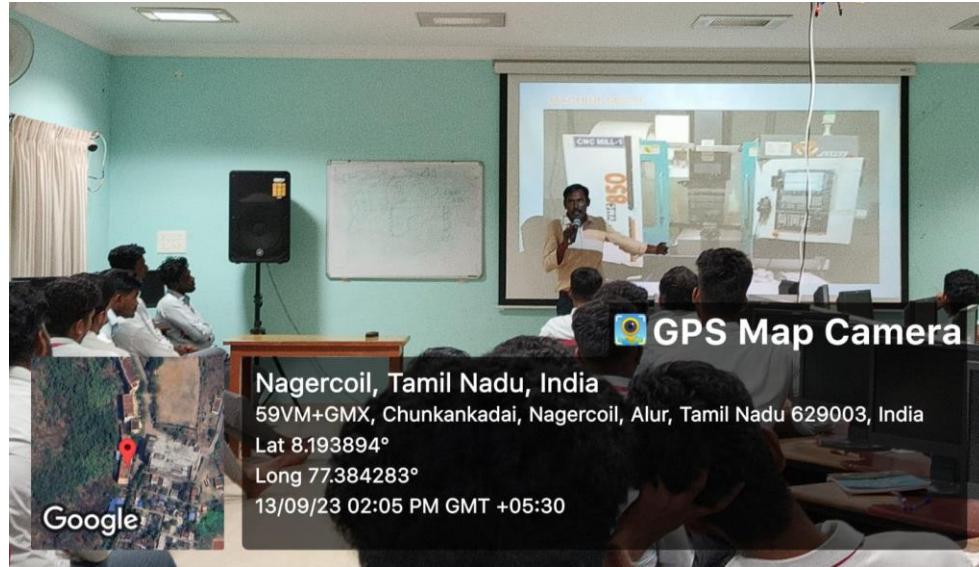
Seminar

St. Xavier's catholic college of Engineering (Autonomous) and St. Xavier's Management Student Association, organized a 1 hour seminar on "Social Media in Business". The venue of the seminar is in the Conference Hall. On 14/09/2023, the seminar commenced at 12 PM and ended at 1.00 PM. The chief guest of the seminar is Mr. K. Ajay, Founder& Proprietor, Ajay Group of companies. This seminar mainly focused on the impact of social media in business. The guest speaker gave information on how to market the products in social media platforms like Facebook, Instagram, YouTube etc., and the cost incurred for the promotion. He inspired and motivated the students by sharing the ups and downs in his life experience. He shared the inspiring story of Louis Vuitton. He further encouraged the students to follow their passion and walk towards their path of interest. He also shared about the dark side of the companies. Lastly, he advised the students to not to get addicted to the social media and mobile phones and to use it wisely

Special talk on Fundamental Rights and Duties of Indian Constitution
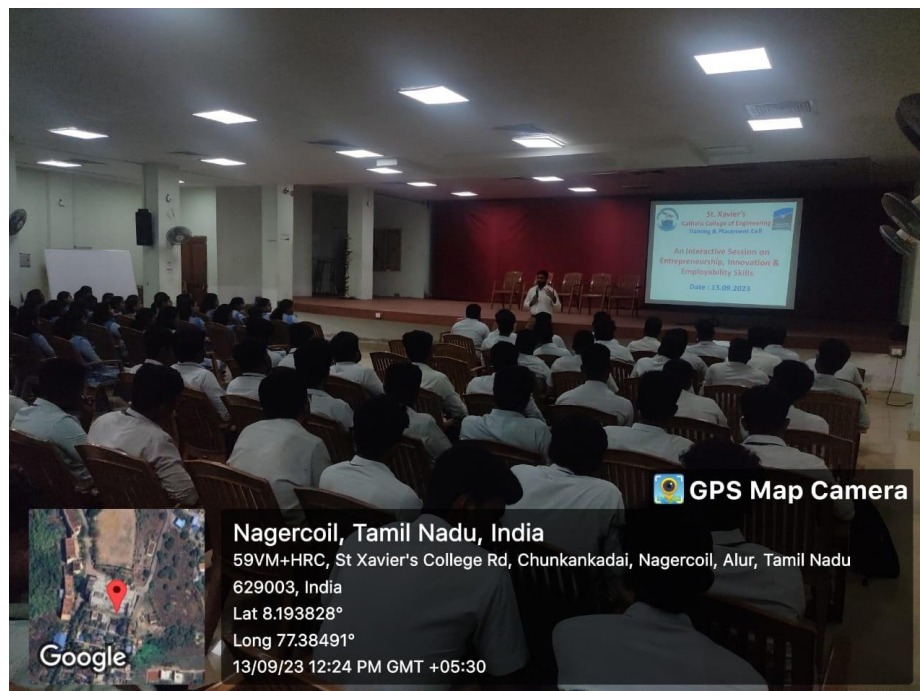

St. Xavier's Catholic College of Engineering (Autonomous) and Constitution club, organised a half-day special talk on "Fundamental Rights and Duties of Indian Constitution", at the Conference Hall on 14/09/2023 the hall was filled with the members of the club and management students. The seminar focused on importance of fundamental rights and duties of Indian citizen. The programme commenced at 2.45 PM with a prayer song by the department choir and a welcome address by Ms Lekshmi (Student secretary). The dignitaries on the dais were Dr. M. Babima, faculty advisor of constitution club and the resource person was Dr. V. M. Binu Lal Singh, MBBS, RCGB (London) District Congress committee president, Kanyakumari (west) and Ms Lekshmi (Student secretary). The guest speaker Dr. V. M. Binu Lal Singh sought to enlighten the students about the fundamental rights and duties as an Indian citizen. He explained about the basic fundamentals like rights to equality, rights to freedom, rights against exploitation, rights to freedom of religion, rights to constitutional remedies and cultural and education rights with is real time incidents and past experiences . He also advised the students to know about their own duties and rights and to implement them wherever necessary. Fundamental duties, on the other hand focus on promoting the collective good and ensuring that citizens contribute the welfare of the country. After the guest lecture talk the vote of thanks was given by Anslin Princi final year student of ECE and the session was ended at 4.15 pm with a national anthem.
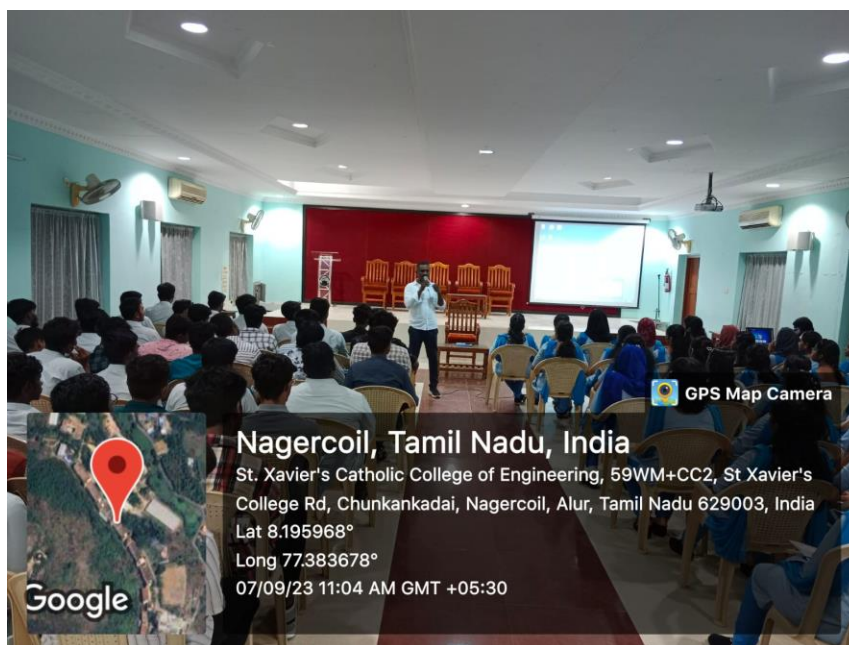
SEMINAR ON LATEST TRENDS IN NDT

The SAEINDIA organized a SEMINAR ON LATEST TRENDS IN NDT on 13.09.2023. The Resource Person was Er.Kumerasan, M.D., Vibrant NDT Services Pvt Ltd. 52 students attended the seminar. Production industries emphases to dispatch flawless and quality products to the customers. As the production organization aware about the importance of product defect monitoring mechanism and implements the non-destructive analysis during pre-production stage, production stage and post production stage. This seminar focused towards the nondestructive techniques in order to fulfill the contemporary demands in the products.

Entrepreneurship, Innovation and Employability

Placement cell conducted a Training programme for IV Year - CSE, IT, ECE, EEE, Mech, Civil students on 13th September 2023. The Resource Person was Mr. Hari Krisha, HR-Lead, Hexaw Technologies. 112 students attended the training. The trainer gave an introduction about his company and shared some Innovative ideas through what employability can be created by own. He delivered a talk about Employability skills, how students can employ through innovative ideas, how they can develop it, in what way it gets influenced in their job. Also, he encouraged students with information to be followed by the students to achieve their dream to enter in a good company or to startup a new company with innovative ideas. The session was very good and the students were much interested in attending such type of training The students gained more knowledge about Innovation and entrepreneurship and employability Students got an idea and confidence about Innovative methods and entrepreneurship. The session was interactive so that students participated with more interest.

Human Value Based Student Induction Programme

The Department of H&Sc has conducted a Student Induction Programme for the First year newly admitted students from 30th August to 12th September 2023. The Program was conducted in offline mode. The branches involved are Electronics and Communication Engineering (ECE), Computer Science Engineering (CSE), Information Technology (IT), Electrical and Electronics Engineering (EEE), Mechanical Engineering (MECH), Civil Engineering (CIVIL), and Artificial Intelligence and Data Science (AI&DS). Within these 9 allotted days, 45 sessions were conducted for the students. Basic knowledge in the fundamental subjects Maths, Physics, Chemistry, English, Computer Science were taught by the respective department faculty members. SXCCE-Profile was explained by the media team. Regulation and curriculum by the dean of Academic Dr. R. P. Anto Kumar, Overall Development by the vice-principal Dr. V. Christus Jaya Singh, Training Programmes and Memory Techniques by the dean of Research Dr. M. Marsaline Beno, Career Plan and Job opportunities by the dean of Futuristic support Mr.

Anto Xavier Roach, Problem Solving in Programming by the dean of systems Dr.R.S.Shaji, Self – Learning by the IQAC coordinator Dr. J. Annrose and Computer technology information and Website by the faculty of Computer Science department Mr.Bright Jose were conducted. NCC, NSS, YRC clubs and its activities were explained by the corresponding student volunteers. An overview about Outcome Based Education was given by the Controller of Examinations Dr.A.Milton. Awareness on Innovation was given by the HILTEK team. The students were also motivated by various sessions on Gender relations and Self Confidence, Career Guidance, Spirituality and Virtues of life, Skill Development and Goal Set, Youth Awareness and Leadership, Health Care and Hygiene, First Aid, Mental and Emotional Wellbeing, Entrepreneurship, fitness and happiness. The experience and success of Alumni was shared by the faculty of Civil department Dr.Frank Stephen, the CEO of Chekln Tek. Er. R. Abishek and the CEO of JustRise technologies pvt ltd Er. T. M. Jebin Jose. On the last day of the course Students feedback was also collected.

Seminar

St. Xavier's Management Student Association organized a 1 day seminar on "Professional Skills Development for Managers". The venue of the seminar is in the Conference Hall. On 12/09/2023, the seminar commenced at 9 AM and ended at 4.00 PM. The chief guest of the seminar is Dr. R. Jinu, Associate Professor of Department of English, Noorul Islam College of Higher Education, Kumaracoil. This seminar mainly focused on the various skills necessary for a manager. The guest speaker spoke relating to the communication, professional skills for a manager. He also focused on the way for effective communication and the barriers in the communication. He used various historical examples. He taught the students the phonetics in English and the use of phonetics in the communication. Further he urged the students to read books. He also recommended some great books to the students like the "Wing of Fire" by Dr. A. P. J. Abdul Kalam. Lastly, He also focused on the interview skills.

Workshop on A way forward with Engineering Innovation

Workshop on "A way forward with Engineering Innovation for Social Transformation" Workshop on Objective To inspire and motivate innovative and Entrepreneurial thinking among students Benefit in terms of learning/Skill/Knowled ge obtained Skill Academic Year 2023-2024 Month September Program driven by Calendar Activity Program /Activity Name Entrepreneurship and Innovation as Career Opportunity Program Type Expert Talk Program Theme Entrepreneurship Date & Duration (Days) 9-09-2023 & 10.30 AM – 4.00 PM External Participants, If any Nil Student Participants: 44

Seminar

A seminar on AR/VR technology was conducted for II yr students of AI DS department on 8.9.2023. Mr. B. Pradeep Sathya Kumar, Regional Head, SCOPIK Edutech was the resource person. 58 students attended the seminar. The method of creating virtual objects was explained by the resource person. He discussed about the demand of AR/VR technology and also, he added

the courses offered by the SCOPIK Edutech, and the effectiveness of the course. The resource person clearly explained the usage of AR/VR technology and its importance. He outlined the software and hardware used in this technology.

Seminar

St. Xavier's Management Student Association, organized a 1-hour seminar on "Contemporary issues in strategic management & strategic decision making". The venue of the seminar is in MBA Computer Lab. On 08/09/2023, the seminar commenced at 11AM and ended at 12.30 PM. The chief guest of the seminar is Dr. J. Jerlin Rajan, Assistant Professor, Karunya School of Management, Karunya Institute of Technology and Sciences, Coimbatore. This seminar mainly focused on strategic management & strategic decision making. The guest speaker uses his personal life experience to explain about the strategic management and strategic decision making. The welcome speech was given by Nooha N. Then the chief guest introduction was given by Dharshana U. Feedback about the seminar was given by Vijay Bhaskar. The guest lecturer taught about the vision, mission, goals and objectives. He also taught us about the SWOT matrix and he insisted us to learn about our strength and weakness. Based on analyzing our own strength and weakness he asked us to overcome it. The guest lecturer makes us to understand about the different contemporary issues in the area of strategic management and their impact on strategic decisions. At last, the vote of thanks was delivered by Sanjay S.R.

Seminar

On September 8, 2023, the Department of Computer Applications hosted a seminar titled "What Next's AR/VR?" in the EEE seminar hall. The main objective is to make the students understand the concepts of AR and VR. The session starts at 1:30 pm with a welcome speech by the HOD of MCA, Dr. M. M. Janeela Theresa, and the resource person, Mr. Pradeep Sathya B. from SCOPIK EDUTECH, Chennai. He explained the demand and significance of the growing technology of AR and VR. Show a sample real-time application of AR and VR.

Kalluri Kalatta

On 7th September, 2023, Kaloori Kalata , a program was organized by the Radio Club of St. Xavier's Catholic College of Engineering, in collaboration with All India Radio Station, Konam, Nagercoil. Two radio jockeys from the station visited our college to host this live event. Dr. S. Absa and Dr. Amal Raj, coordinated the event with participation from over 64 students. The event was broadcasted live throughout the Kanyakumari district at 11:00 am. The theme of kaloori kalata event was Teacher's day. The hosts made the event interactive and enjoyable by involving students in various tasks, riddles, insightful poems, beautiful songs, and interesting technical facts. The event provided a platform for students to showcase their talents to the public,

culminating in a motivating story aimed at inspiring youngsters. Overall, this event greatly benefited numerous students, allowing them to showcase their skills and acquire valuable learning experiences.

Teachers Day Seminar

The Teachers' Day is celebrated in India on September 5, 2023, to mark the centennial of the birth of the illustrious Dr. Sarvepalli Radhakrishnan. This day honors the crucial contributions teachers have made in influencing children's futures. In view of Teachers Day celebration, a seminar on 'Each One Reach One Teach One' was arranged to our cadets on 05-09-2023 at Einstein Hall, SXCCE. Maj S Edwin Gladson, ANO, St. Xavier's Catholic College of Engineering, Chunkankadai briefed the cadets about the program. Prof Bright Jose, Assistant Professor, Department of Computer Science and Engineering, SXCCE, was the resource person. The concept of each one, teach one was founded upon the necessity of the education and unity as fundamental principles for survival. Young people do need to play a key role in this and they have a social responsibility to help eradicate illiteracy in their country. This is the gist of his lecture. Subedar Major Balmer Singh and Hav Murugan of 11 (TN) BN NCC, Nagercoil were present during the program. Forty cadets participated in the program. Arrangements were done by the cadets of our college. After the program, parade was conducted and refreshment was given to the cadets.

Guest lecture - Red Team Operations in Cyber Security

A guest lecture for the subjects IT8761 – Security Lab and CS8792 – Cryptography and Network Security was organized for the IV-year students and the III students in Cyber security research group on 5th of September 2023 in the IT Lab by the department (staff coordinators – Dr. G Sahaya Stalin Jose and Er. T M Angelin Monisha Sharean) and BRIGITZ. Er. R Ajay, Threat Analyst, Sophos (Alumnus -IT) acted as the resource person. He shared the basic concepts of Cyber Security and the details of the Red Team activities in the field of Cyber Security. Also, he guided the students to become an expert in the field of Cyber Security by learning a series of specialized courses from various online platforms. About 26 students and a few staff members were benefited by participating in the event.

Onam celebration

Onam festival, Varnam'23 was celebrated by Jyothis on 28-08-2023. The function started at 9.45am and was presided over by our Correspondent. The function was felicitated by Dr.Nallapaneni Manoj Kumar, Director, HICCER, Hong Kong University, Principal Dr.J.Maheswaran and Vice-Principal Dr.V.Christus Jeya Singh. Deans, HODs, faculty, staff and student members of the association were present during the function. After the function Athapoo competition was conducted for the students. 8 teams (40 students) participated and their

pookolam was judged by Ms.Jasmine Suguna (MBA department) and Dr.J.P.Vidhya (English department). Later the faculty, staff and the students of various departments also viewed the athapoo.

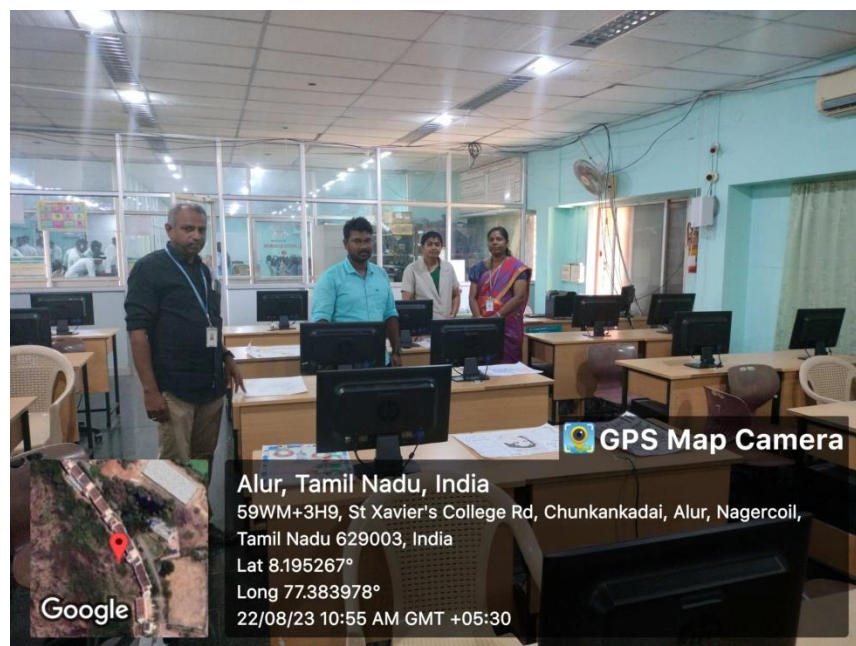**Holistic approach to prevent Cancer**

The outreach cell of SXCCE organized an awareness seminar on "Holistic approach to prevent cancer" for the girl students on 25th of August 2023 from 11.00 a.m. to 12.30 p.m. in the EEE seminar hall. Mr. S Senthil Kumar, Managing Trustee, Sreeram Cancer Trust, Nagercoil acted as the resource person sharing the healthy lifestyle to be followed and to make the food style as "food as medicine". The students were given a brief idea about basic techniques for checking the symptoms of cancer specially in finding the breast cancer and cervical cancer. Also, the guidance to approach the trust and other organizations to get free treatments. About 96 students and 13 staff members benefited themselves by participating in the event.

State Seminar on Recent Trends in Libraries

State level seminar on "Recent Trends in Libraries" organized by St. Xavier's Catholic College of Engineering, Dr. Ambedkar Central Library, Readers Club and Kanyakumari District Librarians. Federation (KDLF) on 25-08-2023. The seminar inaugural function was started at 10.00 am with prayer song. Our Correspondent Rev.Fr.Dr. M. Maria William and Chief Guest Dr. P.K. Suresh Kumar lightened the Kuthuvizhakku. Our Librarian Dr.M.Vijayakumar delivered the welcome address. KDLF Coordinator Dr. M. Lawrence Mary presented the introduction about seminar. The seminar was felicitated by our Vice-Principal Dr. V. Christus Jeyasingh. Our Chief Guest addressed the inaugural function and gave motivation about the use of library and importance of reading. Then readers club logo was released by our correspondent and followed by he gave the presidential address. Vote of thanks was given by readers club faculty advisor Mrs. P. Agnes Alex Rathy. The second session was started by 11.30 am. The Resource Person Dr. P.K. Suresh Kumar, presented a topic on "Recent Trends in Academic Writing & Plagiarism". The paper presentation session was started at 12.00 noon. The special address was given by Dr.K. Murugan, Librarian, Lakshmipuram College of Arts & Science, Lakshmipuram.

Poster Presentation Competition

The Poster Presentation Competition on "My Favorite Book" was announced on 07-08-2023. Students are instructed to submit their poster on 18-08-2023. Ten students from different departments submitted their posters to Dr.M.Vijayakumar, Librarian. The team of our staffs Mrs. J.S. Simi Mole, Assistant Professor, Department of CSE and Mr.Ajith Leon, Designer, judged based on the content and design. The following students were selected as prize winners of this event.

Technical Seminar

BRIGITZ organized a technical seminar on Ethical Hacking" for the III and IV-year IT students on 12" of August 2023 trom l.00 p.m. to 4.00 pm. Ms. Antonet Reeta, Network Specialist of Networkz Systents acted as the resource person sharing her knowledge about Ethical Hacking. The students were given a brief idea about basic techniques followed in hacking and how to prevent being hacked. Then the need of ethical hacking and how the ethical hackers safeguard critical data from other hackers. They were also given a gist the opportunities for hackers. About 50 students participated in the event.
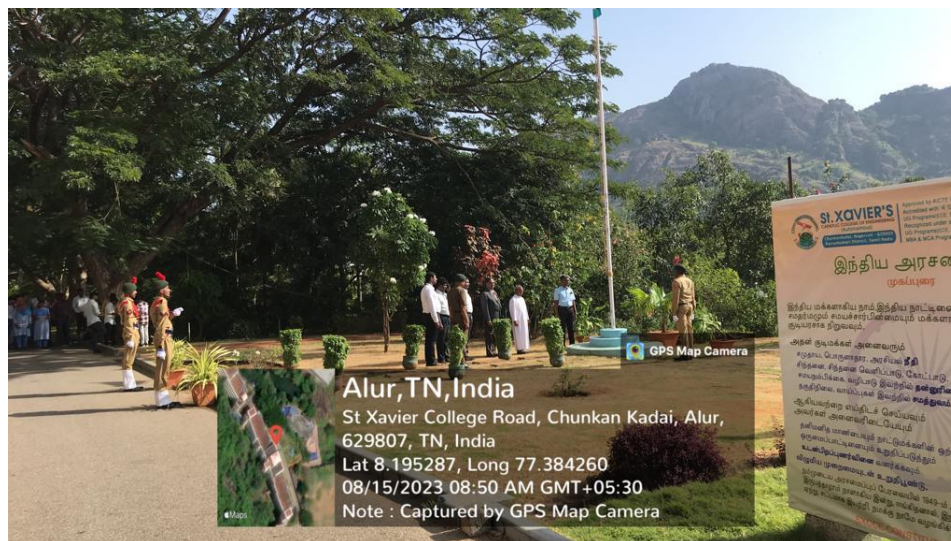
How to plan for startup and legal and ethical steps

Session on" Angel Investment/VC Funding Opportunity for Early Stage Entrepreneur" – How to plan for startup and legal and ethical steps was conducted by the Institution Innovation Council on 17/08/2023. About 120 students attended the session. The resource person was Dr.RamKumar C, Innovation Ambassador, IIC, Dr. NGP Institute of Technology, Coimbatore. The objective of the session is to make the students understand how Start-Ups can be funded with the help of Angel Investors.

Wokshop on How to plan for a Start-Up

The Workshop titled "How to plan for a Start-Up and Legal & Ethical steps" was held on 17/08/2023 at 10.00 A.M in the EEE Seminar Hall. Around One hundred and twenty six members attended the Workshop along with five staff members. The Workshop began with a prayer song, and the ECE Department EDC Coordinator, Mr.M. Starwin delivered the welcome address. Ms Naina B Nair, EDC member of SXCCE, introduced the chief guest. The resource person Dr. C. Ramkumar, Innovation Ambasaddor IIC, Dr. NGP Institute of Technology - Coimbatore, addressed about Angel Investment , VC funding, Various stages in Entrepreneurship, Innovation and Startups. The resource person Mrs. B. Vijayalakshmi, Founder & CEO, Innovate India – Coimbatore addressed about the Intellectual Property Rights, IP management for Start-Ups. The Workshop ended at 1.00 p.m. with vote of thanks by Mr.T. Michel Raj, EDC Coordinator. Participants' attendance and feedback about the workshop were made properly.
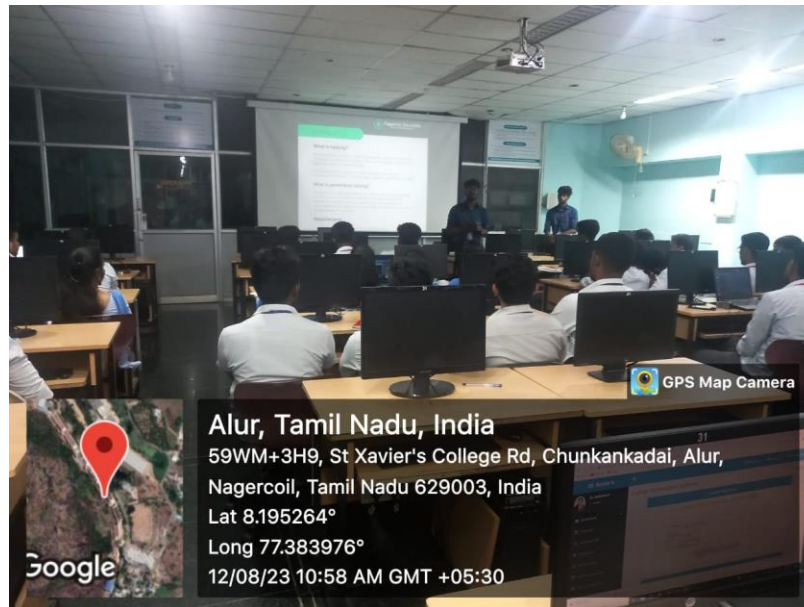
Independence Day Celebrations

The campus of St. Xavier's Catholic College of Engineering (Autonomous) was adorned with patriotic fervor and enthusiasm as the institution celebrated the 77th Independence Day of our Country on August 15, 2023. The event took place in the dignified presence of the Correspondent, the Principal, the Chief Guest Adv. Michael Gerald Cyril, Assistant Public Prosecutor, Tirunelveli, Faculty members and students, and special guests. The celebrations commenced at 8:30 am with a spirited March Past by the National Cadet Corps (NCC), showcasing discipline and unity. The fluttering tricolor was then hoisted by Rev. Fr. Dr. M. Maria William, marking the symbolic start of the day's festivities. Following this, a solemn Pledge was undertaken by the NCC, reaffirming the commitment to the nation. The air was filled with patriotism as the National Service Scheme (NSS) presented the Flag Song, evoking a sense of pride among the attendees. The Constitution Club presented the Preamble of the Constitution, emphasizing the core values on which the nation was built. The proceedings then shifted to the Conference Hall, where the Constitution Club extended a warm Welcome Address, setting the tone for the rest of the event. This was followed by a melodious Group Song by NSS, celebrating the spirit of unity in diversity. The Independence Day Speech delivered by our NSS volunteers shed light on the significance of the day and its relevance in today's context. Dr. J. Maheswaran, the Principal of the institution, shared an inspiring Independence day message, encouraging students to contribute positively to the nation's progress. Our NSS Volunteers enthralled the audience with a lively Group Song performance, showcasing the cultural vibrancy of the institution. The highlight of the event was the Chief Guest Address by Adv. Michael Gerald Cyril, Assistant Public Prosecutor, Tirunelveli. His insightful words emphasized the importance of upholding justice and democratic values. Rev. Fr. Dr. M. Maria William, the Correspondent, delivered a Presidential Address, commending the dedication and spirit of the college community. The Fine Arts Club returned with a mesmerizing Group Dance, demonstrating their talent and creativity. A significant part of the event was the Prize Distribution, recognizing the achievements of the students. The Youth Red Cross (YRC) extended a heartfelt Vote of Thanks to everyone who contributed to the success of the event. The celebrations culminated around
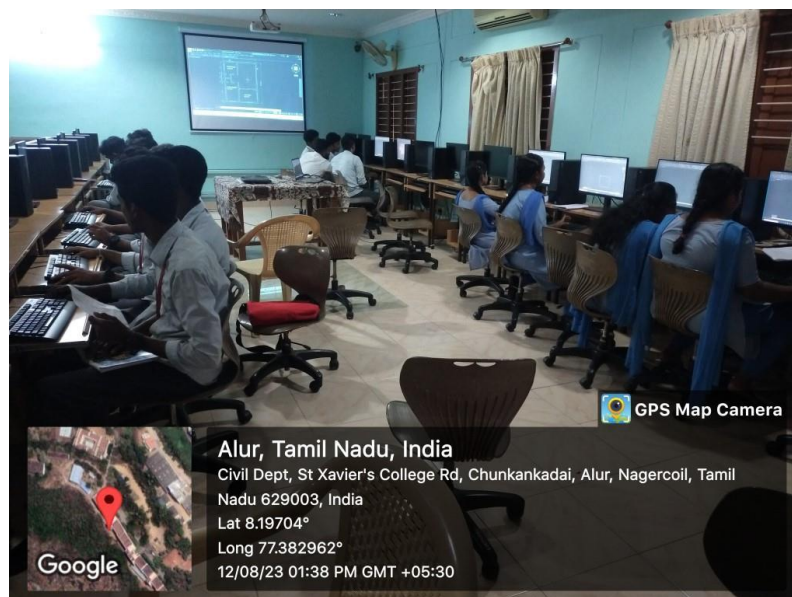
10:45 am with the entire gathering standing in unison for the National Anthem, filling the air with a deep sense of pride and patriotism.

Hands-on workshop - Ethical Hacking

The Hands on Ethical Hacking Workshop held on 12/08/2023 conducted by NCSSS CELL aimed to provide participants with a comprehensive understanding of cybersecurity concepts, ethical hacking techniques, and strategies to defend against cyber threats. 55 students attended the workshop. The resource person was Mr.Karthikeyan.V, Founder and CEO of Capprico Securities, Chennai. Real-world examples were discussed to illustrate the impact of these threats on individuals and organizations.

One day Workshop on 2D Planning and Cost Estimate

The REACH Association, Department of Civil Engineering, organized a One Day Workshop on 2D Planning and Cost Estimation. The Resource Person was Er. Praveen Kumar, Corporate Trainer, BIM CADD, Nagercoil. 24 Students from III year and IV year Civil Engineering attended the workshop. The session covers selection of Plots, Scientific Vastu, Building Cost Estimation and how to prepare 1000 sq.ft. plan within 10 minutes. The Resource person gave hands on training to students to draw plan in AutoCAD. At the end of the session, the students were asked to draw a plan for 1000 sq.ft. The session provides a basic knowledge to students on using AutoCAD.

Seminar on Virtual Reality on BIM

The REACH Association, Department of Civil Engineering, organized a seminar on Virtual Reality on BIM. The Resource Person was Mr. Jebastalin C, Trainer, CADD DESK, Nagercoil. 24 Students from III year and IV year Civil Engineering attended the seminar. The session provides basic knowledge on BIM and the various applications using BIM. The seminar was very informative and the students gained knowledge on the application of BIM.
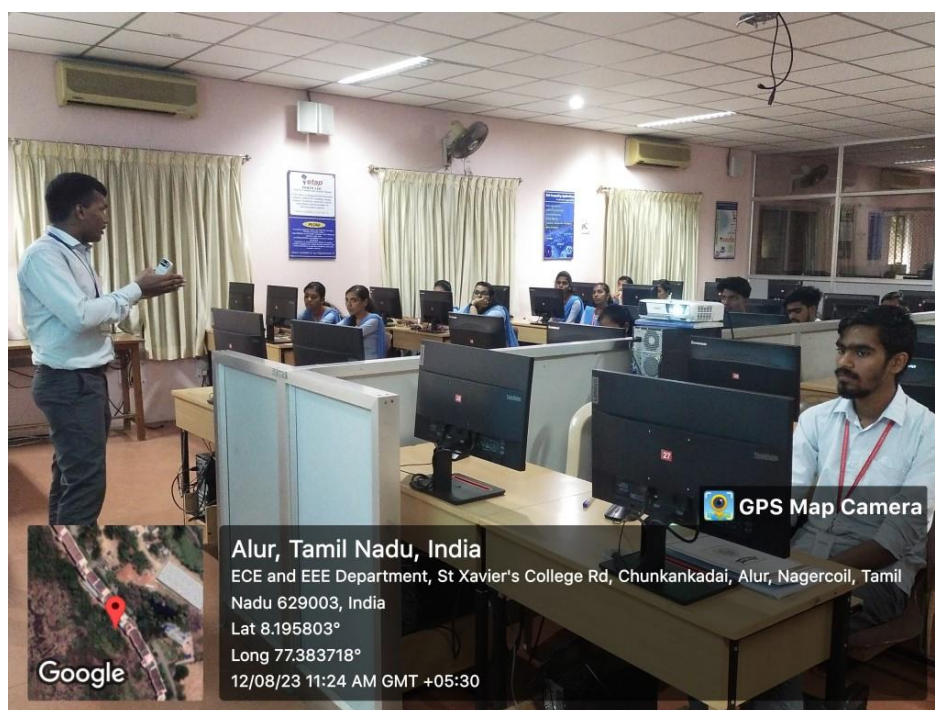
International Youth Day

The vibrant spirit of youth and their integral role in India's Development took center stage at the International Youth Day Celebrations organized by the National Service Scheme units of St.Xavier's Catholic College of Engineering on August 12, 2023. The event unfolded at the Conference Hall, providing a platform for students to showcase their talents and perspectives. Themed around "Role of Youth in India's Development", the day kicked off with the English Essay Writing competition from 11:00 am to 11:30 am. A total of 20 participants passionately articulated their insights on this pivotal topic, shedding light on the diverse ways in which youth contribute to the nation's progress. Following this, the Tamil Essay Writing competition unfolded from 11:40 am to 12:10 pm, where 22 participants eloquently expressed their thoughts in their native language, emphasizing the cultural diversity that enriches India's development journey. Distinguished judges, Ms. F. Adline Aruna AP / HSc and Ms. F. S. Abisha AP / HSc evaluated the Tamil and English Essay Writing competitions The afternoon session, commencing at 1:00 pm, saw the English and Tamil Elocution competitions. Students presented compelling speeches that highlighted their vision for India's growth and their pivotal role in shaping its future. Simultaneously, the Solo and Group Song performances began, filling the hall with melodious harmonies. A total of 11 Solo Song participants and 3 dynamic Group Song teams showcased
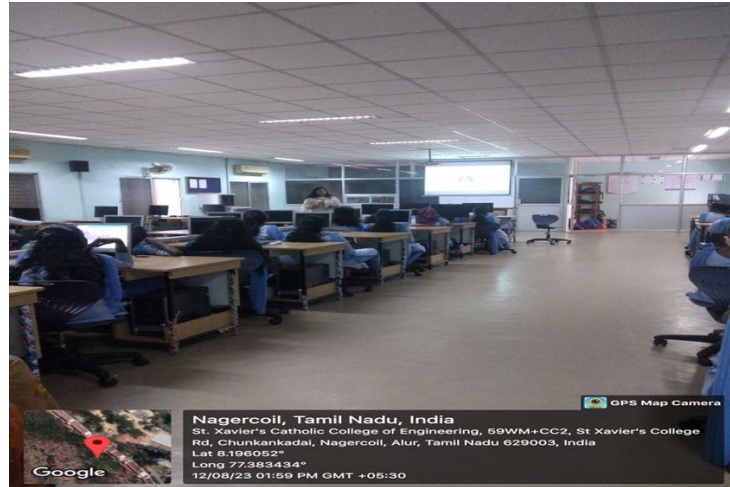
their musical talents, further reinforcing the theme of youth's impactful contribution. Distinguished judges, Mrs. P. R. Sheebha Rani, AP & HOD / CSE, Mrs. J. S. Simi Mole, AP / CSE, and Mrs. A. Annie Portia, AP / AI&DS, evaluated the Tamil and English Elocution competitions and the Group and Solo Song performances, lending their expertise and adding a touch of professionalism to the event. The much-anticipated winners were announced, celebrating the exceptional talents and efforts of the participants. As the clock struck at 4:15 pm, the celebrations come to an end, leaving an atmosphere of accomplishment and unity. The International Youth Day Celebrations, orchestrated by the NSS of St.Xavier's Catholic College of Engineering, not only underscored the pivotal role of youth in India's development but also fostered a sense of pride and unity among the participants.

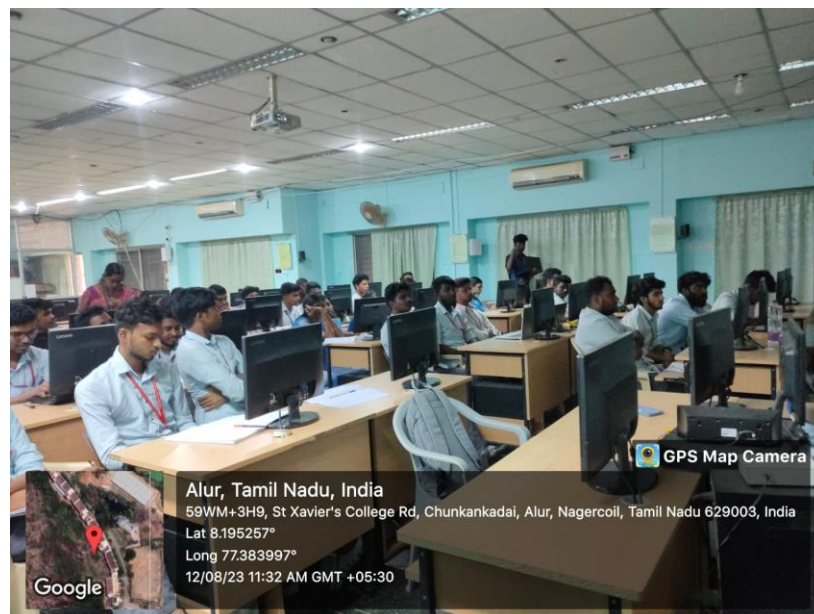**Orientation Program on Saving Energy**

The orientation program on saving energy through Green9 mantras was organized by SXCCE G9 EnSav Club on 12th August 2023. The event was started at 9.00 AM in the morning. Around 25 students were benefitted from the program. The objective of the program is to create awareness among the public and on saving energy and United Nations Sustainable Development Goals. The resource person also explained the various events and SDG projects that are under progress in the Institution of Green Engineers and motivated them to undertake these projects. He also insisted to complete the Energy Literacy Course, which will make them clear about the present energy scenarios. During the afternoon session, the students learn about the energy scenario, issues in energy consumption, ways to save energy, etc., The program came to an end by 4.00 PM on the same day. The student chairman of the club proposed the vote of thanks.

Seminar

Electros in association with ACM students chapter and Robotics club organized a technical seminar on 'AI Unleashed:Empowering Engineers to shape the future' for III and IV year ECE students on 12-08-2023 from1.00pm to 4.15 pm at VLSI lab. The resource person was Ms.Kajal Kiran, Data Scientist. She is one of our alumna. She shared her experience from the college life to the entry of her profession. She explained the AI and its uses in real time applications. She explained the concept with her project 'The Lifetime Calculation using Artificial Intelligence '. Machine learning and deep learning techniques were also clearly explained. Also she explained the importance of python in this programming world. She shared the compiled code for the representation of histogram, scatter plot using python. She also explained the scope of AI and job opportunities in Netherland. Students learned more concepts and gained more information about artificial intelligence, deep learning and Machine learning.

Hands-on Training on Web application penetration

The Hands on Web Application Penetration training held on 12/08/2023 conducted by CSI club aimed to provide participants with a comprehensive understanding of strategies to defend against cyber threats. The workshop was led by Mr. C Karthikeyan, Co-Founder of Cappricio Securities. This dynamic duo drew a diverse audience, including students and professionals with a keen interest in the cybersecurity domain. CSI members from IV CSE attended the training. This session provided an overview of the cybersecurity landscape, discussing the importance of protecting digital assets and personal information. The presenter highlighted the increasing frequency and sophistication of cyber attacks. Real-world Examples were discussed to illustrate the impact of these threats on individuals and organizations. Participants learned about vulnerability assessment and penetration testing methodologies. The importance of identifying and remediating vulnerabilities before malicious hackers exploit them was emphasized. Several hands-on exercises were conducted, allowing participants to apply their knowledge in a controlled environment. Participants engaged in simulated hacking scenarios to gain practical experience in exploiting vulnerabilities. The Web Application Penetration Workshop proved to be a valuable learning experience for all participants. It equips them with the necessary knowledge and skills to better comprehend the cybersecurity landscape and the ethical hacking techniques used to protect digital assets. The event highlighted the importance of ethical hacking in enhancing overall cybersecurity and promoting responsible digital behavior.
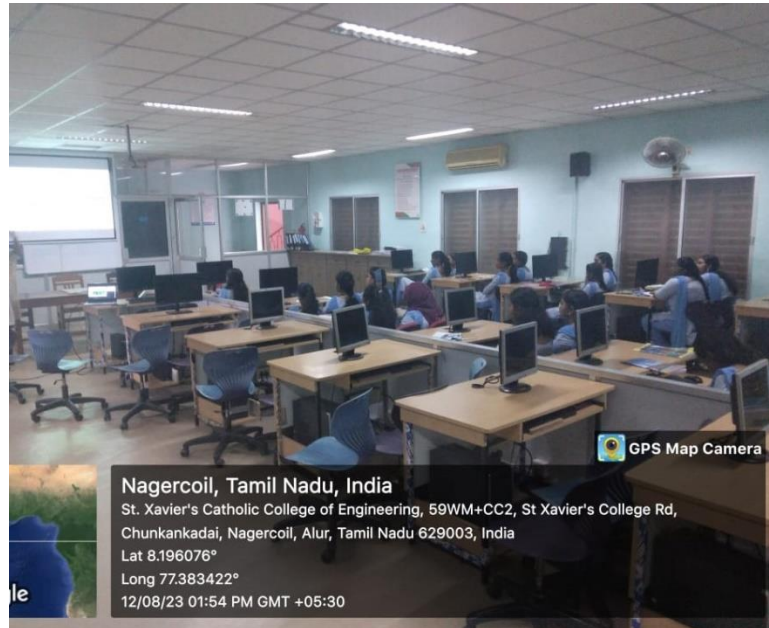
HANDS-ON TRAINING IN ARDUINO

A one day hands-on training on Arduino was organized by IEEE student branch at 12/08/2023. Around 30 members were participated in this event. This event starts at 9.15 a.m. and the introduction of Arduino was given by our alumnus Mr. Benny Jackson. The welcome address was given by Ms. Raksha J, IEEE executive member. The chief guest was introduced by Ms. Fathima Renosha, IEEE executive member. He taught us about the structure and working of Arduino, various types of Arduino and introduction about Arduino IDE. This introduction session ends at 11.00 a.m. The hands-on training starts at 11.15 a.m. This event was organized by the final year IEEE members. Experiments with various sensors were taught by them. This event

ends at 4.15 p.m. This training was a wonderful experience. I hope this event was useful to every member.

Hands on Training-MATLAB

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

Debugging competition

The Association of Computer Engineers (ACE) organized a debugging competition on 12.08.2023. 30 students took part in the competition. The debugging competition was conducted successfully for the 3rd year and final year students of Computer science and engineering department. It provided a platform for students to showcase their debugging skills and problem-solving abilities.

Seminar on advanced AI

The Association of Computer Engineers (ACE) organized a Power seminar on Advanced AI on 12.08.2023. The Resource Person was S.N.Sujith,AI Expert, Networkz Systems, Nagercoil. 30 Students participated in the seminar. The power seminar on Advanced AI was conducted for 3rd year and final year students of Computer Science Engineering. The seminar covered various topics like Natural Language Processing (NLP), Deep Learning (DL) , Machine Learning (ML), types of Machine Learning etc . It was totally useful and completely interactive session.

Government Schemes to Support Start -Ups in India

The Seminar titled "Government schemes to support start-ups in india" was held on 11/08/2023 at 11.00 A.M in the Einstein Hall. Around One hundred and thirteen members attended the seminar along with the staff members. The seminar began with a prayer song, and the EDC member, Mr.Harikrishnan Nair delivered the welcome address. Mr.Mohammed Abdul Hakkim, EDC member of SXCCE, introduced the chief guest. The resource person Mr. A. Berbert, General Manager, District Industries Centre - Nagercoil, addressed about various schemes from State, Central Government for Entrepreneurship, Innovation and Startups. The meeting ended at 12.20 p.m. with vote of thanks by Mr.A.P.Ajil Prasad, EDC member. Participants attendance and feedback about the workshop were made properly.

Drug Awareness Programme and Social Justice Camp

The National Service Scheme of our college has organized a Drug Awareness Programme and Social Justice Camp on 09/08/2023. The Drug Awareness Programme commenced at 02:30 pm in the Einstein seminar hall. The event was graced by the esteemed presence of Mr. A. Balakrishnan, Statistical Inspector, Revenue Department, Kanyakumari District and Officials from Tamil Nadu Police Department. The inaugural session began with a warm welcome extended to all attendees by one of our NSS volunteers. In his thought-provoking address, Mr. A. Balakrishnan emphasized the alarming consequences of drug abuse on individuals, families, and society. He underscored education's vital role in empowering youth to make informed choices and lead productive lives In addition to discussing drug awareness, Mr. A. Balakrishnan touched upon the importance of responsible mobile phone usage and the necessity of wearing helmets while riding two-wheelers. He also highlighted the significance of obtaining vehicle insurance, ensuring safety for the vehicle owners and others on the road. Next, our Programme Officer, Mr. L. G. X. Agnel Livingston, gave a talk about the intricacies of data storage on the Internet, shedding light on the importance of responsible mobile phone usage. He encouraged everyone to be mindful of the apps they install, the permissions they grant, and the websites they visit to ensure their data remains secure and their online activities remain private. The Drug Awareness Programme came to a close at 4:15 pm, leaving a lasting impact on all participants. Around 97 students participated and get benefitted.
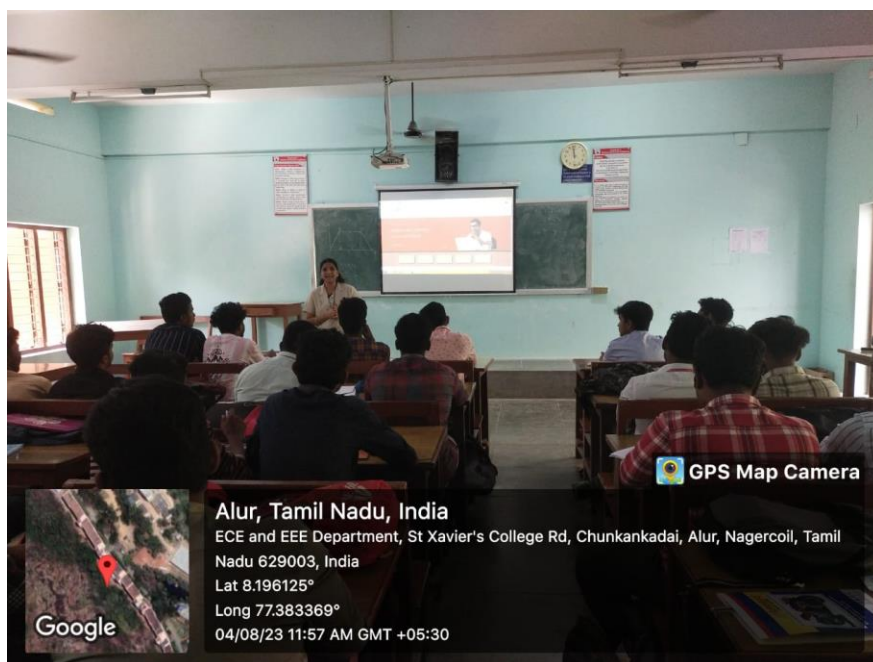
CAD DESK program

The CAD DESK program, organized by the Electrical and Electronics Engineering (EEE) Department, took place on 7th August 2023 at 3:00 PM. The event aimed to provide valuable insights into various aspects of engineering, including power systems, automation, and design engineering. Power Plant and Power Grid : Participants were enlightened about power generation and distribution systems, shedding light on the workings of power plants and power grids. Job Selection Process: Valuable insights were provided regarding the process of job selection and the skills required to excel in the competitive engineering job market. Design Engineering and Its Need: A brief overview of design engineering and its pivotal role in various industries was

presented, emphasizing the need for innovative design solutions. The CAD DESK team covered Programmable Logic Controllers (PLC) and Supervisory Control and Data Acquisition (SCADA) systems, elucidating their applications in industrial automation. The significance of MATLAB and embedded systems in modern engineering practices was highlighted, showcasing their versatility in solving complex problems. Participants gained insights into automation systems and were introduced to different sectors where automation is extensively employed. Common challenges related to Programmable Logic Controllers were discussed, providing attendees with a deeper understanding of potential issues and solutions.

Seminar on online courses through NPTEL

A seminar on "online courses through NPTEL" was held on 4th august, 2023 at St. Xavier's Catholic College of Engineering. It was organized by Society of Electrical Engineers (SEE). The seminar started at 10:30 AM – 12:15 PM . Online learning is rapidly becoming one of the most effective ways to impart education. The impact of the virus was so strong that online education became a seemingly ubiquitous part of our growing world, which resulted in the closure of schools and no further physical interaction of teachers with students. Education has changed dramatically, with the distinctive rise of elearning, whereby teaching is undertaken remotely on digital platforms instead of physical classrooms. For students, online classes have become an imminent trend in the education sector around the globe. Digital learning has provided easy access to the files and folders that can now be organized and saved without any physical damage. With one click, students can access their notes and assignments without the fear of misplacing or spoiling them. With advanced technology, this mode of learning has not only been simpler but fun and engaging as well.

Visit to Build Expo

The Build Expo'23 was organized by the Builder's Association of India, Kanyakumari Centre from 04/08/2023 to 06/08/2023. The second and third year students of Civil Engineering department had a visit to the Build Expo on 04/08/2023 at around 1:30 p.m. The exhibition showcased various Building Materials, Interior & Exteriors, Construction Equipments, Construction Technologies & Architectural Techniques, Builders & Promoters. The visit helps the students to discover up-coming design trends, eco-friendly products, the latest industry developments and experience creativity and expertise in the field of Civil Engineering. A total of 55 students visited the exhibition accompanied by 4 staff members. They returned to college around 3.30 p.m.

Seminar on "BUSINESS MODEL CANVAS"

The Seminar titled "Business Model Canvas" was held on 02/08/2023 at 2.30 PM in the Conference Hall. Around Ninety five students, 9 members from Resource Person's team and five Staff members attended the. The seminar began with Thamilthai Valthu, and the IIC Convenor, Dr. T.S. Sheela Shiney delivered the welcome address. EDC Student member Ms. Lekshmi (CSE Department – Final year student) introduced the chief guest. The resource person Mr. Ramkumar Sivakumar delivered the lecture about Business Model Canvas. The Dean of Student Futuristic Services Mr. Anto Xavier Roche handled the question answer session. The meeting ended at 4.15 PM with vote of thanks by Mr. T. Michel Raj, EDC Coordinator. Participants attendance and registration were made properly.

Seminar on Universal Values

SXCCE ACM Student Chapter (124771) organized a seminar on the topic "Universal Values" on 28th July 2023. Abisha B, Member of ACM-W formally welcomed the gathering and introduced the resource person Mrs.M.Tamilarasi, M.Sc,M.A,M.Ed,M.Phil., PG Assist (Retd),Trichy. The resource person took over the session. The resource person shared 12 values which start with the Tamil vowels, that reflect the inherent worth and dignity of every individual and govern their behaviour and interaction with others. The resource person also explained about the 26 universal values each corresponding to a letter of the English alphabet, which are believed to be universally applicable that can help individuals and societies promote understanding, respect and cooperation leading to a brighter and more inclusive future for all. She has also skilfully utilized motivational videos to boost the participants' self-confidence during the session. After the completion of the seminar, Vote of thanks was delivered by Ashrin Ummu Salma , Webmaster of ACM.

Lean Start-up and Minimum Viable Product/Business

To develop the products or services with the minimum amount of effort and do the iterative release to shorten the life cycle, a session on Lean Start-up and Minimum Viable Product/Business was conducted on 25/07/2023 by the Institution's Innovation Council. 140 students attended the session. The resource person was Mr. Yokees Kumar, Team learning-HR L&T-MINDTREE.

Emerging Research Areas in Renewable Energy Source

A seminar on "Emerging Research Areas in Renewable Energy Sources : Technology and Design " was held on 21th July, 2023 at St. Xavier's Catholic College of Engineering. It was organized by Society of Electrical Engineers (SEE). The seminar started at 2:30 PM – 4:15 PM.

The speaker was Dr. Binu Ben Jose, Professor, School of Electrical Engineering, Vellore Institute of Technology. The objective of the seminar was to introduce about the emerging research areas in renewable energy sources that have become a significant part of our lives. Science and technology for renewable and sustainable energy are indispensable for our future society and economics. To meet the goal of sustainable energy development, there is a growing body of research efforts world wide. The planner of energy research has to grasp the broader coverage of scientific and technological research, and make decisions on effective investment in promising and emerging technologies especially under circumstances of limited resources. Renewable energy technologies can be categorized as mainstream energy technologies and emerging energy technologies. Mainstream renewable energy sources comprise of hydropower, wind energy, solar energy, biomass energy, biofuels, and geothermal energy while emerging renewable sources consist of marine energy, concentrated solar photovoltaics, enhanced geothermal energy, cellulosic ethanol, and artificial photosynthesis. There has been a lot of work on the mainstream renewable energy technologies in the past few decades, and it is still going on. Apart from the mainstream energy technologies, some new, renewable energy technologies have also emerged in the last decade and have attracted the researcher community. These renewable technologies are still not widely demonstrated or their commercialization level is limited. Many are on the horizon but some have more potential than other renewable energy technologies.

Session on Prototype/Process Design & Development

Session on Prototype/Process Design & Development was organized by the Institutions Innovation Council on 21/07/2023 to gain insights in a design thinking process to carry out some form of prototyping. 83 students attended the program. Mr.Collins Money, Product Manager at Harley-Davidson was the resource person.
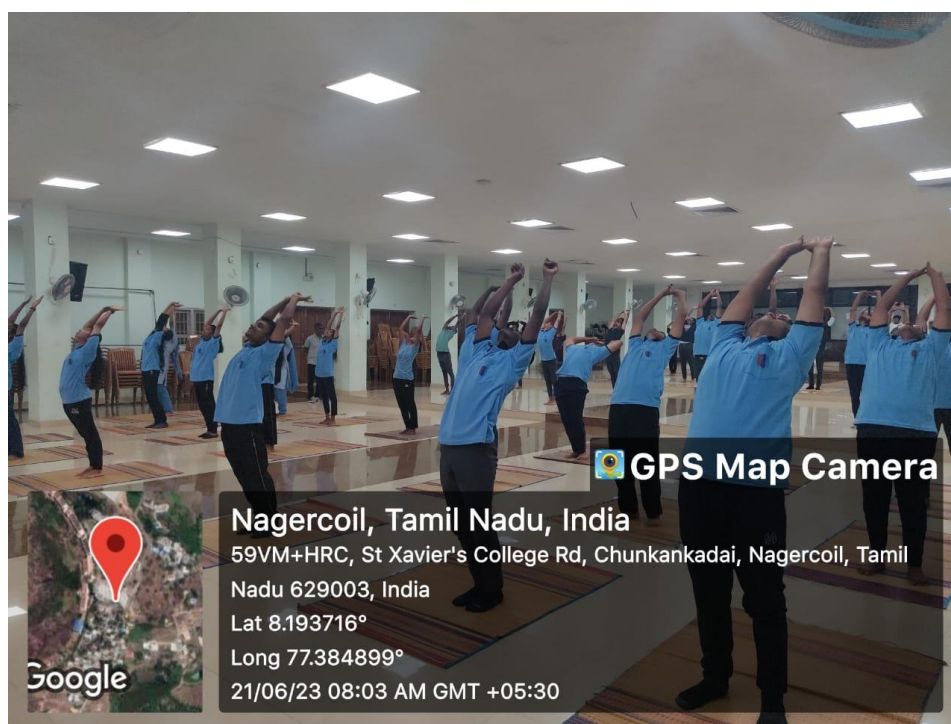
Tree plantation

This event was conducted to reduce the carbon foot print of the college by planting more trees. Rev. Fr. Dr. M. Maria William, Correspondent of SXCCE presided the tree planting event. Dr. J. Maheswaran, Principal of SXCCE and Dr. V. Christus Jaya Singh, Vice-Principal of SXCCE has accompanied this event. Mr.S.Titus, Skilled assistant of Electronics and Communication Engineering shared his 17 years of tree plantation experience with students. Plant raising bags were distributed to the students and asked to return the bags with new saplings. Next, the Correspondent, Principal, Vice principal, Professors and student members of ECO club planted tree saplings inside the campus. At the end of the event, the importance of planting more trees to avoid global warming and maintain good climatic conditions was explained to the members of the Eco Club.

Student Induction program

The Department of H&Sc has conducted the Bridge Course for the First year newly admitted students from 26th June to 7th July 2023. The Program was conducted in offline mode. The branches involved are Electronics and Communication Engineering (ECE), Computer Science Engineering (CSE), Information Technology (IT), Electrical and Electronics Engineering (EEE), Mechanical Engineering (MECH), Civil Engineering (CIVIL), and Artificial Intelligence and Data Science (AI&DS). Within these allotted days, 54 sessions were conducted for the students. 12 sessions were allotted for English, 12 for Mathematics, 12 for Physics and 12 for Chemistry. In addition, two sessions were allotted for Self Evaluation as motivation class and 4 sessions were allotted for sports, library and departmental activities. On the last day of the course Students feedback was also collected and assessment was also done.
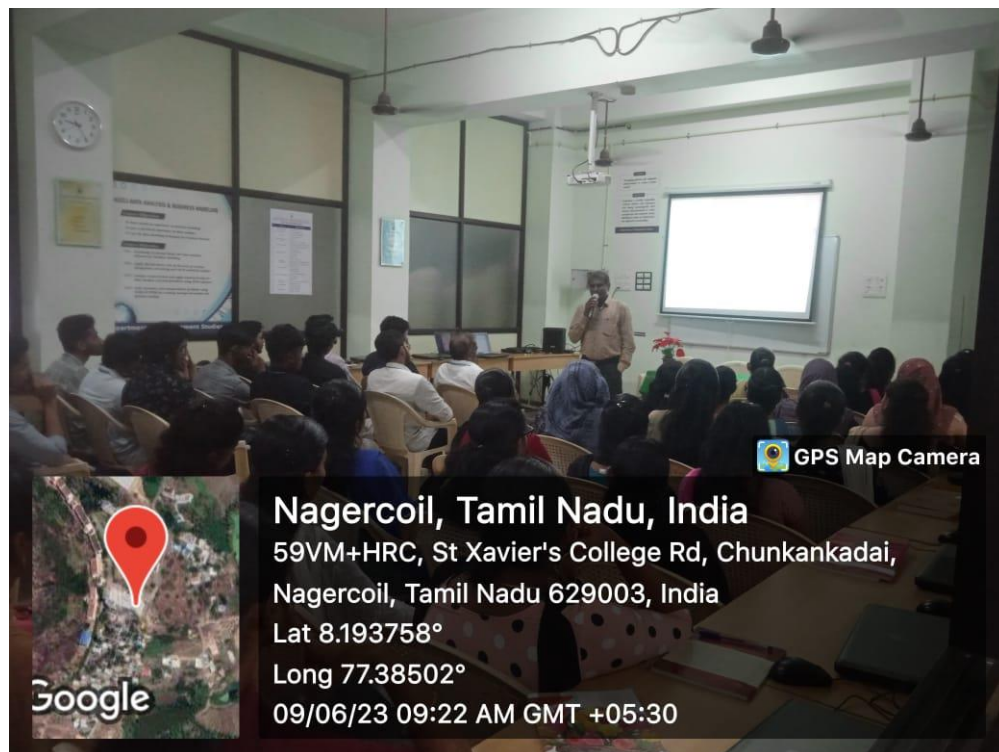
International Yoga Day 2023

International Yoga Day is observed every year on June 21 to raise awareness about this ancient practice and to celebrate the physical and spiritual prowess that yoga has brought to the world. Yoga is a practice which plays an important role in relaxing the mind and body and boosting people's immune system. Our Youth Red Cross celebrated "International Yoga Day" in our college conference hall on 21-6-2023.The function started at 7.30 am with a prayer. Our principal Dr.J.Maheswaran felicitated the gathering. 54 students participated in the function. Warm up exercises were taken and all the students practiced & performed sitting and standing asanas, importance of these were explained simultaneously. The celebration concluded with the speech of our YRC coordinator J.Leon bosco raj. The NSS units of St.Xavier's Catholic College of Engineering celebrated International Yoga Day on 21-06-2023 from 7:30 am to 8:30 am in the Conference hall. The event started around 7:30 am. Around 15 NSS volunteers attended this event. Our college NCC volunteers and YRC members joined in this event. The event was

guided by yoga professionals from our college. The professional teaches the uses of yoga and also how to maintain and improve physical and mental health. They taught different ASANAS like Padmasana, Vrksasana, Natarajasana, Bhujangasana, Hastauttanasana, Marichyasana, Chaturanga Dandasana, Svanasana, Virabhadrasana, etc. And the program was successfully ended by 8:15 am. Our NSS programme Officer Prof. L. G. X. Agnel Livingston gave a speech on how to overcome stress and ended his speech with a vote of thanks. After the event breakfast has provided for all the volunteers.

Workshop

The Department of Computer Applications organized a one-day workshop on "two-way authentication using ASP.NET" on June 9, 2023, at the MCA Lab. The main objective of the workshop is to make the students understand the basic features of ASP.NET and how to implement web applications using two-way authentication. The session starts at 9 a.m. with the presentation of the resource person, Dr. Y. Jacob Vetharaj, Associate Professor, Dept. of Computer Science & Head of the Research Centre, Nesamony Memorial Christian College, Marthandam. In the morning session, the resource person explained the basic components of ASP.NET and web APIs, which are used to implement the two-way authentication scheme for web applications. Hands-on training was conducted during the afternoon session. 56 students participated in the workshop. The workshop ended at 4.15 p.m., and feedback forms were collected from participants.

Kaloori kalatta

On 8 th June, 2023, Kaloori Kalata , a program was organized by the Radio Club of St. Xavier's Catholic College of Engineering, in collaboration with All India Radio Station, Konam, Nagercoil. Two radio jockeys from the station visited our college to host this live event. Dr. S. Absa and Dr. Amal Raj, coordinated the event with participation from over 50 students. The event was broadcast live throughout the Kanyakumari district at 11:00 am.. The hosts made the event interactive and enjoyable by involving students in various tasks, including brainstorming riddles, Tongue twisting, insightful poems, beautiful songs, and interesting technical facts. The event provided a platform for students to showcase their talents to the public, culminating in a motivating story aimed at inspiring youngsters. Overall, this event greatly benefited numerous students, allowing them to showcase their skills and acquire valuable learning experiences.

Mathematical Tricks using Calculator

The Math Club conducted a workshop on Mathematical Tricks using Calculator from 07/06/2023 to 9/06/2023 by the faculty of Mathematics, St. Xavier's Catholic College of Engineering. 480 students participated in the workshop. The main objective of this class was to develop student's Mathematical ability using calculator. This calculator class was conducted by Mathematics faculty members. They teach how to handle the calculator in easy and interesting way. It will be useful for the students to solve difficult mathematical problems in quick and easy manner. One class for each major is allotted for this demo class.

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 02-06- 2023. Mr.A William Benjamin, Inspector of police, Colachel Traffic Police Station has been consented as the resource person for the day. Ms. S P Kethzia, I Year CSE-B welcomed the gathering. Inspector of police, Mr. A.William Benjamin addressed our college students about the road safety rules. He said that every citizen of our country should follow the road safety rules, while driving a car seat belt should be worn and helmet while riding a two wheeler. Everyone should learn the road traffic and safety rules at a very early age to perform safer behaviours in the later life. 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. The event came to an end with vote of thanks by Ms. M Mona Salama, I Year CSE-B. The program was organized as part of the UGC activity- "Azadi Ka Amrut Mahotsav" a year- long celebration of the 75th year of Indian Independence. A total of 502 students attended the session.