



FRANCIS XAVIER ENGINEERING COLLEGE
Department of Electronics & Communication Engineering
Newsletter (2022-2023 Even Semester)

Volume: 21 issue: 2

JAN 2023 - JUN 2023



DEPARTMENT VISION

To develop Electronics and Communication Engineers by permeating with proficient morals, to be recognized as an adroit engineer worldwide and to strive endlessly for excellence to meet the confronts of our modern society by equipping them with changing technologies, professionalism, creativity research, employability, analytical, practical skills and to excel as a successful entrepreneur.

DEPARTMENT MISSION

1. To provide excellence through effective and qualitative teaching- learning process that equips the students with adequate knowledge and to transform the students' lives by nurturing the human values to serve as a precious resource for Electronics and Communication Engineering and nation.
2. To enhance the problem solving and lifelong learning skills that will enable by edifying the students to pursue higher studies and career in research.
3. To create students with effective communication skills, the abilities to lead a ethical values in order to fulfil the social needs.

STATEMENT OF PSOs

PSO1: Design, Implement and Test Embedded and VLSI systems using state of the art components and software tools.

PSO2: Design and develop the signal processing and communication systems for the real time application.

STATEMENT OF PEOs

PEO1: Acquiring Quality Education:

To develop in the students the ability to acquire adequate knowledge on all aspects of Engineering and continue to develop professionally through lifelong learning which would spark an interest for higher studies and cutting-edge research.

PEO2: Developing Multi-skills & professionalism:

To provide ability in dynamic leadership skills, powerful Discerning & Decision making and communication skills with amicable team spirit and ethical responsibility.

PEO3: Contemporary learning:

To get equipped with skills in trending technologies in industries, which delivers excellent job prospects and kindles the spirit of entrepreneurship

EDITOR: Mrs. J. Friska AP/ECE

CO EDITOR: Mrs. E. Francy Irudaya Rani AP/ECE

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INAUGURATION OF CLUBS

Patent Publication



The Students of Advanced Electrical System Design Industrial Applied Lab, A. Subbulakshmi, R. Subitha and R. Subbulakshmi of II B.E ECE filed their idea under the title "Smart Stabilizer for Air Conditioner" and the patent got published. The Students are mentored by Dr. A. Andrew Roobert, Assistant Professor, Dept. of Electronics and Communication Engineering.

Club activities assist students to cultivate a sense of unity and work with others in reaching various goals.

To inculcate the spirit of unity and support the students develop leadership skills, FXEC has various clubs. The Inauguration of FXEC Clubs was conducted on 06.01.2022 under the activity code ACT/22-23/01062. The Director, the club coordinator along with the students lighted the Lamp. Dr.S.John Kennedy, Director, Admissions addressed the gathering and inaugurated all the 30 clubs.

In his address, he motivated the students to join various clubs. He also stressed on the importance of clubs and encouraged the students to actively participate in the club activities to develop their talents and leadership abilities. He stated that being part of a club helps one to gain knowledge, skills and experience in leadership, communication, problem-solving, group development and management, finance, presentation and public speaking.

About 600 students from various departments were present for the inauguration and registered themselves in various clubs. The inauguration came to an end with a vote of thanks.



Lighting the lamp by the student B. Saravanan from I B.Tech IT



Lighting the lamp by the Dr. S. John Kennedy Vethanathan, Director Admission



TRAINING SESSION ON CLOUD COMPUTING AND MICROSOFT AZURE CLOUD REVIEW

On 06.01.2023 a "Training Session on Cloud Computing and Microsoft Azure Cloud Overview" was organized by the Advanced Communication Systems Applied Lab in association with Department of ECE. The Session was handled by Mr. Murugesan,

Cloud Solution Architect, Microsoft from 11.00 – 12.30 PM. The session was presided by Prof. Mrs. Friska HOD/ECE. Dr. M. Suresh Chinnathamby, Assistant pProfessor, In-charge of the Laboratory gave the introductory remarks. The speaker gave a brief

introduction on Microsoft Azure. He stated that Cloud Computing Cloud computing is the on-demand availability of computer system resources, especially data storage and computing power, without direct active management by the user. The session was an

eye opener for many students and it ended with the question answer session and feedback. Around 250 students from ECE and CSE participated in the program.

"Cloud computing works by enabling client devices to access data and cloud applications over the internet from remote physical servers, databases and computers."

PATENT PUBLICATION



PATENT PUBLICATION BY THE STUDENTS OF ADVANCED COMMUNICATION SYSTEMS APPLIED LAB

The Students of Francis Xavier Engineering College are provided with various platforms to become innovators. The Industrial Applied Labs established in the Institutions instill in the students the spirit to invent and design their products and present them in national level contests. Recently, the members of the Advanced Communication Systems Industrial Applied Lab, A. Jessie, M.D. Laranya Shree of III B.E ECE and R. Sundhari of II B.E ECE filed their idea under the title "A Modern Smart Device for Monitoring Healthcare" for Patent under the Application No.202241069788 A and the patent got published. The Students are mentored by Dr. M. Suresh Chinnathamby, Assistant Professor, Dept. of Electronics and Communication Engineering.



AWARENESS PROGRAM ON TAMIL NADU STUDENT INNOVATORS

Entrepreneurship Development Cell

ORGANIZED

The Entrepreneurship Development Cell in association with AURCT-IEDP HUB, Anna University Regional Campus, Tirunelveli organized an Awareness Program on Tamil Nadu Student Innovators on 10th Jan. 2023.



Dr. Loordes Poobala Rayen, EDC Director, delivered the welcome address and introduced the resource persons.

Mr. M. Siva Baarathi, Field Coordinator, AURCT-IEDP HUB, Anna University Regional Campus-Tirunelveli and Mr. Padmanabha Kamal, CEO, Shelly Pvt Ltd, Thoothukudi are the guest speakers. This event was coordinated by Dr R PremAnanth AP/ECE. This event was conducted under the guidance of Dr. Lourdes Poobala Rayen, EDC Director. Dr. Loordes Poobala Rayen, EDC Director, delivered the welcome address and introduced the resource persons.



ACTIVITY CODE : ACT/22-23/01065

IMPORTANCE OF TNSI COMPETITION

Mr M. Siva Baarathi started his session by pointing out the importance of TNSI competition & further added that every year EDII-TN organizes TNSI competition and gives Rs 1 lakhs to 5 members but this year EDII-TN is giving Rs 1 lakh for 25 members. The resource person explained the various stages in TNSI competition: Stage 1: Entrepreneurship Awareness programmes, Stage 2: Ideation (IDEA) Camp - (Design Thinking, Business plan preparation), Stage 3: Boot Camp, Stage 4. State Level Pitch, Stage 5. Fellowship/Prototyping.

AWARENESS PROGRAM



Students Listening to the Resource Persons Talk

STUDENTS INTERACTION



GUEST TALK - "PHASE - II "

Training session on Cloud Computing and Microsoft Azure Cloud Overview

Guest talk on "A Technical Training Phase-II on Cloud Computing and Microsoft Azure Cloud Overview" was organized by the Advanced Communication Systems Applied Lab in association with the Department of ECE on 10.01.2023. The Session was handled by Mr. Murugesan, Cloud Solution Architect, Microsoft.

Prof. Mrs. Friska HOD/ECE presided over the session and introduced the chief guest. The speaker gave a brief introduction on Microsoft Azure, Core Azure architecture components, Core azure services and products, Azure solutions, Azure Security Services, Azure Management tools, Azure Subscriptions, Planning and Managing costs, Monitoring, and reporting in Azure. He explained Cloud Computing as companies and individuals that buy and sell goods and services over the Internet. The Speaker enumerated the recent trends and technologies in cloud computing and Microsoft azure etc. The session was eye opening for many students and it ended with positive feedback from the audience. A total of 250 students from ECE and CSE participated in the program. The session was jointly coordinated by Applied Lab In charge Dr. M. Suresh Chinnathampy, Assistant Professor / ECE, FXEC.

CLOUD COMPUTING & MICROSOFT AZURE CLOUD REVIEW

Module -1 Cloud concepts

- why cloud services?
- Types of cloud models
- Types of cloud services

Module - 2 Core Azure services

- Core Azure Architectural components
- Core Azure services and products
- Azure solutions
- Azure security services

Module - 3 Azure management, Pricing and support

- Azure management tools
- Azure subscriptions
- Planning and managing costs
- Monitoring and reporting in Azure

ALUMNI INTERACTION



Industry exposure allows a student to apply the technical knowledge to real-life situations and problems. On 18.01.2023 a guest talk on "Industrial Exposure on Software Field" was organized by the Department of Electronics and Communication Engineering along with the FX Alumni Association. The session was presided by Dr. M. Suresh Chinnathampy Asst. Prof/ECE and he introduced the chief guest. Karthick Kutralesswaran, Alumnus - Batch (2014-2018) Software Developer, BK Systems, Chennai gave a guest lecture on the topic of Industrial Exposure on Software Field.

It was an eye-opening session for the first-year ECE students who really want to become a software Engineer, also interactions made on Development of Software, career opportunities, training etc.

A total of 100 students attended the Guest lecture. The participants received a lot of inputs with reagrd to the Software tools used in the Industries.

The program was arranged under the guidance of Mr. Krishnakumar Director - FX Alumni Association, and Prof. Mrs. J. Friska HOD/ ECE. The session came to an end with a vote of thanks by Dr. M. Suresh Chinnathampy AP/ECE.

ICSSIT-2023 - SCOPUS INDEXED IEEE 5TH INTERNATIONAL CONFERENCE ON SMART SYSTEMS AND INVENTIVE TECHNOLOGY



The Scopus indexed IEEE 5th International Conference ICSSIT-23 was successfully organized by the Department of Electronics and Communication Engineering in FXEC, Tirunelveli. The 5th International Conference started with Prayer by Ms. Elaine Kiruba, Post Graduate Communication System student. Chief Guest, Dr. D. Nirmal, Professor and Head of Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, presided over the function. Mrs. Friska, Professor and Head, Department of ECE delivered the welcome speech. Dr. G. Rajakumar, Prof/ECE delivered the introductory speech about the 5th International Conference. Ms. Rinita Jeslin, a student of the Post Graduate Communication System, introduced the chief guest.



The proceedings of the conference were released by the guest. Dr. K. Jeyakumar, General Manager (Development) and Dr. V. Velmurugan, Principal delivered the felicitation address. Participants from various colleges from all over India and globally actively participated in the 5th IEEE International conference. More than 1520 papers were received and after three rounds of peer scrutiny, 282 papers were selected to be presented in the conference. The participants presented their papers in hybrid mode. The conference was skillfully coordinated by the Coordinator Dr. N. Muthukumar, Prof/ECE Department. The staff members of ECE department and Non-teaching staff members played a vital role in the successful completion of the conference. Dr. A. Andrew Roobert, Processor/ ECE delivered the vote of thanks.



5th International Conference on Smart Systems and Inventive Technology

Presidential Address by Dr. K. Jeyakumar, GM (D), SCAD Group



GUEST LECTURE ON "ASSERTIVE COMMUNICATION TECHNIQUES"



ABOUT THE SESSION

Being Assertive in Communication is one of the predominant soft skills that needs to be mastered by the young graduates of today. Assertiveness means expressing one's point of view in a way that is clear and direct, while still respecting others. Assertive Communication can help minimize conflicts in educational, professional and societal sectors. Recognising this, the faculty of English arranged an academic extensional guest lecture session on 9th & 10th Feb 2023 titled "Assertive Communication Skills" for the 1 year students of ECE, EEE, AI&DS & MECH.



SEMINAR ON "HOW TO ENHANCE THE COMMUNICATION SKILL"



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The ability to communicate effectively is a key skill that students need to possess in order to excel in life. Communication skills help students to deliver their message effectively. Taking this important factor into account, Department of Electronics and Communication Engineering, organized a Seminar on the topic "How to Enhance the Communication Skill" on 10.02.2023. Mrs. Anna Rajesh, Language Trainer from Minnesota, United States of America was the Resource Person. The session was presided by Mrs. Friska HOD/ECE.

Mrs. Anna Rajesh, Language Trainer, Minnesota explained the needs of Communication Skill & insisted the students to update their communication skills by listening to music, listening to audio tracks of any books/novels, chatting with other



persons in English. She further added that the students shall follow various innovative ways to enhance their language skill. The resource person interacted with the students about their career goal & she explained how to work on it and motivated the students towards language skill set enhancement, so that they will also be able to make a solid foundation for a prosperous career ahead. A total of 55 III year ECE students participated. The program was jointly coordinated by Mrs.E.Francy Irudaya Rani, AP/ECE, Mr.T.Pradeep T Rajan, AP/ECE.



MRS. ANNA RAJESH,
LANGUAGE TRAINER,
MINNESOTA



ALUMNI INTERACTION

On February 11, 2023, the Department of Information Technology organized a "Alumni Talk" for III year students. Mr. Satheesh, Devops Engineer, ATOS Syntel, discussed the importance of placement and answered questions on the 2-5 year corporate bond. He advised the students to concentrate on their final year project because it accounts for 40 to 60 % of the interview. He clarified several fundamental issues on the Aptitude, Group Discussion, Technical (1 or 2), HR rounds and advised students to improve their abilities by obtaining certification or acquiring a higher degree. He also said that Testing and developing test cases as well as having a firm grasp on one subject is essential. He listed the various degrees offered by renowned IT companies as well as the significance of



MR. SATHEESH,
DEVELOPER
(Batch: 2017-2021)

students doubts on employment stability, job change, and pay hike and recommended them to focus on the company's position rather than the remuneration package for a strong start. A total of 50 students attended the session and clarified their doubts regarding placements, further education, certification courses, etc.



"Without your involvement you can't succeed.
With your involvement you can't fail.

- A.P.J. Abdul Kalam

ONE DAY ONLINE WEBINAR ON IEEE - "ENHANCING PROJECT WORK AND RESEARCH"

FXEC Central Library in association with the ECE Department organized a one - day online webinar on "IEEE Enhancing Your Project Work and Research" on 7th March, 2023. Mr. Nanda Lal TS, Senior Training Manager, EBSCO Information Services & IEEE was the resource person for the event. Mr. B. Pradheep T Rajan, AP/ ECE delivered the welcome address.



Mr. Nanda Lal TS, Senior Training Manager, EBSCO Information Services & IEEE

A total of 139 participants attended this online webinar. Through this webinar, the participants benefited by gathering technical aspects behind IEEE. Finally, the event came to an end with the vote of thanks by Mr. T. Prabu , Librarian. FXEC Central Library and ECE Department owe a big thanks to the Management, ED Mam, General Managers, Principal, Professor Academics, Campus Manager, HOD's and all the participants for their undaunted support in making this webinar possible.

THOUGHT FOR THE DAY

"Have the courage to follow your heart and intuition. They somehow already know what you truly want to become."

- Steve Jobs



Department of Management Studies

INDUSTRIAL VISIT TO SPIC AND V.O.C PORT, TUTICORIN

Department of Management Studies organized an industrial visit to SPIC and V.O.C PORT, Tuticorin on 1st March 2023 under the activity code ACT/22-23/01230. A total of 51 students from I MBA along with 2 faculty members visited the industry. Initially students visited SPIC and interacted with Operations Manager and he explained the working process. Later, the students are allowed to see the working area. During the afternoon session, the students visited V.O.C Port, Tuticorin and the Port Authorities gave a brief introduction about the import and export process of raw materials from various countries. The students were highly satisfied by this industry visit.

"ADVANCED DATA STRUCTURE ALGORITHMS AND PROBLEM SOLVING"



Training and Skills Development Cell organized Placement Fit Technical Training on "Advanced Data Structure Algorithms & Problem Solving (Level - 2) (Phase-1)" for the benefit of pre final year CSE, ECE, IT & I year MCA department students from 06/03/2023 to 11/03/2023 in Training Hall, Ground Floor, MBA Block. The trainer for this training was Mr. Gowtham Shankar, Senior Trainer, Trainer from BYTS Services India Private Limited, Hyderabad.

The Topics covered in the training session are Introduction to Data Structure and Algorithms, Sorting Techniques, Time and Space Complexity, Application of stacks in arrays, Problem solving in integer pointers and character pointers, Problem solving in Strings, Stack, Queue, Types of Sorting, Applications of Data Structure, Linked list, Trees, Company specific Programs, Backtracking, Brute Force algorithm, Knapsack problem n-Queens problem. This training helped the students to get placement offers in highest package companies.



PLACEMENT FIT TECHNICAL TRAINING

“ADVANCED DATA STRUCTURE ALGORITHMS AND PROBLEM SOLVING”



Training and Skills Development organized and conducted Placement Fit Technical Training on “Advanced Data Structure Algorithms and Problem Solving (Level – 2) (Phase-I)” for the benefit of pre final year CSE, ECE, IT and I year MCA department students from 28/03/2023 to 31/03/2023 in Training Hall, Ground Floor, MBA Block. Mr. Prem Kumar, Senior Trainer, Trainer from BYTS Services India Private Limited, Hyderabad was the trainer for this training. The following topics were covered by the trainer such as Arrays, Strings, Company Specific problems, moves zeros to front, Rotate the array, Minimum moves to bring even front, Sort Colours, Majority element, remove duplicates, Trapping rain water, Stock and sell, Rotate the string, Valid Anagram, Valid Parentheses. This training helped the students to get placement offers in highest package companies. A total of 67 students from CSE=08, ECE=37, IT=18, MCA=04 students registered and attended the training program. The training program was convened by Dr. S. Balaji, Director/TSD, Coordinated by Dr. Y. Harold Robinson, Prof/CSE and Dr. S. Allwin Devaraj, AP/ECE, Dr. A. Jainul Fathima, AP/IT and Mr. M. Essakiraj, AP/MCA.



SESSION ON STAGES OF START-UP DEVELOPMENT

On 29th March 2023 “Session on stages of start-up development” was organized by the Entrepreneurship Development Cell of FXEC Tirunelveli, Institution’s Innovation Council in association with the department of Civil Engineering under the activity code ACT/22-23/01353. The resource person for the session was Mr.Manikandan, Proprietor, Yazhi Structural consultant, Alangulam. The resource person defined as the startup development as a process covers the whole ecosystem - from the inception of the idea to the actual use of the final product including its improvement and development. Each process needs detailed preparation before implementation. The speaker explained in detail the 5 stages of start-up development - discovery, concept development,



ADVANCED DATABASES AND DATA MINING

The Advances in Data Mining & Database Management series aims to bring together research in information retrieval, data analysis, data warehousing, and related areas in order to become an ideal resource for those working and studying in these fields. The guest lecture on the topic Advanced Databases and Data Mining was organized on behalf of the Dawn Association, MCA. Dr. Louisa Mary, Assistant Professor, Department of Computer Science, Sadakathullah Appa College was the resource person. Mrs. D. Angeline Ranjithamani, AP/MCA, HOD delivered the welcome address. The resource person taught in detail about Knowledge discovery from data and also about KDD. She had a brief discussion on what is data mining, databases, data reduction, data cleaning and data integration and interacted with the students and asked questions, students actively answered the questions. The program came to an end with a vote of thanks by Mrs. K.Dhamayanthi, AP/MCA.



NATIONAL SERVICE SCHEME - FIRE AND SAFETY AWARENESS PROGRAM

The National Service Scheme team of FXEC organized a Fire and Safety Awareness Program on 18.04.2023. The programme was organized with an objective to create awareness about fire safety, the usage of fire extinguishing equipment and the safety measures which can be taken during fire emergencies. Mr. Vettum Perumal, Assistant District Fire Officer, Mr. Raja Station Fire Officer and firefighters from Palayamkottai fire station, Tirunelveli were the Chief Guest of the awareness program. They gave an awareness presentation with a demo about Fire safety measures to the students from ECE, CSE, EEE, & CSBS department and nearly 146 students participated. The event was coordinated by Dr. R. Suman, NSS Program officer.



"If you want to achieve excellence, you can get there today. As of this second, quit doing less-than-excellent work."

-Thomas J. Watson



innovations. He said that the objective of the workshop is to suggest steps for transforming innovations into proprietary assets, use IP information relating to patents and designs for further research and development in developing new products and processes and finally utilizing the IP information in the business development. In the forenoon session, the resource person created awareness and also explained the types of Intellectual Property Rights. He explained each type with an example, and also taught how each design differs from others. He demonstrated how to file a patent through online and offline mode. He listed the application fees for registering a patent and

further said the Government of India has reduced the application fees to promote Innovation. He concluded the session by explaining to the students how to write claims for patent rights. The interaction between the students and the resource person was highly motivating to all the Participants. A total of 41 students and 2 faculty members participated. The Program was organized by Dr. R Prem Ananth, IIC Convener, IIC Innovation Ambassador for "Design thinking & Innovations", AP/ECE, FXEC with the guidance of Dr. Lourdes Poobala Rayen, EDC Director.

INNOVATION IN TEACHING LEARNING PROCESS

EXPERT TALK ON

GOVERNMENT SCHEMES TO PROMOTE RURAL ENTREPRENEURSHIP THROUGH SHGs



On 13.04.2023 an Expert talk on "Government Schemes to Promote Rural Entrepreneurship through SHGs" was organized by the Entrepreneurship Development Cell and IIC in association with the Department of Electronics and Communication Engineering. The Session was handled by Mr. Ganesan, General Manager, District Industry Centre, Tirunelveli from 09.30 AM - 12.30 PM. 43 External SHG members and 2 faculties participated. This event was coordinated by Dr. R. Prem Ananth AP/ECE and conducted under the guidance of Dr. Lourdes Poobala Rayen, EDC Director. The program started with the welcome address by Dr. Lourdes Poobala Rayen, EDC Director. He started his welcome address by creating an awareness and importance of getting government schemes to start the business and introduced the chief guest to the gathering and his role in developing Rural Entrepreneurship. He welcomed all the external SHG members from rural areas in and around Tirunelveli and he requested the SHG members to listen carefully about all the government schemes and make use of this opportunity to create a business venture.



RESOURCE PERSON

Mr. Ganesan

General Manager,
District Industry Centre,
Tirunelveli

by explaining his role in DIC. He explained Pradhan Mantri Formalisation of Micro Food Processing Enterprises Scheme (PMFME), Unemployed Youth Employment Generation Programme (UYEGP), Prime Minister's Employment Generation Programme (PMEGP) and New Entrepreneur cum Enterprise Development Scheme (NEEDS). He stated the objectives of the Pradhan Mantri Formalisation of Micro Food Processing Enterprises Scheme such as Capacity Building of Micro Food entrepreneurs, Technology up-gradation of the existing Micro Food Processing Enterprises by increasing access to credit to the entrepreneurs, Branding and Marketing support.



The guest speaker also explained Unemployed Youth Employment Generation Programme (UYEGP) schemes and requirements. He explained the eligible criteria for the UYEGP schemes the recipient entrepreneur should have an eighth-grade education, any adult (18+) can apply for UYEGP, special categories have age limits of 35 and general categories have 45-year age limits, the couple's annual income shouldn't exceed Rs 1,50,000 per annum, the recipient entrepreneur must have a 3-year residence in Tamilnadu training was required for a UYEGP loan, the recipient must not had received any State/Centra Government loan or subsidy to apply for UYEGP. Similarly, he explained the objectives and eligible criteria for Prime Minister's Employment Generation Programme (PMEGP) and New Entrepreneur cum Enterprise Development Scheme (NEEDS).

The interaction between the SHGs and the resource person was highly motivating to all the Participants. The Program was organized by Dr. R Prem Ananth, IIC Convener, IIC Innovation Ambassador for "Design thinking & Innovations".

TO PLASTIC POLLUTION"

WORLD ENVIRONMENT DAY



Session Overview

Commemorating World Environment Day, an Expert Talk on "Solution to Plastic Pollution" was organized by the Entrepreneurship Development Cell and IIC in association with the Department of Electronics and Communication Engineering on 05.06.2023. The Session was handled by Mr. M. Robinson, Assistant Professor, S&H, FXEC Tirunelveli from 01.30 PM - 04.30 PM. A total of 51 students and 2 faculty members participated. This event was coordinated by Dr. R. Prem Ananth AP/ECE with the guidance of Dr. Lourdes Poobala Rayen, EDC Director. The program started with the welcome address by Dr. R. Prem Ananth, IIC Convener, FXEC and said that the world environmental day was celebrated to create an awareness among the students about the harmful effects of single use plastic and also to stimulate the students to find an alternate source for plastic. He introduced the expert Mr. M. Robinson and also welcomed all the students and encouraged the students to listen and requested all the students to spread awareness about the use of single use plastics among their parents and friends.

NATIONAL TECHNOLOGY WEEK INAUGURAL ADDRESS OF HON'BLE PRIME MINISTER OF INDIA "SCHOOL TO STARTUP"



NATIONAL TECHNOLOGY DAY

On 11.05.2023 an MIC Driven Activity: National Technology Week Inaugural Address of Hon'ble Prime Minister of India "School to Startup" to Igniting young minds to Innovate was organized by the Entrepreneurship Development Cell of ECE department and IIC.



THE PRIME MINISTER, SHRI NARENDRA MODI INAUGURATED THE PROGRAMME MARKING NATIONAL TECHNOLOGY DAY 2023, AT PRAGATI MAIDAN IN NEW DELHI

The programme marked the commencement of the celebration of the 25th year of National Technology Day being held from the 11th to the 14th of May. The Prime Minister conveyed his greetings to every citizen on the occasion of National Technology Day. The Prime Minister Praised the theme of today's event 'School to Startups- Igniting young minds to innovate' and further added that India's future will be decided by the youth and children of today. He said that the passion, energy, and capabilities of the children and youth today are India's big strengths.

Referring to the rapid changes taking place in the world of technology, the Prime Minister expressed confidence that the youth of India will lead the country in matching this pace and also crossing it. He mentioned AI tools that have emerged as the new game changers, the limitless possibilities in the health sector, and new innovations taking place in drone technology, and the therapeutics sector and said that India must take a lead in such revolutionary technology. The session was organized by Dr. R. Prem Ananth, IIC Convener, IIC Innovation Ambassador for "Design thinking & Innovations", AP/ECE from 10.30 - 12.30 PM. A total of 46 students and one faculty member participated.



EXPERT TALK ON INNOVATION AND TECHNOLOGY READINESS LEVEL

On 09.05.2023 Expert talk on "Innovation and Technology Readiness Level" was organized by the Entrepreneurship Development Cell and IIC in association with the Department of CSBS under the activity code ACT/22-23/01336. The session was handled by Dr. R. Prem Ananth, AP/ ECE, FXEC. The program was coordinated by Dr. T. Manimozhi, EDC Coordinator of CSBS, Professor/Mathematics, FXEC.

The resource person explained Technology Readiness Level (TRL) as a systematic approach used to assess the maturity and readiness of a technology or innovation for practical application. It provides a framework to evaluate the technological progress and potential risks associated with transitioning a concept from the laboratory to the market. TRLs are typically categorized into nine levels, ranging from TRL 1 (basic principles observed) to TRL 9 (commercially available). He insisted that assessing the TRL of a technology is crucial for decision-making, resource allocation, and risk management. He further added that TRL helps organizations to understand the readiness and feasibility of implementing a technology, estimate the time and resources required for development, and identify potential challenges or gaps that need to be addressed. The students from II year CSBS and faculties of CSBS department attended the session.



RESOURCE PERSON
Dr. R. Prem Ananth, AP/ ECE, FXEC

AWARENESS ON YUKTI INNOVATION REPOSITORY AND INNOVATION CHALLENGE



Entrepreneurship Development Cell of ECE department and IIC

INTRO ABOUT THE SESSION

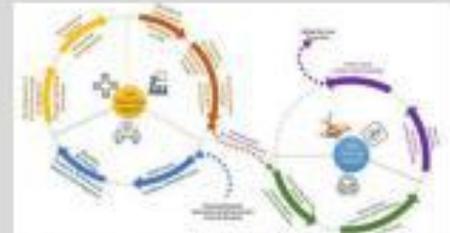
On 05.05.2023 an Awareness on "YUKTI Innovation Repository and Innovation Challenge" was organized by the Entrepreneurship Development Cell of ECE department and IIC through offline mode. The session was handled by Dr. R Prem Ananth, IIC Convener, IIC Innovation Ambassador for "Design thinking & Innovations", AP/ECE, FXEC from 09.30 - 12.30 AM.



RESOURCE PERSON

Dr. R Prem Ananth,
AP/ECE, FXEC

A total of 48 students and one faculty member participated. The resource person started the session by defining the word innovation, as creation of new or improved knowledge with potential of implementation to the business of the company with positive impacts and market acceptance.



He also explained the term business innovation and its features. He said vision, idea, discovery, creativity, development, technology, growth and success will lead to innovative new things. The resource person demonstrated the Yukthi portal and he explained how to register and login in the Portal. He says Yukthi is a system of building ideas, innovations and startups from academic institutions and nurturing for scale up.

TOURISM & WILDLIFE CLUB ESSAY WRITING

On behalf of DAWN Association, Tourism & Wildlife club, the Department of MCA conducted a "Essay Writing" competition on 16th May 2023. The competition was aimed to encourage the students to save and rescue the ancient things. Totally 17 students were registered & actively participated in the activity. The judge for the event was Mrs. K. Dhamayanthi, AP/MCA. The students enthusiastically participated in the offline Essay Writing Competition and wrote about their desire to preserve historical objects. During the competition, students got the chance to show off their solid actual knowledge and how it related to their social responsibilities. The Winners were: V Ramya & S Robinson of MCA



V Ramya



S Robinson

“ You cannot change your future, but you can change your habits, and surely your habits will change your



TALK ON ARTIFICIAL INTELLIGENCE

FX-ENGLISH PROFICIENCY CLUB



SESSION OVERVIEW

Essay writing competitions are a great way to build independent thought and strengthen one's writing skills. In addition, structuring one's thoughts within word limits helps you frame subtle connections concisely. Essay writing competitions provide a concrete timeline and scope for exploration, which can be helpful with time management. The world of Artificial Intelligence is booming and to make the students of FXEC attain greater input on its impact, an essay writing competition was conducted under the topic "Is Artificial Intelligence a boon or a bane" on 7.6.2023 by 3.00 pm in the library first floor under the activity code ACT/22-23/01574.

A total of 16 students participated in the competition and presented their views on the given theme. The competition was conducted by FX English Proficiency Club. The students are exhorted to write an essay of about 500 words within an hour. The students were enthusiastic about this competition and were given well-knitted essays. The first place was bagged by Ms. NITHYASRI POORANI. P. G of 1st year CSE, Ms. NIVETHA SWARNA SAKTHIS. S of 1st year ECE secured the second place and Ms. MANO PRIYA. M of 1st year ECE and Mr. ROHITH. R of 1st year EEE secured the third place. The event was coordinated and conducted by Mrs. Shala F John, AP/English, and Ms. Thamizh Paavai P, AP/English.



P.G. NITHYASRI POORANI, 1 CSE



NIVETHA SWARNA SAKTHIS, 1 ECE



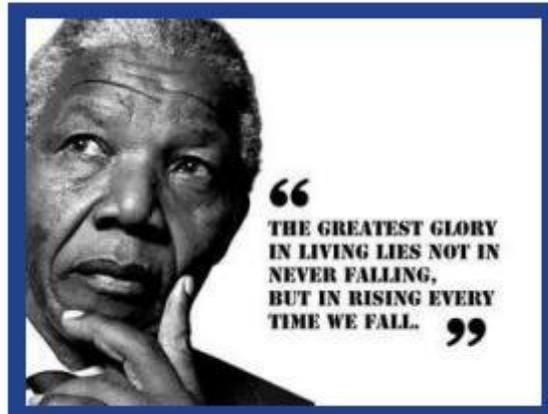
M. MANO PRIYA, 1 ECE



R, ROHITH, 1 EEE

ENDING SESSION

The resource person explained that RPA handles high-volume tasks quickly and accurately, resulting in improved process cycle times and enhanced productivity. The program came to an end with a Q & A session. A total of 55 students attended this outstanding session to get knowledge about RPA developing.



THE ROLE OF G20 IN SHAPING AND STRENGTHENING INTERNATIONAL ECONOMIC ISSUES - MIC DRIVEN ACTIVITY



INTRO ABOUT THE SESSION

On 14.06.2023 an Expert Talk on "The Role of G20 in Shaping and Strengthening International Economic Issues - MIC Driven Activity" was organized by the Entrepreneurship Development Cell and IIC in association with the Department of Electronics and Communication Engineering. The Session was handled by Dr. R PremAnanth, IIC Convener, IIC Innovation Ambassador for "Design thinking & Innovations", AP, FXEC from 01.30 PM - 04.30 PM.

A total of 60 students and 2 faculties participated. This event was coordinated by Pradheep T Rajan B, AP/ECE. This event was conducted with the guidance of Dr. Lourdes Poobala Rayen, IIC President.

G20 IN DETAIL

The guest speaker started his session by introducing G20 as the Group of Twenty international forum comprising 19 countries and the European Union. It serves as a platform for discussing and coordinating global economic and financial matters. The speaker said that G20 was established in 1999 in the aftermath of the Asian financial crisis. He said initially, it consisted of finance ministers and central bank governors from 19 countries, including major economies and emerging markets. The first G20 summit of heads of state or government took place in 2008 during the global financial crisis.

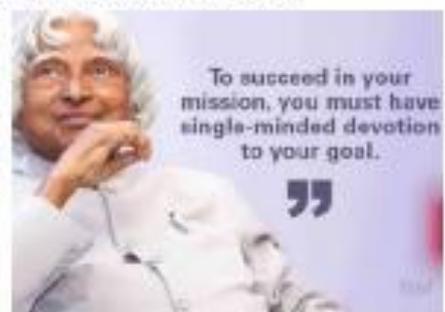
EXPERT TALK OVERVIEW



Dr. R Prem Ananth, AP/IECE

He defined the objectives of G20 are Promoting global economic growth and stability, fostering international financial cooperation, addressing global economic imbalances, enhancing financial market regulation and Combating international financial crimes, such as money laundering and terrorist financing. He also highlighted few achievements of G20 are coordinated response to the global financial crisis through stimulus packages and regulatory reforms, enhancing international tax cooperation

and combating tax evasion through initiatives like the Base Erosion and Profit Shifting (BEPS) project and promoting sustainable development and climate change action including the Paris Agreement on climate change. He concluded the session by saying G20 plays a crucial role in global economic governance and cooperation. The interaction between the students and the resource person was highly motivating to all the Participants. The Session came to an end with the feedback of Students. The Program was organized by Mr Pradeep T Rajan, AP/FXEC.



MOTIVATIONAL PROGRAMME



Resource Person

DR. I. JEGAN

International Motivational Speaker
CEO - Win your Weakness
Motivational Academy



Eminent and energetic leaders of the SCAD group of institutions

INDUSTRIAL VISIT TO VIKRAM SARABAI SPACE CENTER

Industrial visits provide the students with an opportunity to learn practically through interaction, working methods and employment practices. The Department of Electronics and Communication Engineering organized an industrial visit to Vikram Sarabai Space Center - Kerala State, Trivandrum on 22.6.2023. The Visit was arranged for 1 year ECE students. A Total of 107 students and 4 faculty members visited VSSC.



ABOUT THE VISIT

The aim of this visit is to give the students an exposure to current work practices as opposed to theoretical knowledge being taught at their college classrooms. Through this visit, Students gained knowledge about ISRO VSSC control room, their entire campus, and how Rocket launching process is carried out. Students got an opportunity to see ISRO VSSC museum where there were demo models & photographs of satellites & rockets which are launched by ISRO. The Rocket Garden at VSSC displays a collection of real and scale models of rockets used in India's space missions in which one can witness the evolution of launch vehicles and learn about their features and applications. Students were amazed at the speed at which the process occurred and how the automated systems could work according to the requirements. The industrial visit to VSSC was an enriching experience for students in getting live exposure of Space Technology which can help them in their internships and further career enhancements. The students gained knowledge through the visit and it was an eye-opening session.



THOUGHT FOR THE DAY

"The mind is not a vessel to be filled
but a fire to be ignited."

— Plutarch

First Year Students from ECE