

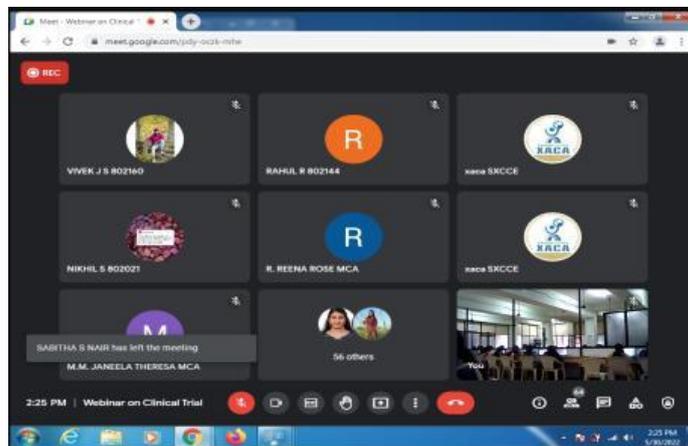
**ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING,
CHUNKANKADAI, NAGERCOIL – 629003**

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

Academic Year: 2021-2022

Webinar on Clinical Trial

The Xavier's Association of Computer Applications has organized a webinar on "Clinical Trial" on 30-05-2022 between 02:00 PM to 03:00 PM, through the Google meet platform. The lecture in this webinar was given by Mrs. Sabitha S Nair, Clinical data Programmer, IQVIA_Info park, Kochi. The Program was concluded with the discussion section and the feedback were collected from the students. Around 48 students participated in this webinar.



Project Expo 2K22

The "PROJECT EXPO 2k22" was organised in the campus of St. Xavier's Catholic College of Engineering on 28-05-2022 sponsored by IEEE MAS Photonics Society Chapter and IEEE MAS Education Society Chapter on the theme of "Leveraging Technology for a Better Tomorrow". The Chief Guest was Mr. P. R. Vishnu, IT Analyst at Tata Consultancy Services, Kochi. The applicants from engineering students across Tamil Nadu were accepted and selected teams were invited for the event. Total of 20 teams got short-listed and 12 teams from 5 reputed institutions across Tamil Nadu participated in the event to exhibit their work.



PHP Training

The computer society of India organized a training on “PHP” on 28/05/2022 between 10:00AM to 4:00 PM. The lecture in this training was given by Mr.K.Merrin, Full stack developer, Adithya Infosoft, Trivandrum, Kerala. He spoke all about a popular generalpurpose scripting language that is especially suited to web development. Fast, flexible and pragmatic. He focused, this training aimed at student and professionals who want to build a solid career in Front-end web development. 51 students partipated in the program.



Seminar on World of Technology

A seminar on “World of Technology” was held on 28th of May 2022 at St. Xavier's Catholic College of Engineering. It was organized by Association of Computer Engineers (ACE). The resource person for the seminar was Ms. Ashbi J Gini, Data Analyst, N1 solutions, LLC, Bangalore, who is an alumni of our college. The program started at 11:00 AM. The objective of the seminar is to create awareness about the various domains in IT industry. 88 students participated in the seminar. The resource person discussed various roles within the software industry, such as developer, tester, and Network engineer and so on. She concluded the session by giving some tips to how to crack the interview and the necessary skills required to crack the interview.



Guest Lecture on Leadership Quality & Teamwork

A guest lecture Program was organized by Xavier’s Management Students’ Association on 28/05/2022 for the I year MBA students. The resource person is Dr. A. Albert Raj, Professor and Dean of Academics, Sri Krishna College of Engineering, Coimbatore. He delivered this lecture covering leadership quality for management studies. The aim of this activity is to deliver knowledge about leadership qualities. 59 students participated in the program.



Soft Skills and Interview Skills Training

A placement training program was organized for the MCA students on 26-05-2022 and 27-05-2022. The resource person for the training program was Mr. Roshan Roy, TalenTus HR Solutions Pvt. Ltd, Cochin. 56 Students participated in the training program. This program includes group activities, presentation skills, mind tactics and time management, Art using natural colours, motivational speech, change presentation, ice breaking, and leadership qualities.



Industrial Visit to ISRO Mahendragiri

An industrial visit to ISRO Mahendragiri was arranged for II year CSE students on 23-05-2022 and 25-05-2022. The visit was very informative, as the students got a complete idea about the parts, working and launching of satellites. A total of 104 students visited ISRO along with 5 faculty members. Students got exposure about the activities carried out at IPRC, Mahendragiri which are: assembly, integration and testing of earth storable propellant engines, cryogenic engines and stages for launch vehicles; high altitude testing of upper stage engines and spacecraft thrusters as well as testing of its sub systems; production and supply of cryogenic propellants for Indian cryogenic rocket programme, etc.



Value Added Course on BIM using Autodesk Revit

The Software Training and Development Cell organised a value added training program for II and III year Civil Engineering students on ‘BIM using Autodesk Revit’ from 25 - 05 - 2022 to 04 – 06 – 2022. The resource person was Mr. Muhamed Sherif, ICT Academy Trainer. 85 students participated in the value added course.



Placement Training on Interview & Communication skills

The placement cell of SXCCE organized two days training program for the I year MBA students 24-5-2022 to 25-5-2022. The Resource person is Mr. Roshan Roy, TalenTus HR Solutions Pvt Ltd, Cochin. Dr.J.Jerlin Rajan,Assistant Professor welcomed the resource person and initiated the training. The purpose of the training is to train the student to get knowledge and skills regarding placement and placement offers. 63 students participated in the training program.



Motivational and Leadership Training

A placement training program was organized for the MBA students on 24-05-2022 and 25-05-2022. The resource person for the training program was Mr. Roshan Roy, TalenTus HR Solutions Pvt. Ltd, Cochin. 58 Students participated in the training program. This program includes group activities, presentation skills, life skills and time management, Art using natural colours, ball game, motivational speech, 7 self talk sentences, Drawing session, meditation session, newspaper presentation and leadership qualities.



Value added course on PLC and SCADA

A five-day value-added course on PLC&SCADA was conducted for the Final year ECE students from 23.05.2022 to 27.05.2022 to bridge the curriculum gap of the academic year 2020-2021. The total of 57 students attended the workshop. The experts from Prolific Technologies Pvt.Ltd, Chennai conducted the workshop in our campus. The workshop included Lectures, Practical sessions, Demonstrations and Hands on training on different topics mentioned in the detailed workshop syllabus. The topics such as Introduction on Industrial Automation, PLC Concepts, Applications of PLC, Gates, Interlocking Concepts, Timer addressing, SCADA Programming, Blinking and Sensor based Level control system, Program scripts, Traffic signal programming, Graph concepts and Conveyor Control system concept in SCADA were covered in the workshop.



Seminar on Effective utilization of water for sustainable growth

A seminar about 'Effective utilization of water for sustainable growth' was conducted to the 4th year students of Mechanical Engineering on 20-05-2022 by Er. R. Aspren, Alumni/SXCCE. He explained the Sustainable water management strategies with examples. 87 students have participated in this seminar. At the end of the program the students gained a better knowledge on how to use water effectively.



Seminar on How to improve communication skills

A seminar about 'How to improve Communication skills' was conducted to the 3rd year students of Mechanical Engineering on 20th May 2022 by Prof. Vidhya, AP/SXCCE. The way by which presentations must be given was explained. 91 students participated in this seminar. The dress code and the body language required for better communication during the presentation was explained. The easy to use vocabularies that add beauty to the communication were taught. The slang and the way of speaking that is required for better presentation were explained. The basic rule that must be followed during the presentation was also explained in the program. At the end of the program the students gained a better knowledge on how to communicate in a better way.



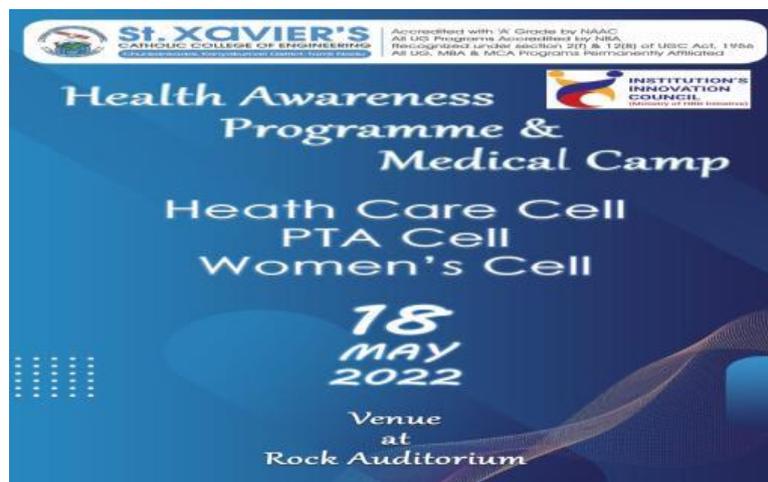
Seminar on Opportunities for Women in Computing

SXCCE ACM-W Student Chapter (190059) organized a seminar on the topic "Opportunities for women in computing" on 19th May 2022. The resource person was Ashbi J Gini, Senior Data Analyst, N1 solutions, Bangalore. 48 students participated in the seminar. The resource person shared about the basic job roles available in any IT companies, basic qualities required by women to have a successful career, difference between product based and service based companies, top women who were successful in IT companies, challenges faced by women in work environment and importance of having self-confidence to speak for yourself, having flexible mentality to adapt the work environment.



Health awareness program & medical camp

The Health awareness program along with a Medical camp was conducted on 18-05-2022 by a team of three doctors and eight supporting staff members. This program was organized by Parent Teacher Association, Health care cell and Women's cell, SXCCE. Around 200 students of BE ECE, CSE, Civil and IT attended the meeting along with the staff members. Dr. Mathan, MBBS, MD, FICM explained the First aid methods to be done during emergency situations. Dr. Narasimman, MBBS, MD(RD), FIVR explained about the symptoms and root cause of Stroke. Dr. Mathumitha, MBBS, MD, DNB gave awareness about the adolescence problems and the way to handle them effectively. Medical Camp was conducted for the students and staff members of SXCCE. Around 58 students and staff members utilized the camp and got benefited.



Value added Course on VLSI SoC design using Verilog HDL

A value added course “VLSI SoC design using Verilog HDL” was arranged for III ECE A and B from 11-5-2022 to 10-6-2022. It was conducted by Prabhuprakash J, Account Manager, Maven Silicon, Centre of Excellence in VLSI, Bangalore in online mode. Totally 30 hours are allotted for this course. 49 students completed the course successfully. The session was based on VLSI basics and system design using Verilog.



Training on Verbal ability, Quantitative aptitude

A 5 day placement training program was organized for the I year MCA students from 09-05-2022 to 13-05-2022. The resource person for the training program was Mr. M. Milton and Mr. R. Karunanithi, Innate Talent Training Solutions, Bangalore. 35 Students participated in the training program. This program helped the students to develop their technical and interview skills. The training starts with resume writing and mock interviews and explanation of idioms and error spotting. Also Quantitative Aptitude concepts were discussed and hence students got confidence in interview skills.



Workshop on VLSI programming

A one day workshop was organized for the PG students of department of Electronics and Communication Engineering on 20-04-2022. 8 students participated in the workshop. The resource person was Dr.T.Latha, Associate Professor & Dr.Y.R.Annie Bessant, Assistant Professor, Department of ECE, SXCCE. The workshop provides the students the basic concepts and the applications of VLSI programming.



Workshop on PYTHON Programming

The department of ECE organized a Workshop on “PYTHON Programming” for the PG students(CS,ME) of ECE Department on 12/04/2022. The resource persons for this workshop were Dr.D.Jeraldin Auxillia/ Professor ECE and Dr.C.Helen Sulochana/ Professor ECE, SXCCE. 9 students participated in the event. This workshop mainly introduces fundamental concepts of PYTHON as a programming tool and its further scope. This workshop was based upon hands-on approach. The topics covered are introduction to Python, various data types, conditional statements, and functions, Python Libraries, Data handling and Visualization techniques. The takeaways from this workshop added immense value to the knowledge base for each of the participants.



Seminar on Python API

The Association of Computer Engineers organized a seminar on Python Programming on 09.04.2022. The resource person was Mr.N.R.Raghav, Digital Marketing Manager, Vollmond Academy. 43 Students participated in the seminar. The intension of seminar was to aware students about basic information of python and how to use python for developing various applications. Following topics were covered under the seminar: Introduction to Python, Features of Python, How to Develop Web Application using Python, Web Framework.



Workshop on Matlab and its Applications

A workshop on “Matlab and its Application” was held on 09-04-2022 at St. Xavier's Catholic College of Engineering, GC lab. It was organized by the Association of Computer Engineers (ACE) and Computer Society of India (CSI). The resource person for the workshop was Dr.C.Seldev Christopher, Professor at St. Xavier’s Catholic College of Engineering. 75 students participated in the workshop. The objective of the workshop was to give some overall idea about Matlab and its Applications and also to provide some Hands-on training.



Hands on workshop on Hardware and Networking

The department of Information Technology along with BRIGITZ organized hands on workshop on Hardware and Networking on 09-04-2022. The resource persons were Mr. M. Antony Joans Kumar, System Administrator, Department of IT, Mr. M. John Roobert, Computer Operator, Department of CSE and Mr. R. Baiju, Skilled Assistant, Department of IT, SXCCE. 30 students participated in the workshop. This session created a basic understanding about the hardware components and practical training on hardware assembling was given to the participants. The participants were permitted to visit the server room and explanation regarding the various servers and their uses were given. They were also given training on creating adhoc network and troubleshooting.



Industrial Visit to Kayathar Substation

The Society of Electrical Engineers arranged an industrial visit for final Year EEE students to Kayathar Substation on 06-04-2022. The main objective of the visit was to gain knowledge on Wind Energy Conversion systems. The Engineer explained about Wind Energy Conversion system. The general layout of wind power plant was demonstrated initially and then different types of wind energy conversion systems were explained. The fixed and variable speed turbines, the horizontal and vertical axis wind turbines were explained clearly. The different types of generators employed in wind energy conversion system were demonstrated. The Engineer explained about the solar and wind hybrid renewable energy system. 41 students participated in the visit.



Orientation Programme on Soft Skills

SXCCE ACM Student Chapter (124771) organized an orientation programme on the topic 'Soft Skills' on 31-03-2022. The resource persons were Er.C.S.Jenil, Managing Director, LearnEasy.org and Er. J.M.Sobin, Founder & CEO, Rexhnar Creative solutions. About 65 students participated in the orientation programme. The resource person gave an introduction about soft skills, the necessity of soft skills and what are the important qualities that are helpful in jobs. There was an interactive session about Time Management skills and how it makes the worker more productive? Also the importance of business analyst, their role and skills that are required to satisfy the company and the customer were discussed.



Training on Web development

The Computer Society of India organized training on “Web Development” on 31-03-2022 between 10:00AM to 12:45 PM. The lecture in this Workshop was given by Mr.K.P.Chella Vignesh and Mr.D.Abijith Samuel, CSI member and supported by Ms.Jaccica R Sonata, CSI member, Ms.L.Jaspin Sudha, CSI member, Mr.K.P.Anandh , CSI member. About 39 students participated in this training. They spoke all about Business website and Digital marketing and gave hands on training on web development programs.



Workshop on React JS

The computer society of India organized a workshop on “React JS” on 30-03-2022 between 9:00AM to 4:00 PM. The lecture in this Workshop was given by Mr.Sobin J.M, CEO Rexcoders Academy and supported by Mr.Darwin J, CSI member. About 68 students participated in this training. He spoke all about AngularJS which lets you extend HTML vocabulary for your application. The resulting environment is extraordinarily expressive, readable, and quick to develop. He focused, this workshop is aimed at student and professionals who want to build a solid career in Front-end web development.



Energy Saving Awareness campaign at Melpuram

The student members of EnSAV club visited the Melpuram village on 26-03-2022 to give awareness to the village people. Around 20 student members have visited with 3 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 three batch. For the other batches, leaders are appointed. 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.



Awareness program on First Aid Basics

An awareness program on First Aid Basics was organised by the NSS on 26-03-2022. ANO Maj S Edwin Gladson along with cadets CSUO Sajith and CUO Chella Vignesh conducted an awareness program on First Aid to the NSS volunteers during their special camp at Melpuram on 26-3-2022. 86 students participated in the program. The importance of First Aid was explained to the volunteers. Different types of Carry were demonstrated to the students so that they can apply it when needed.



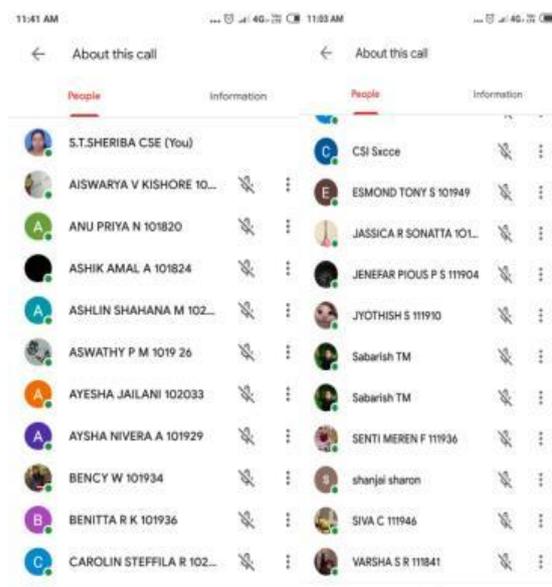
Webinar on Social Media Marketing Career

The computer society of India organized a webinar on “Social Media Marketing Career” on 23-03-2022 between 5:00 p.m. to 6:00 p.m., through the Google meet platform. The lecture in this webinar was given by Ms.P.J Archana, Digital Strategist, Learneasy.org. 20 Students participated in the webinar. She specifically advised on the execution of marketing campaigns. They are a mix of innovative, creative, and tech-savvy individuals who have the ability to identify trends before they peak, and use those insights to inform international marketing strategies and campaigns for the brands they champion. She focused; it is a job for those who enjoy fast-changing environments, thinking on their feet and, above all, a hunger for all things digital.



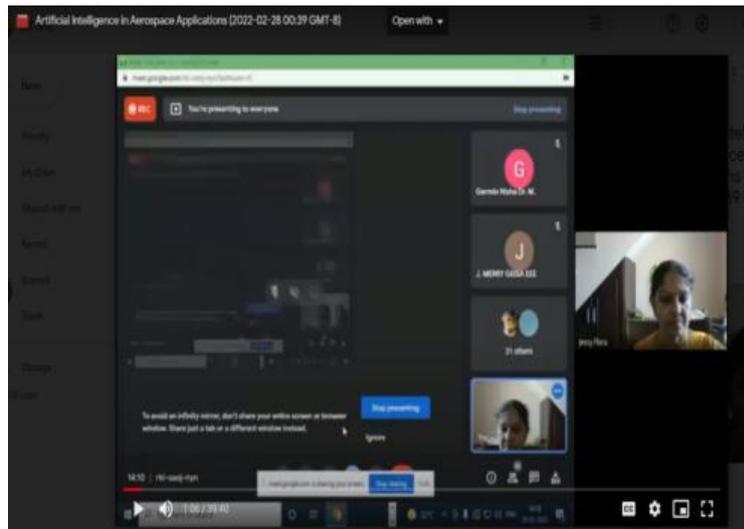
Webinar on Python Programming

The computer society of India organized a webinar on “python programming” on 5-03-2022 between 11:00AM to 12:00 PM, through the Google meet platform. The lecture in this webinar was given by Mr.Sabarish, Software Engineer, Chennai. He specifically focused important Python programming concepts such as Data Operations, File Operations, and OOPs concepts. About 29 students participated in the webinar.



Webinar on Artificial Intelligence in Aerospace Applications

A webinar on “Artificial Intelligence in Aerospace Applications” was organized by the Society of Electrical Engineers (SEE’21) through google meet on 28-02-2022. The resource person was Dr. J. Jessi Flora/ General Manager(R)/ IPRC /ISRO. About 48 students participated in this webinar. The main theme of this webinar is to address participants about the significance of AI in aerospace applications, as the aerospace industry is constantly looking for effective ways to speed up development processes in order to meet the growing demand as well as deliver high-quality components.



Workshop on Machine Learning using Python

A five day workshop on Machine Learning using Python was conducted for the second year ECE students from 23-02-2022 to 28-02-2022 to bridge the curriculum gap of the academic year 2020-2021. The experts from Chek. Intek (CIT) Academy, Atoor, Kanyakumari District, conducted the workshop in our campus. Around 68 students attended the workshop. This workshop introduced the fundamental concepts of machine learning. The workshop session comprised of series of lectures and practical exercises. The students gained knowledge on data types, operators, functions, looping conditions, control statements, list and sequences, Python basic programs, Implementation of real time concepts, machine learning concepts and regression.



Value added program on Database Programming with SQL

The software training and development cell conducted a value added program on Database Programming with SQL on 23-02-2022. The resource persons were T.S. Sheela Shiney, S.L. Soniya, and Dr. R. Jemila Rose, faculty, SXCCE. About 163 students participated in the program. This program enables the student to design Databases and programming with SQL.



Webinar on Research Opportunities-Innovation, Invention and Patent

The department of H&Sc has conducted a webinar on “Research Opportunities-Innovation, Invention & Patent” for first year ECE students on 16-02-2022 from 10.00am-11.00am. The webinar was conducted through virtual mode. The resource person Mr.H.Hareesh Krishnan, Research fellow, NIT, explained the concepts of innovation, invention and patent. 62 students attended the seminar. The google meet link <https://meet.google.com/xrw-gndp-hmx> was used for the webinar.



St. XAVIER'S
CATHOLIC COLLEGE OF ENGINEERING

One Day Webinar on

Research Opportunities - Innovation, Invention & Patent.

February 16th 2022
Time:10:00 AM-11:00 AM

Resource person
Hareesh Krishnan H
Prime Minister's Research Fellow
NIT, Trichy

Google Meet Meeting Link :<https://bit.ly/3uR8zmN>

<https://hareeshkrish.com/>

Poster Design Contest

A “Poster Design Contest” was conducted on 28-01-2022 via online mode by the Association of Computer Engineers (ACE). The contest was open for all the students of St. Xavier’s Catholic College of Engineering. 14 students participated in the contest. The themes of the contest were Fight against Covid, Corona Warriors and Survival to Revival. The Students were given three days to design and they were asked to submit the poster online. The students felt that it was a really good opportunity for them to enhance their skills. 14 Students participated in the event.



Industrial Visit to EDII

The Department of Management studies of St. Xavier’s Catholic College of Engineering have organized an Industrial Visit to EDII Marine Products Incubation Forum - Fisheries College and Research Institute, Tuticorin on 21-12-2021. About 42 students participated in the industrial visit. the welcome address was given by Dr.P.Ganesan, Assistant Professor and Head, DFPT, FCRI, Tuticorin. Followed by that he explained about the value added products and the growing opportunities in Fisheries and also the Avenues of Entrepreneurship in Marine Products. The next part is the technical session in which Ms.Ruthra, CEO,EDII-MPBIF,FCRI took the students to visit the various machine that were used in the operations field. Later, there was a lunch break and students got a relaxation. Next, Dr.R.Santhakumar, Professor and Head DFEE & S,FCRI, Tuticorin gave a felicitation on the traits of Entrepreneurship and the marketing perspective in Fisheries. It helps the students to develop their skills and gain knowledge about the various opportunities and marketing of fisheries.



Industrial Visit-Atos Syntel

The Association of Computer Engineers arranged an Industrial visit to Atos Syntel for the III year students of Department of Computer Science and Engineering on 18-12-2021. About 96 students visited the company. The HR Manager and System Admins accompany with the students and explained about their clients, branches around the world, platforms in which they are working, working schedule, on-going projects etc., that helps the students to know about its nature of working, way of handling projects and their working platforms.



SPSS Training

SPSS Program was conducted on 17th and 18th of December 2021. The Program was handled by Mr.S.Victor, Asst. Professor and Head Department of Management studies, Regional Campus, Anna University, Tirunelveli Region. About 54 students participated in He conducted a training of statistical Analysis and interpretation with the help of SPSS Package. First, he start with refreshing the concepts of Research Methodology by introducing about population, sample, parameter and statistics and how to categorize the data and about various sampling techniques and how to determine the sample size and explained about the procedure

for Testing of Hypothesis, concept of P-value, parametric and Non- parametric test and how to interpret the results. He handled the class both in Theoretical and practical way.



Health Awareness on cancer, COVID 19, other diseases, their cause and treatments

The Women's cell of St. Xavier's Catholic College of Engineering organized a health awareness program on cancer, COVID 19, other diseases, their cause and treatments on 14-12-2021. The resource person was Dr.Mohummed Nowfal Mahees. About 85 students attended the awareness program.



Seminar on GUI programming using Java

BRIGITZ, the Association of Department of Information and Technology, St. Xavier's Catholic College of Engineering, organized a seminar on GUI programming using Java on 13-12-2021 to enrich the knowledge of the students in GUI Programming. The resource person was Er. M Janeela Vincent (Alumnus), Teaching Fellow, MIT Campus, Anna University, Chennai. About 48 students participated in the seminar.

One day workshop on Machine Learning using Python

ELECTROS, the Association of Department of Electronics and Communication Engineering, St. Xavier's Catholic College of Engineering, organized a one-day workshop on 'Machine Learning using Python'. It was conducted on 13-12-2021 from 9.00am to 4.00pm for Final year ECE students. The objective of this seminar is to know about machine learning algorithms, their applications and to gain practical knowledge. The Resource person was Ms. Kayathri, Technical Trainer, Machine learning expert, Network Systems, Nagercoil. She was assisted by M.S. Ajeesh, Technical Trainer, Network Systems, Nagercoil. In the afternoon session, Python program for speech recognition and controlling all activities was explained and demo was given. Totally 34 students from final ECE attended the workshop.



Value added course on Production Management

The Department of Management studies of St. Xavier's Catholic College of Engineering has organized a value added course for 30 hours on Production Management for II year MBA students from 18-11-2021-20-11-2021. The resource person was K.A. Kannan, Mind Skill Trainer, ICTE Training Academy, Chennai. 53 students participated in the course.



Orientation Programme on Software in Civil

The departmental association REACH has organised a program for final year students of civil engineering on Interior Design on 10-12-2021. The Speaker of the program is Mr. Er. Vinod Jose Raj, Founder of Dream Technology, Nagercoil. He explained about what is interior design and the difference between the interior designer and decorator and also about the courses offered by their institution. He explained about the importance of interior designing now a day in the construction field. About 35 students attended the program.



Seminar on UIUX-User Interface and User Experience

BRIGITZ, the Association of Department of Information and Technology, St. Xavier's Catholic College of Engineering, organized a Seminar on UIUX-User Interface and User Experience on 07-12-2021 to enrich the knowledge of the students in UI. The resource person was Ms. V Amarthiya Jeffy of Final Year IT, SXCCE. About 22 students participated in the seminar.



Workshop on Introduction to Project Development

A workshop on introduction to project development was held on 07-12-2021 at St. Xavier's Catholic College of Engineering, Information Technology Laboratory (IT Lab) which was organised by the Association of Computer Engineers (ACE). The resource person for the program was Mr. Vincent Raja who is the Secretary of ACE, final year CSE department of the college. About 57 students participated in this workshop. The session includes the basics of project development in java and taught the students on how to create a frame, link different frames, change the layout, Data Base Connectivity and SQL etc. The program was attended by the second year Computer Science and Engineering students and it was a very informative and useful one.



Workshop on IoT Networking

A workshop on IoT Networking was held on 07-12-2021 at St. Xavier's Catholic College of Engineering, Innovative Computing Lab which was organised by the Association of Computer Engineers (ACE). The resource person for the program was Mr. Anslin raj, Infrastructure Engineer, Seedorsoft pvt.ltd. About 50 students participated in the workshop. Students had an exposure to various contents relating to IoT like IoT, sensors, actuators used in IoT applications, various protocols and security features of IoT. Also they had hands on sessions and troubleshooting of problems. The program was attended by the Third year Computer Science and Engineering students and it was a very informative and useful workshop.



Workshop on Introduction to AWS- Machine Learning

A workshop was organized by BRIGITZ, the Association of Department of Information and Technology, St. Xavier's Catholic College of Engineering, on Introduction to AWS- Machine Learning for the final year IT students on 10-12-2021. The resource person was Dr.J.Annrose, HOD/IT, SXCCE. 28 students participated in the workshop.



Seminar on Machine Learning

ELECTROS, the Association of Electronics and Communication Engineering Department of St. Xavier's Catholic College of Engineering, Nagercoil, Tamil Nadu organized a Seminar on 'Machine Learning' on 04-12-2021 from 10.15am to 12.15am for Final year ECE students. The objective of this seminar is to know about the basics and importance of Machine Learning. The Resource person was Ms.Kayathri, Technical Trainer, Machine learning expert, Network Systems, Nagercoil. She explained the basics and applications of machine

learning and motivated the students to do their project in this domain. Totally 29 students attended the seminar and they gained knowledge about Machine Learning which will be helpful for doing their project effectively.



Industrial Visit to NABARD - Centre of Excellence for Innovations, AC&RI Madurai

The Institution of Engineering and Technology (IET) organised an Industrial Visit to NABARD - Centre of Excellence for Innovations, AC&RI Madurai on 27-11-2021. About 50 students participated in this visit. This enhanced the interest of students Entrepreneurship and was able to know about lots in start-up strategy of business. They explained well about various applications of industrial statistics.



Seminar on Rain water harvesting, Town planning and Quality control

An informative seminar on Rain water harvesting, Town planning and quality control was organized by FACEAT & P students' chapter, Department of Civil Engineering accompanied with Civil Engineering Association of Kanyakumari District. 150 students participated in the seminar. The seminar was taken by Er. J. George Joseph. The students gained knowledge about rain water collection, rain water harvesting method, models and its importance. Then

the seminar on the topic town planning was given by Er. K. Ganesh Kumar. He explained the basic concept of town planning. Then the seminar on Quality assurance and control was given by Er. K. Esakkiappan.



Workshop on Introduction to Prototype Design

A workshop on “Introduction to prototype design” was held on 24-11-2021 at St. Xavier’s Catholic College of Engineering, IT Lab. It was organized by the Association of Computer Engineers (ACE) and BRIGITZ. The resource person for the workshop was Mr. Anto, Associate Consultant, Atos Syntel as well as alumnus of our college. About 85 students participated in the event. Mr. Anto started the workshop with the introduction about prototypes, UI/UX, figma and then the live practical session. The resource person gave a demo on how to create a login page prototype and then guided and clarified the student's doubts. It was an interactive session between students and resource person.



Workshop on UI Design

A workshop on “UI Design” was organized by BRIGTZ, Association of Department of Information Technology for the III and IV year students on 24-11-2021. The resource person was Er. P Anto (Alumnus), Associate Consultant, Atos Syntel. About 53 students participated in the workshop.



Coding Contest

A “Coding Contest” was conducted on 20th November 2021 at the General Computing Lab of St. Xavier’s Catholic College of Engineering. It was organized by the Association of Computer Engineers (ACE). The contest started at 9.30 AM. There were 45 students participated in the contest. The second and third year students were the ones participated in the contest. Different questions were given to each year students based on their level of expertise. The participants were given the option to choose any programming language and IDE of their choice. The questions were designed in such a way to challenge the students, thereby pushing them to promote their problem solving and analytical thinking skills



Workshop on eSim

The Society of Electrical Engineers (SEE) organised a seminar on ‘Converting Switching Topologies’ for the final year EEE students on 20-11-2021. The resource person was Prof. Dr. Jain B Marshal, AP/EEE, Mr. V. Jesus Bobin AP/EEE, Mr. J. Leon Bosco Raj AP/EEE, St. Xavier’s Catholic College of Engineering. 24 students participated in this workshop.



Workshop on Getting started with Arduino

The Society of Electrical Engineers association has organised a workshop on ‘Getting started with Arduino’ on 20-11-2021 as a part of association activities (SEE’ 21). About 19 students from Third year EEE attended the workshop. The resource person was Er. Benny Jackson, IT Administrator, ASIR Technologies. The main theme of this workshop is to provide an opportunity for participants to enrich their knowledge and skill in Aurdino, thereby developing various solutions for engineering problems in the society. The necessary tasks such as developing program in a computing language to perform a specific task, embedding the program in Aurdino controller and controlling a specific hardware setup using Aurdino controller was explained.



Workshop on Auto Desk Fusion 360

The software training and Development cell, SXCCE has organized a workshop on Autodesk Fusion 360 on 18-11-2021. The Resource person was Mr. Divya Prasanth, Trainer, ICT Academy. The aim of the workshop is to prepare the students to meet Design Challenges in Auto Desk Fusion 360. About 55 students participated in the workshop.



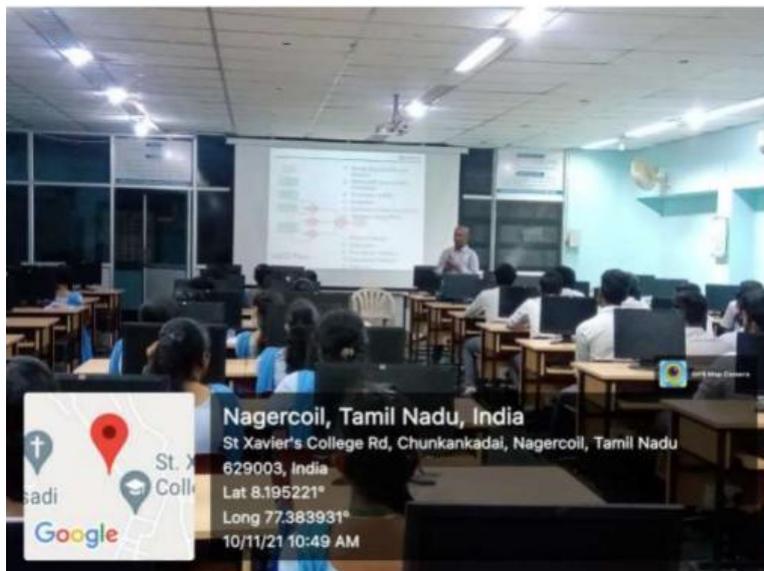
Orientation Program on Revit Architecture

On 18-11-2021, an orientation programme on the software 'Autodesk Revit' was conducted by the REACH association and the ICT Academy. In this Program Mr. Prasanth, Trainer, ICT Acaemy, gave ideas about the Revit software. The aim of the program is to enhance the knowledge of students in software mainly used for 3D Modelling or BIM (Building Information modelling). Also the use of this software for Rebar detailing and cost reduction in estimation of the project was also explained. About 40 students participated in this program.



Seminar on QoS Security and potential of Quantum Computers

A seminar on “QoS Security and Potential of Qualcomm Computers” was held on 10-11-2021 at St. Xavier’s Catholic College of Engineering. It was organized by the Association of Computer Engineers (ACE). The resource person for the seminar was Mr. F R Jeevan, a Senior Lead Engineer in Qualcomm as well as a former student of the college. A well-researched presentation on IC chip manufacturing process, ASIC Flow and the internal architecture of IC was given. After that Mr. Jeevan spoke about his role in the company and how he got there. Later he provided necessary career advice and guidelines to prepare for software interviews. About 75 students participated in this seminar.



Awareness program on Adolescent health

The Health Care cell, SXCCE arranged an awareness program from 08-11-2021 to 19-11-2021. The resource person was Mrs. Nesa Hilda, Nurse, SXCCE. She conducted the awareness program based on Adolescent Health for the first year students. The program was held during the Induction program. Around 460 students participated in this program.



Human Values Based Induction Program

The department of H&Sc has conducted a two week Human Values Based Student Induction Programme for all the first year students from 8-11-2021 to 19-11-2021. Nearly 468 students participated in the program. Within these allotted days 54 sessions were conducted for the students. With 5 sessions each for English, Mathematics, Computer programming, Physics, Chemistry, 3 sessions for physics & chemistry laboratory and 2 sessions for computer laboratory. Campus visit was arranged to get an idea about the college campus. In addition to the classes we have also conducted sessions on Human values and Leadership by Fr. Southern Star and Fr.Vijayan Rajan Babu director of counselling Ministry, Diocese of Kottar respectively. Personality development sessions were conducted by Fr.J.Anto Halwin,Pariesh Priest,Padar Nilam. Virtues of life session were conducted by Dr.V.Christus Jeyasingh, Dean, Students Affairs. Youth Awareness Program was conducted by Sr.Efamia Lucy Joice and team, Psycho Spiritual Counsellor.



Workshop on Angular training

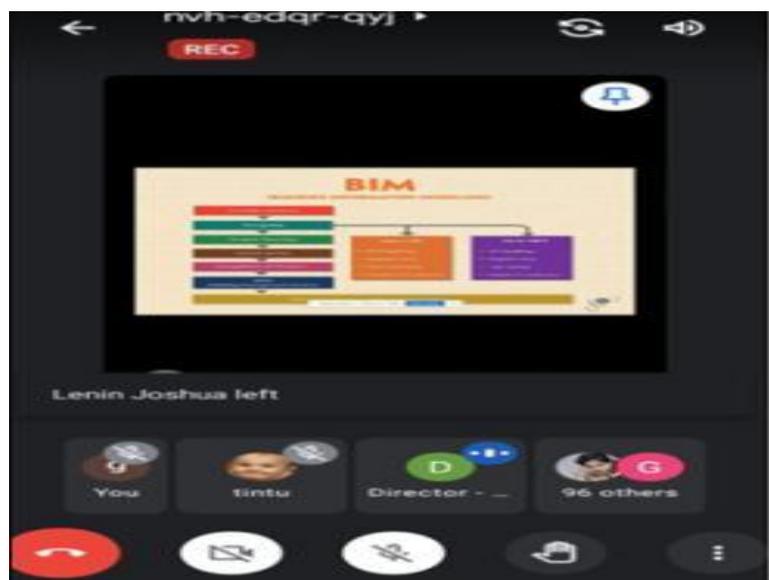
The Computer Society of India, organized a workshop on Angular Training on 06-11-2021. It is a TypeScript-based open-source front-end web application framework. The resource persons were Resource person were Mr. Sobin J M, Founder & CEO at Rexknar Creative

Solutions and Mr. Benitus, Junior Web Developer. About 21 students participated in this workshop. Modules include how to set up HTML,CSS, JAVASCRIPT, TYPESCRIPT and ANGULAR. Resource persons gave a more detailed description of web applications depending on model view controller architecture.



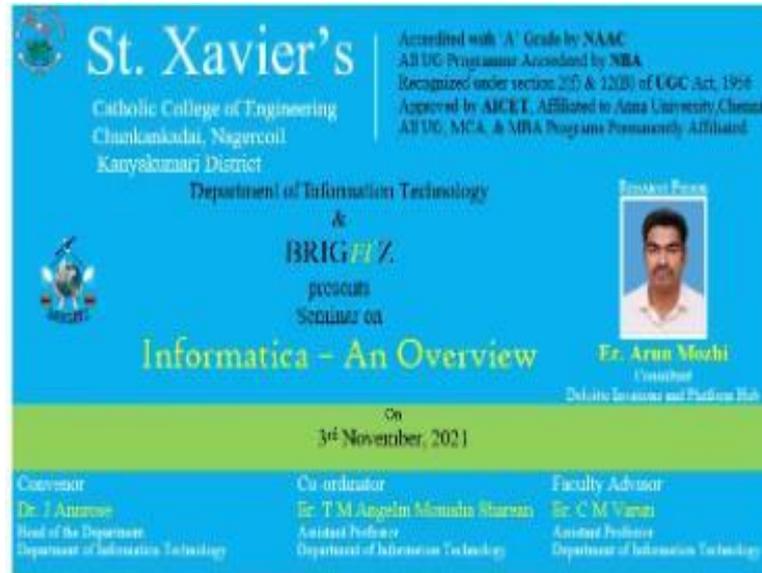
Webinar on BIM for an Electrical Engineer

The department of Electrical and Electronics Engineering organised a webinar on “BIM for an Electrical Engineer” on 06-11-2021 as a part of the association activities (SEE’21). Around 88 students attended the program through Google meet. The resource person was Mr. Mohammed Sherfuddin/ Chairman, Ms. Tintu Joy/ Design Engineer, Ms. Siddiqa/ HR, Unique groups. 88 students participated in the webinar. The main theme of this webinar is to bring awareness about Building Information Modeling (BIM) which is a digital representation of physical and functional characteristics of a facility. The webinar also focussed on sophisticated tools for electrical trade design and estimation.



Seminar on Informatica - An Overview

The Association of Department of Information Technology BRIGITZ, organised a seminar on 'Seminar on Informatica - An Overview' on 03-11-2021. The resource person was Er. Arun Mozhi, Consultant, Deloitte Invations and Platforms Hub. About 55 students from second, third and final year participated in this seminar. The aim of this seminar is to introduce the usage of informatica to students.



Technical talk on Artificial Intelligence

The SXCCE ACM Student Chapter conducted a technical session on Artificial Intelligence on 28-10-2021. The technical talk was given by Mr. Anto Rohith B (III ECE A) on the topic "AI for Speech Recognition". The talk explains about the Speech recognition. Around 23 students participated in this session.



Seminar on Redhat & Devops to Shape your career

The seminar on ‘Redhat & Devops to shape your career’ presented by the Association of Computer Engineers of St. Xavier’s Catholic College of Engineering was conducted on 27-10-2021. The objective of the session was to enlighten the participants about Red Hat and Devops and the opportunities they provide in the IT Industry. The Resource person was Mr.Gomathi Sundaram (Goms) - Managing Director of Cuben Square Technology Solutions, Chennai. The session included a talk about the training of in-demand IT niche skills to countless professionals provided by the company. About 137 students participated in the seminar.



Orientation Program on Outcome Based Projects

The Association of Department of Information Technology BRIGITZ, organised an Orientation Program on Outcome Based Projects on 26-10-2021. The resource person was Dr. J Jerlin Regin, Dr. C Helen Sulochana, Dr. M Jermin Nisha, Faculty, SXCCE. About 22 students from final year students participated in this seminar. The aim of this seminar is to to motivate the students towards developing outcome based projects.



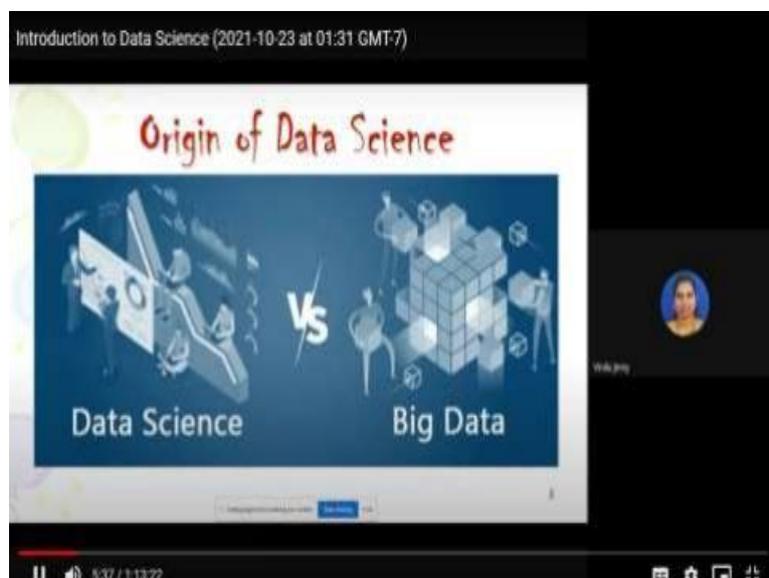
Motivation program on topic Design Thinking

Electros, the association of ECE organized a motivational program titled ‘Design Thinking’ on 26-10-2021 for final year ECE students. The resource person was Er. N. Rahul, Innovation Ambassador of IIC of Ministry of Education’s Innovation cell. 58 students actively participated in the program. The objective of the program is to provide the direction for the students to reach their goals no matter how big or small they are, the way to measure their progress and the best way to plan for the future.



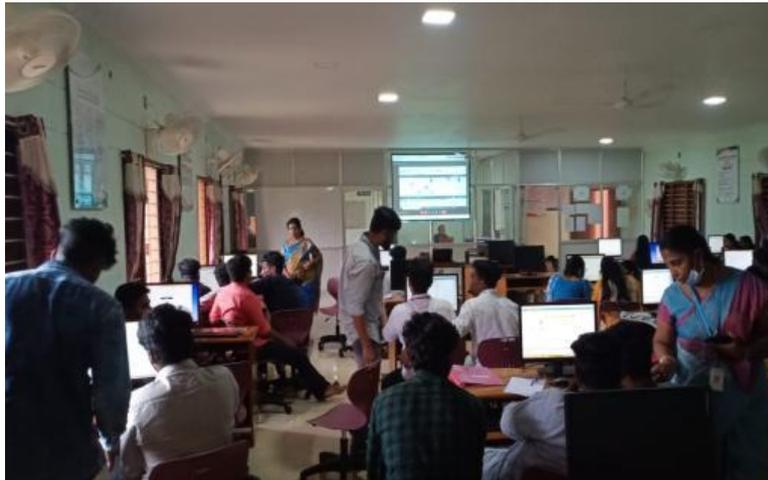
Webinar on Introduction to Data Science

The Association of Computer Engineers, SXCCE, organised a webinar on the theme “Introduction to Data Science” on 23-10-2021 with the objective of making the students aware about Data Science and the future of it in the computer field. The resource person for the webinar was Dr. S. Vinila Jinny, M.E., Ph.D., Associate Professor, Computer Science and Engineering Department, Noorul Islam Centre for Higher Education. About 50 students participated in the seminar. Dr. Vinila presented the brief history of Data Science and the importance of it in today’s cyber world. Further, how the data is collected, stored and how it can be processed for the benefit of educational and commercial purpose was explained.



Hands-on training on Cyber Security

The SXCCE ACM student chapter-124771 organized a hands-on training on 22-10-2021 titled “Cyber Security”. Mr. M. Satheesh Kumar, Assistant Professor, ECE Department, National Engineering College, Kovilpatti was the resource person for the day. 40 students actively participated in the program. Challenges and trends in cyber security, hackers and malwares threats, verification and demonstration for secure mail, Social Engineering attacks were discussed. Also a hands-on session on password hacking using Wireshark was conducted. The Phishing-Live Hacking demonstration was done using Kali Linux software and finally opens source defense mechanisms was presented.



Workshop on PCB design

The department of Electrical and Electronics Engineering organised a workshop on “PCB design” on 21-10-2021 for the IV year EEE students as a part of the Society of Electrical Engineers association activities (SEE’21). The resource persons were Dr. V. Suresh, Professor/ECE, Mar Ephraem College of Engineering and Technology. & Dr. S. V. Kayalvizhi, AP/ EEE, St. Xavier’s Catholic College of Engineering. Around 42 students participated in this program. Using layout software, the PCB design process was explained hands on in simulation laboratory and further the component placements and routing to define electrical connectivity on a manufactured circuit board were explained practically in project laboratory.



Student Induction Programme

The department of H&Sc has conducted a three week Online Student Induction Programme on Outcome Based Education for the management students from 27-09-2021 to 13-10-2021 through online mode. Mr.M.Prabhakaran, Director, Innate Talent Pvt Ltd chennai also gave a motivational talk on personality development on the first day. 33 sessions were conducted for the students. 4 sessions were allotted for English, 5 sessions each for Mathematics, Computer Programming, Physics and Chemistry. 6 motivational sessions were also arranged and was engaged by the Deans and the placement officer. An overview about Outcome Based Education was given by IQAC Coordinator Dr.A.Milton. 302 students attended the Student Induction Programme. The Google meet link is given below:

Introduction and motivation - <https://meet.google.com/ioh-jznk-ywd>

Section A (CSE A) - <https://meet.google.com/qvx-nfya-pfu>

Section B (CSE B) - <https://meet.google.com/hje-seja-wym>

Section C (ECE A&B) - <https://meet.google.com/zpx-tjtz-wbk>

Section D (MECH & CIVIL) - <https://meet.google.com/uez-kzos-hta>

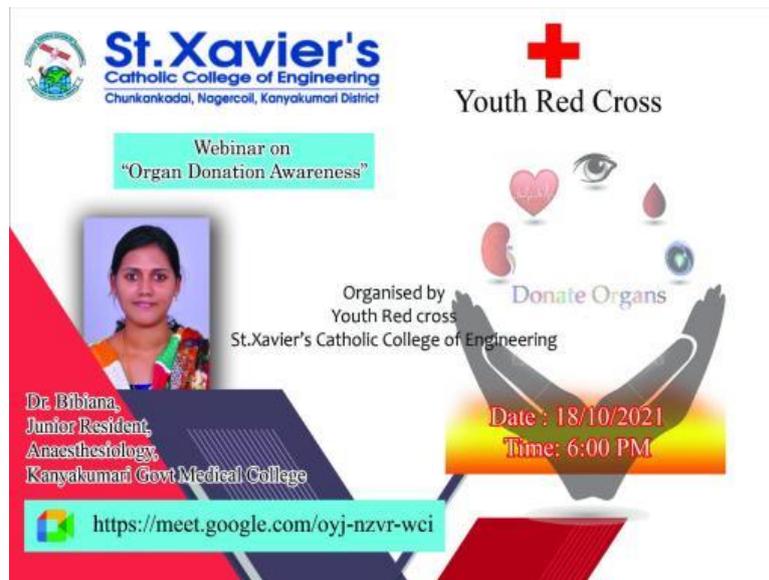
Section E (IT & EEE) - <https://meet.google.com/xui-otwx-esh>



Organ donation Awareness

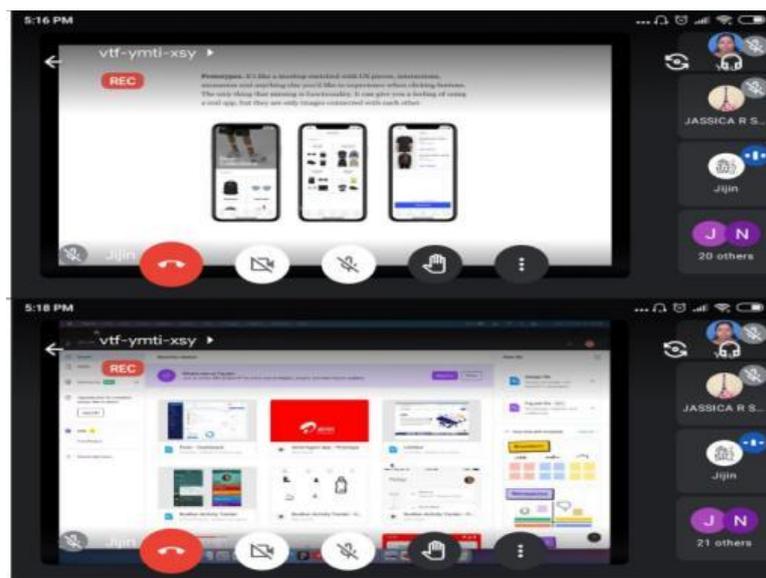
In order to create awareness among the students regarding organ donation, a half day virtual webinar on "Organ donation awareness" was conducted by Youth Red Cross, SXCCE on 18-10-2021. Dr. Bibiana, Junior Resident, Anaesthesiology, Kanyakumari Government Medical College Hospital, Asaripallam has been consented as the resource person for the day. During her presentation she emphasized the need for organ donation and current scenario in the country related to organ failure and its shortage. She invited student volunteers to donate their organs through government organizations now that could benefit others after their death. She also highlighted that, even after our death one could help the society by organ donation.

48 participants have participated in this event and have gained the overall background of organ donation.



Seminar on beginning with UI/UX design

The Computer Society of India organised a Power Seminar on 'Beginning with UI/UX design' on 17-10-2021. The resource person was Mr. Jijin Jose, UX Analyst at Kutung Design labs, Chennai. He started the webinar by explaining his journey in the world of UI/UX Design and his experience. He then explained the design-centric approach to user interface and user experience design. He explained on Design of a user interface and experience, designed for mobile devices, desktop screens. About 20 students participated in this seminar.



Technical talk on Industrial Revolution 4.0

The SXCCE ACM Student Chapter (124771) conducted a Technical talk on Industrial Revolution 4.0 on 13-10-2021. The talk was given by Ms. G Steni from final year ECE B on Industrial revolution in modern history, the process of changing from the Agrarian handicraft economy to one dominated by industry and machine manufacturing. It involves new sources of energy and power. Then the fifth industrial revolution which is expected to happen in the future is also discussed. About 26 students participated in this program.



Seminar on How to Think Project Idea as a startup

The Association of Computer Engineers organised a seminar on ‘How To Think Project Idea Like A Startup’ on 13-10-2021. The Resource person was Mr. Arun Rajeev Sankaran, CEO, FinOS Technologies. Around 88 students participated in the seminar. The Speaker gave the at most knowledge and a very detailed explanation about startup. He shared his 10 years of experience in his career journey. He gave an idea that Tech Company can have exponential growth. He made the session very interactive.



Seminar on Importance of Python Programming

The Association of Computer Engineers organised a Seminar on Importance of Python Programming on 12-10- 2021. The Resource Person was Mr.Anoop Nair, Branch Manager, Networkz Systems, Nagercoil. Around 90 students participated in this seminar. The purpose of the programme was to make the students understand the need of Python Programming and to show the importance of it at present. After that the session was led by their Python Tutor, and she started with speaking about the difference between Coding and Programming. Then the history of Python was explained very thoroughly and uses of Python Programming in the fields of App Development and Web Development were shown with the help of a PPT.



Workshop on E-Vehicle Design

The Association of department of Mechanical Engineering, 'MEGX' organised a workshop on 'E-Vehicle Design' for the final year students on 12-10-2021. The resource person was Er. M. Vignesh, Assistant Manager, CADD Centre, Nagercoil. About 93 students participated in it. The students were taught about the 3D designing software available and the importance of them was revealed. The tricks in designing were also taught to the students. The application of this software in industries was explained.



Orientation Programme on softwares in Civil Engineering

On 12.10.2021, on behalf of REACH Association, Department of Civil Engineering, an orientation programme was conducted for the final year students, on the software 'Tekla Structures'. 37 students attended the orientation programme and are benefitted. The orientation programme was conducted by CAD DESK. Mr. Selvaraj, Trainer, CAD DESK explained about the basics of Tekla Structures, types of design. He also gave us a brief idea of the future technology development in Civil Engineering. Also he explained about the employability skills that a student should pursue during the academics and also about the expectation of the companies who hire the students and gave motivation to achieve great success in the students' career.



Technical Awareness on recent trends in Electric Vehicle

The Society of Automative Engineers (SXCCE SAE Collegiate Club) organised a Technical Awareness program for Electric Vehicle on 12-10-2021. The resource person was Mr. Vignesh, Design Engineer, CADDESK, Nagercoil . Around 50 students participated in this program. He explained the advantages of using Electric vehicles (EVs) for achieving a sustainable transport sector in the future, due to their very low to zero-carbon emissions, low noise, and high efficiency.



Guest Lecture on Career Development & Internship for Credit

A Guest Lecture program was organized by Xavier's Management students' association (XMA), Department of Management studies, SXCCE on 11-10-2021 on the topic Career Development & Internship for Credit, for the II year MBA students in the MBA class room. The Resource Person was Mr. Ashwin Ramnath, Managing Director of Vajra Man Power Consultancy, Nagercoil. He encouraged students to ask their doubts on business and internship opportunities since it was career development Session. He explained on service and product based companies and the importance of internship he also motivated the students to join and begin their career in LinkedIn platform. He guided the students in preparing the latest resume pattern Around 54 students participated in this program.



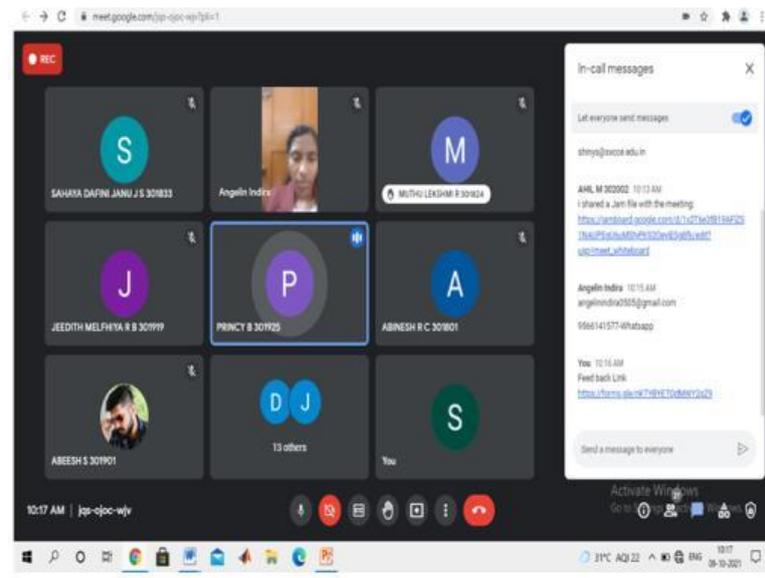
Technical & Interview Skills Training

The placement cell, SXCCE arranged Technical & Interview Skills Training for 5 days from 11-10-2021 to 15-10-2021 for the final year B.E./B.Tech. The trainers from Innate Talent, Chennai, handled the session. The aim of this session is to provide the students with the multitude of job opportunities available and to motivate them to acquire necessary skills (both technical and soft skills) to get a head start in their career. Around 58 students participated in the training program.



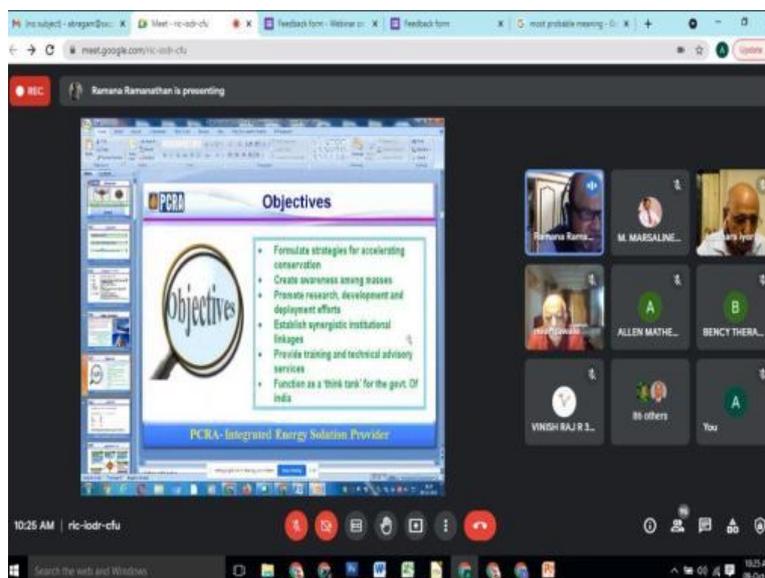
Webinar on Entrepreneurship, Growth and Future

The Society of Electrical Engineers arranged a webinar on “Entrepreneurship, Growth and Future” on 09-10-2021 through Google meet. The resource person was Mrs. Angelin Indira Jeevamony, Founder and CEO, Ed-Zoe Report. Around 36 students participated in the webinar. The main theme of this webinar is to bring a very positive effect on student's mind about entrepreneurship. The necessary task that needed to be done assure success was explained. This led a path to focus in their academic accomplishments, to become a successful entrepreneur.



Webinar on Strategies for Energy Management in Buildings

The Ensav & Energy Swaraj club, SXCCCE organized a webinar on Strategies for Energy Management in Buildings on 09-10-2021. The resource person was Harihara Iyer and Dr. R K Ramana, Empanelled Faculty from PCRA. Around 91 students participated in this webinar. The resource person explained the energy issues in India and the ways to implement energy management techniques in buildings.



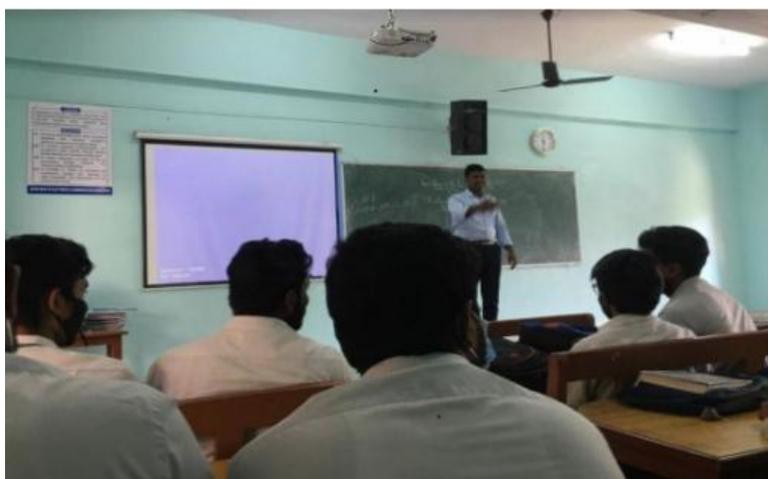
Workshop on Solid Works Advance

The departmental Association of Mechanical Engineering 'MEGX' arranged a workshop on Solid Works Advance for III year mechanical engineering students on 05.10.2021. The resource person was Er. M. Vinish, CAD Engineer, CAD Desk. The students learnt many things about designing mechanical components using solid works. He explained to design both 2D and 3D diagrams. We also practiced many diagrams which made us to think in a different way to design every diagram. 91 students attended the workshop and learnt to design things easily which made the program a successful one.



Seminar on Project Guidance

ELECTROS, the Association of Electronics and Communication Engineering Department of St. Xavier's Catholic College of Engineering, Nagercoil, Tamil Nadu organized a Seminar on "Project Guidance". It was conducted on 05-10-2021 from 10.15am to 12.15am for Final year ECE students. The objective of this seminar is to know about project work. The Resource person was Er.R.Abhishek, our Alumnus, CEO Founder, Chek In Tek Hardware Academy, Attoor. He shared his experience and motivated the students to do their project effectively. Around 48 students attended the seminar.



Cutting Career Egde Programme

The departmental Association of Mechanical Engineering 'MEGX' arranged a Cutting Career Egde Programme to the final year Mechanical Engineering students on 04-10-2021. The resource person was Mr. Mario Pradeep Joy, Professor, Presidency University, Bangalore. He explained about the importance of online career test to understand the right industry or read about various career options to get guidance on what to study. The program brought a good awareness among the students and an in-depth knowledge about Career Guidance. About 90 students participated in this program.



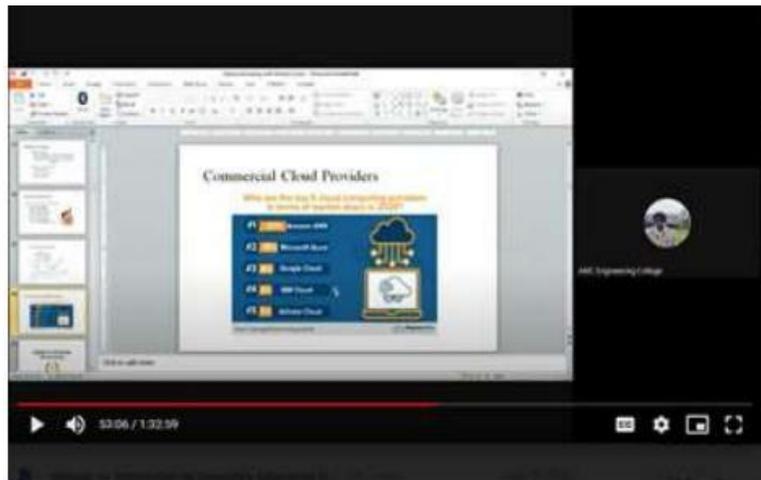
Seminar on 3D Printing - An Industrial Revolution

A Seminar on '3D Printing- An Industrial Revolution' was given to third year mechanical engineering students by Er. S. Vimal Kumar, Creative Design Engineer, Asva3D World Company on 30-09-2021. About 92 students participated in it. The seminar includes mainly the general principles, processes and applications. He also explained the seven additive manufacturing processes in detail. The students were able to gain a lot of knowledge about the 3D printing at the end of the seminar.



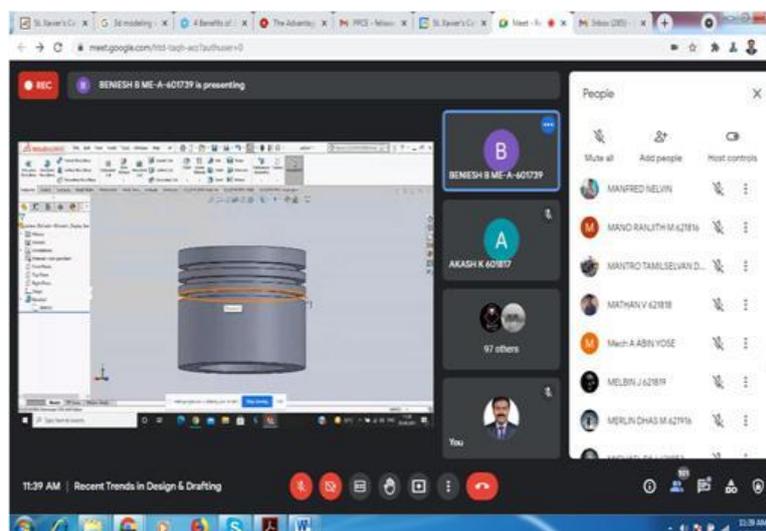
Webinar on Cloud Computing with Alibaba Cloud

The Association of Computer Engineers conducted a webinar on 'Cloud Computing with Alibaba Cloud' on 30-09-2021. The resource person was Dr. N. Amuthan Professor, Department of Mechatronics Engineering, AMC Engineering College, Bangalore. About 96 students participated in this webinar. Dr. N. Amuthan started his session by explaining his association with Alibaba cloud. He explained different cloud infrastructures and explained about cloud services managed by various providers, and the services provided by Alibaba cloud. Finally, he discussed about the career opportunities with cloud computing.



Webinar on 3D Modeling and Engine Design

The departmental Association of Mechanical Engineering 'MEGX' arranged a webinar on 3D Modelling and Engine Design for final year Mechanical Engineering students on 29-09-2021. The resource person was Er. Beniesh B, Alumni. About 93 students participated in this webinar. He emphasizes correct modelling, topology and different way of modelling rigid and organic models. . He addressed the methods, techniques and resources used to develop a 3D modelling engine to represent risk analysis simulation for advanced small modular reactor structures and components. After completion of the webinar, students acquire enough skills and knowledge for studying the basics of animation of rigid bodies.



Webinar on Web application using Angular

The Computer Society Of India organised a webinar on Web application using Angular on 24-09-2021. The Resource Person was Mr. Sobin J M, Founder & CEO, Rexknar Creative Solutions, Kulithurai. About 61 students participated in the webinar. The workshop is on web application .Modules includes how to setup and install nodejs 12.14.1. Resource person gave more detailed description about web application based on model view controller architecture. Along with this Mr.sobin and 3 more resource person guided to create simple informative website.



Aptitude, Verbal, Technical Skills Training

The placement cell, SXCCE arranged Technical & Interview Skills Training for eight days from 22-09-2021 to 30-09-2021 for the final year B.E./B.Tech and MCA students. The trainers from Innate Talent, Chennai, handled the session. The session includes Number System, Ratio & Proportion and Partnership and Blood Relation. Around 153 students participated in the training program. All the topics were taught from the very basics with proper explanations and all shortcut formulae. More number of example problems was solved on each topic and the sessions were highly interactive.



Webinar on Leadership through professional development

ELECTROS, the Association of Electronics and Communication Engineering, St. Xavier's Catholic College of Engineering, Nagercoil, organized a Webinar on "Leadership through Professional Development" on 15-09-2021. The objective of this webinar is to create the Engineering leaders and Innovators of tomorrow. The Resource person was Ms. Ankayarkanni Rajendran, our Alumna & IEEE Member working as Software Engineer in Formcept Technologies & Solutions Pvt. Ltd, Bangalore. 24 students from 3rd year ECE participated in this webinar.



Leadership Through Professional Development
By Ankayarkanni R
Software Engineer, FORMCEPT
IEEE

St. XAVIER'S
CATHOLIC COLLEGE OF ENGINEERING
Accredited with 'A' Grade by NAAC
All UG Programs EEE, ECE & MECH (2018 - 2019 to 2021-2022)
CE, CSE & IT (2021 - 2022 to 2023 - 2024) Accredited by NBA (Tier II)
Recognized under section 201 & 12(B) of UGC Act 1956 Approved by AICTE,
Affiliated to Anna University, Chennai
All UG, MBA & MCA Programs Permanently Affiliated

ELECTROS
Department of
Electronics & Communication Engineering
Organizes
Webinar On
Leadership through Professional
Development

Ankayarkanni Rajendran,
Software Engineer,
FORMCEPT,
Bangalore.

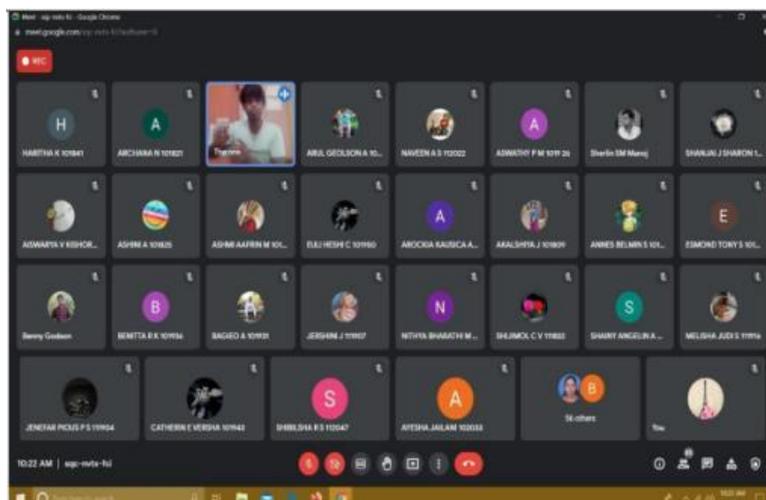
TIME 09:00 - 10:00 AM
Google meet link
<https://meet.google.com/arm-wlvs-rdf>
E - CERTIFICATE WILL BE GIVEN TO PARTICIPANTS

Convener :
Dr. M. Mary Helga Daisy
HOD/ECE

Co-ordinator :
Mrs. V. Femila Savio
Faculty Advisor/ELECTROS

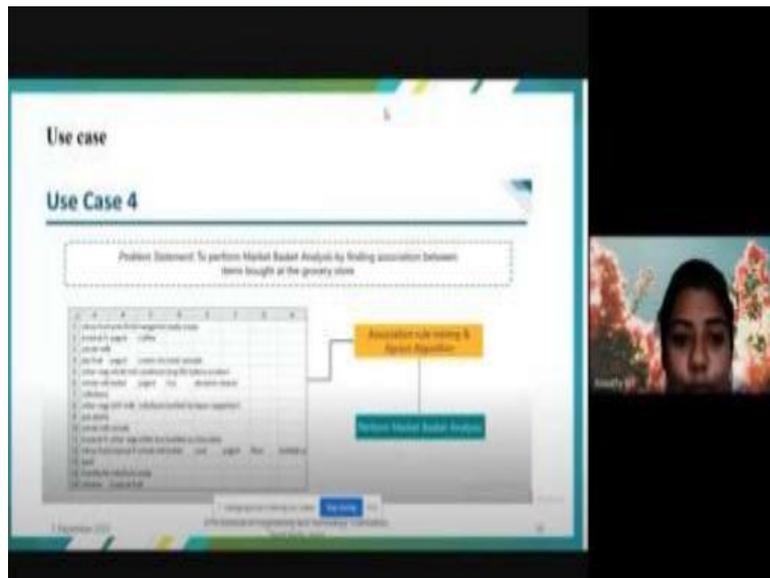
Seminar on Professional Development

The Computer Society of India organised a Seminar on Professional Development on 11-09-2021. The Resource person was Mr. S. V. Siva Ram, Specialist Programmer of Infosys, Trivandrum, Kerala. About 82 students participated in the seminar. The speaker gave an idea of a vision for future. He said that Attitude and Algorithms are important to get a job. He insisted on a clear focus on knowledge of contents like data structures and data networks for our future career, as it is essential in the IT field. Overall the session was very useful. Mr. Sivaram cleared all doubts and made clear our vision.



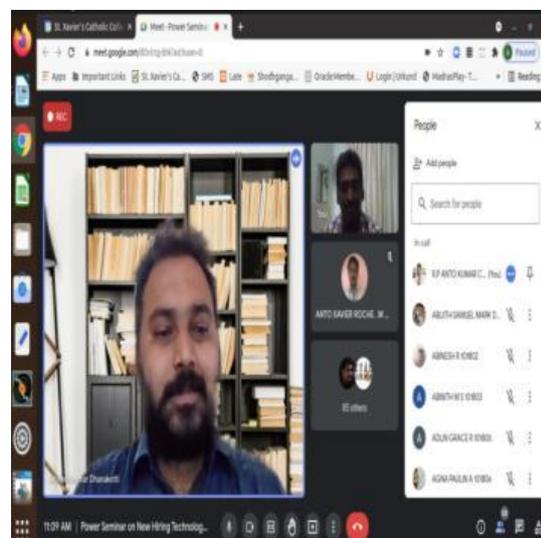
Webinar on ‘A road map to Machine Learning Algorithms’

The Association of Computer Engineers organised a Webinar on A road map to Machine Learning Algorithms Resource 07-09-2021. The resource Person was Ms. R. H. Aswathy, AP/CSE, KPR Institute of Engineering and Technology, Coimbatore. About 56 students participated in the webinar. The webinar focused on Data science in industries, the Importance of machine learning and deep learning, the difference between artificial intelligence/ machine learning/ deep learning, etc. She further spoke about the applications of Data Science and Machine learning in the industries such as financial services, transportation, telecommunication, etc.



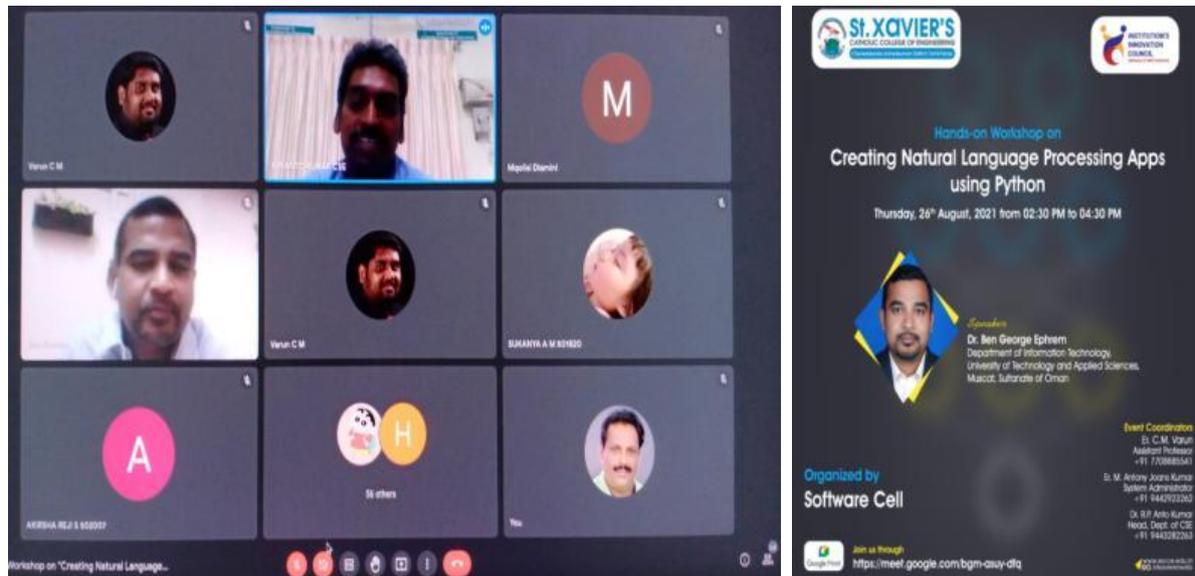
Seminar on New Hiring Technologies

The software training and Development Cell, SXCCE organized a virtual seminar on ‘New Hiring Technologies’ on 27-08-2021 through Google meet. The resource person was Mr. Dhineshkumar Dhanakotti, Senior Technical Recruiter, Cortex Consulting Private Limited. Around 86 students participated in this webinar. The aim of this seminar is to create awareness about new hiring technologies.



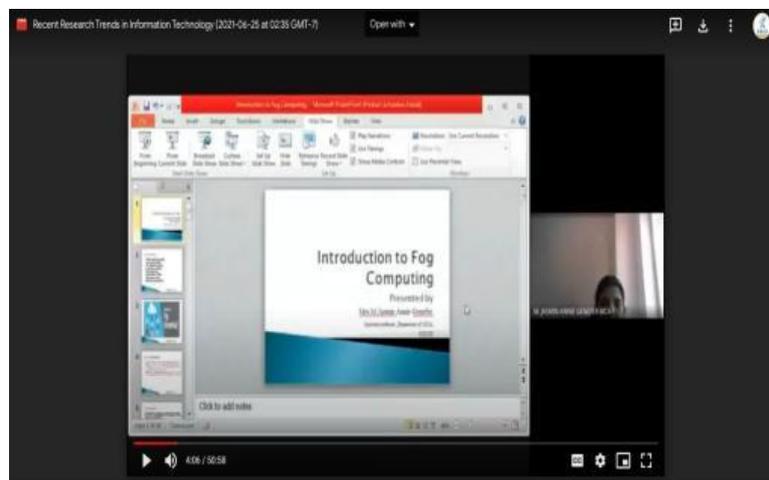
Workshop on Creating Natural Language processing Apps using Python

The software training and Development Cell, SXCCCE organized a workshop on ‘Creating Natural Language processing Apps using Python’ on 26-08-2021 through Google meet. The resource person was Dr. E. Ben George, Faculty, Information technology, Higher College of technology, Muscat, Oman. Around 180 students participated in this webinar. The aim of this seminar is to create natural language processing Apps using Python.



Webinar on Recent Research Trends in Information Technology

The Xavier Association of Computer Applications, Department of Computer Application organized a one day webinar on Recent Research Trends in Information Technology for the I & II year MCA students on 21-06-2021 through google meet. The resource person was Dr. M. Jeya Sutha/Assistant Professor, Dr. R. Reena Rose/HOD and Dr. R. Ramesh Dhanaseelan/Professor, Department of Computer Application, SXCCCE. About 41 students participated in this webinar. The main objective of this webinar was to understand different research areas.



International Yoga Day

To create awareness among the students, the NCC cadets are requested to practice Yoga at their on 21-06-2021 from 7.00 am to 8.00 am with their family members. In the light of the Covid 19 situation, the International Yoga Day was set to go digital. Around 74 cadets participated in this program. As instructed by the NCC battalion cadets posted their yoga photos in tweeter at #NCCfor yoga.



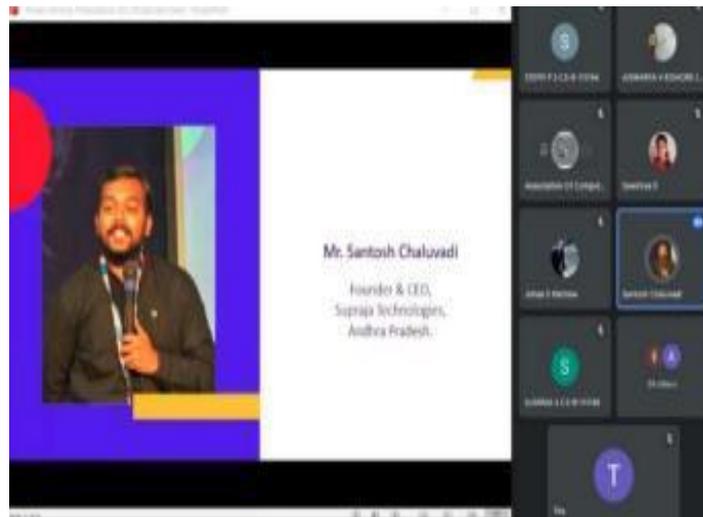
Webinar on Sustainable Manufacturing

The Institution of Engineers (India) organized a webinar on “Sustainable Manufacturing” on 20-06-2021 in Google meet. The webinar focused on the sustainable manufacturing and how it can be achieved. Around 22 students participated in this seminar. The Resource person of was Dr. A. S. S. Balan, Assistant professor of NITK, Surathkal. He started with the brief introduction on sustainable development and explained about sustainable manufacturing its benefits and cost. He also explained about dry machining, MQL machining, cryogenic machining and it’s pros and cons.



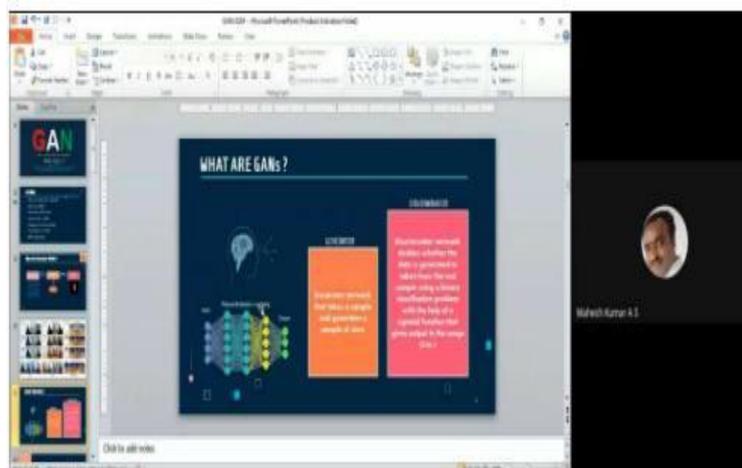
Workshop on Cyber Security and Ethical Hacking

The Association of Computer Engineers organised a Workshop on Cyber Security and Ethical Hacking 20-06-2021. The resource person was Mr. Santosh Chaluvadi, Founder & CEO, Supraja Technologies, Andhra Pradesh. Around 80 students participated in this event. He gave a brief idea about cyber security and moved on to live hands-on demos. First, he suggested a website to check if an email ID is compromised. Then, he suggested a website to check the strength of a password. He also suggested a website to upload and scan files for viruses. Students were given ample time to follow along with these live demos. He illustrated a few real-time examples of URL and email spoofing.



Virtual Seminar on Introduction to Generative Adversarial Network

The Association of Computer Engineers organised a virtual seminar on Introduction to Generative Adversarial Network on 19-06-2021. The resource person was Mr. Mahesh Kumar A S, Assistant Professor, Department of Electronics and Communication Engineering, PES College of Engineering, Mandya, Karnataka. Around 47 students participated in this event. He started the session by giving a brief introduction about deep learning, neural networks and generative models. He explained Generative Adversarial Network in detail along with its inner workings, drawbacks, advantages, steps involved in training and variations in GAN. Finally, he illustrated various applications of GAN using images.



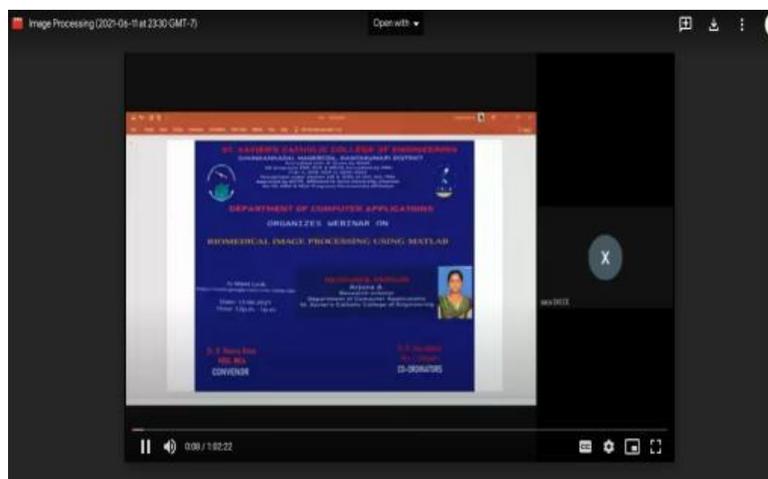
Virtual Seminar on IoT in Smart Cities

The Association of Computer Engineers organised a virtual seminar on IoT in Smart Cities on 14-06-2021. The resource person was Dr. Beulah David D, Assistant Professor, Department of Computer Science and Engineering, Jeppiaar Engineering College, Chennai. Around 102 students participated in this event. She started the webinar by giving a brief introduction on IoT and its components. She described various technologies, benefits, drawbacks, facts, and few applications associated with IoT. Then she explained various modules in a Smart Cities like waste management, smart streetlight, smart parking system, smart traffic light system, and smart public transport system. In her closing remarks, she emphasized the importance IoT and demand for IoT experts in the job market.



Webinar on Biomedical Image Processing Using MATLAB

The Xavier Association of Computer Applications, Department of Computer Application organized a one day webinar on Biomedical Image Processing Using MATLAB for the I & II year MCA students on 12-06-2021 through google meet. The resource person was Ms. Arjuna, Research Scholar, Department of Computer Applications, SXCCE. About 35 students participated in this webinar. The main objective of this webinar was to enhance the skills in image processing using MATLAB. The topics covered in the webinar include setting up and installing MATLAB, Processing image in Biomedical, Connection.



Dr. J. MAHESWARAN, M.E. Ph.D. P.E. M.T.E.
PRINCIPAL
XAVIER'S CATHOLIC COLLEGE OF ENGINEERING
CHELUVANKADAI
NAGERCOIL - 629 003