



FXEC RANKINGS AND AWARDS

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ON INNOVATION ACHIEVEMENTS
RANKED "BAND EXCELLENT"

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For Innovation and Entrepreneurship Activities

PLATINUM RATING
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NBA
NATIONAL BOARD OF ACCREDITATION

AICTE
All India Council of Technical Education



If you believe in yourself and have dedication and pride - and never quit, you'll be a winner. The price of victory is high but so are the rewards.
- Bear Bryant

Glimpses



Training session on Cloud Computing and Microsoft Azure Cloud Overview

GUEST TALK - "PHASE - II"



FAZILA S, ICSE A

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.

Expert Talk on "Channelizing Youth Power for Nation Building"



First year students from the Department of Civil listening to the Lecture

FAZILA S, ICSE A

On 12th January 2023 an expert talk was organized on "Channelizing Youth Power for Nation Building" by the Entrepreneurship Development Cell of FXEC Tirunelveli, Institution's Innovation Council in association with Civil Engineering Department. The speaker for the program was Mrs.P. Raja Priya, Assistant Professor, Department of Civil Engineering, Francis Xavier Engineering College,

Tirunelveli. First year civil engineering students attended the session. The session was coordinated by Dr.G.Ginni, Assistant Professor, Department of civil engineering. Every year national youth day is celebrated to commemorate the birth anniversary of Swami Vivekananda as his ideologies have been a driving force for country's youth. The speaker mentioned that according to Education meant secular learning that

built character and instilled human values in students. Therefore the students should be properly educated and guided as they are the future of the nation. The speaker mentioned the words of Henry James " Youth is the joy, the little bird that has broken out of the eggs and is eagerly waiting to spread out its wings in the open sky of freedom and hope. The statistics about the youth population in India and the stories of successful startups of young minds were also shared with the students. As research and innovations

are the backbone of the country's development the students were educated about the importance of startups. The initiatives of the government for the youth like Skill India, Make in India were also mentioned by the speaker. The importance of role of youth in various sectors like business / IT, politics, administration services, research and society were shared with the students. The students took oath on the words of Dr.A.P.J Abdul Kalam for the students and youth. The session

ended with the note that "Education and empowerment are the two most important factors that the youth of our country should be enlightened about. Hence it is always important to facilitate the overall development of the youth to ensure the development of our nation". 42 students and 2 faculties from the department of civil engineering attended the session and the student Raja Durai M received the Certificate for participation from Mrs.P.Rajapriya AP.

SKILL TRAINING PROGRAM - AI & DS



A training programme on AI& ML model deployment with Python was given by the Department of Artificial Intelligence and Data Science. On the Phase-I mandatory skill training session, trainers were explained the use of various machine learning algorithms, uses and its implementation for totally 10 days. It includes supervised machine learning algorithm and unsupervised machine learning algorithm. On the first 5 days sessions, the trainer explained about 7 supervised machine learning algorithm and their uses. Further, trainer insisted the students to observe their surroundings, where they could find several machine learning algorithm working to solve their daily life problems. On the next 4 days sessions, trainer explained about 5 unsupervised machine algorithm and its implementations. This skill training program envisions turning an innovative idea into a tangible concept by student involve in creativity, product development, design thinking and fostering skills among engineering students in all disciplines that are required to identify opportunities and bring them to life. On the final session of Phase I, students were asked to do a mini project. The Students choose projects from various sectors like education, marketing, sports, healthcare and social media. Students were evaluated based on problem understanding, data preparation, model planning, implementation and validation. The total of 64 students from II year AI&DS were actively participated and successfully completed the Phase-I training sessions. The training session was organized under the guidance of Dr. A.Anitha HOD/AI&DS and trainers were Arunadevi and Monica Rachael AP/AI&DS.

Manuscript Editors

- Stella D, II CSE B
- Mahaboob Washifa M, I MBA
- Jaithoon Rehana M P K, I MBA
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FXEC RANKINGS AND AWARDS



Pongal Celebration @ FXEC - 2023

Nimcy, I MBA

Pongal is a harvest festival and holds a lot of cultural and traditional significance in the minds of the people who are celebrating it. It is a celebration of prosperity that comes with a good harvest. The Harvest festival -Pongal was celebrated at Francis Xavier Engineering College on 13th January 2023. The campus was adorned with flowers, thoranam and stacks of sugarcane to grace the occasion. The day started off with the preparation of sweet pongal by every Department, followed by which traditional sports like pot breaking and tug of war were conducted, which entrapped the students in awe and enthusiasm. Competitions like Rangoli and Pot painting for girls and Kabadi match for boys were conducted to add more vibrancy to the moment. The Principal along with an array



Students of FXEC in Traditional Dress

of Management authorities honored the winners with mementos and shields. To add more spark to the day the students performed enticing dance performances which made the audience bubble with cheer. The



display of traditional art of Silambam, Surul Kathi, Val Vithai and Tharkappu Kalaigal made the spectators feel proud of being a Tamilian. The entire day was fun filled and brought cheer into the heart and soul of all.



Pongal Making by all Departments



Department of CSE



Department of CSBS



Department of CIVIL



Department of AI&DS



Department of ECE



Department of EEE



Department of IT



Department of MECH



Department of MBA



Department of MCA



STAFFS



Dance performance by the girls



Group singing by FXEC Students



Dance performance during the Pongal celebrations

Creating Awareness on Cyber threats and tips to avoid a data breach.

Stella D, II CSE A

Computers today form an integral part of our lives. With a motive to increase awareness of computers amongst students, a Guest Lecture on "Cyber Club Awareness" was organized by the Cyber Forensics Applied Lab in association with the Department of Computer Science and Engineering on 12.01.2023. Mr. S. Muthukumar, Sub Inspector of Police, Cyber Crime Police Station, Tirunelveli was the resource person. The session was coordinated by Dr. R. Ravi, Professor/CSE, FXEC & Dr. Y. Harold Robinson, Associate Prof./CSE, FXEC. Dr. G. Aravind Swaminathan, Professor and Head/CSE, has delivered the welcome address & emphasized the importance of Cyber Club Awareness. Dr. R. Ravi introduced the chief guest



Resource person release the Cyber Club Awareness

and delivered the introductory speech regarding Cyber Awareness. The guest speaker suggested that the cyber club aims to increase students' awareness of computers and their uses in our daily life, with a view to prepare citizens of tomorrow who are better suited to deal with information technology. He explained that Cyber Security Club is a student-run club with the goal of providing outside-of-class activities relevant to the industry and listed the benefits of data security include the prevention of data breaches, the protection of sensitive information, and the deterrence of cyber-attacks. The resource person further added that Data security also helps to ensure the continuity of business operations in the event of a security breach or attack. A total of 80 students and 3 staff members participated in the program.

Patent Publication

PATENT PUBLICATION

Title of the Invention:
SMART STABILIZER FOR AIR CONDITIONER

Advanced Electronic System Design Industrial Applied Lab

R. Subbulakshmi, II B.E ECE
R. Subitha, II B.E ECE
A. Subbulakshmi, II B.E ECE

Guided by: Prof. Dr. A. Andrew Roobert

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.



Dr. R. Ravi, Professor/CSE



Mr. S. Muthukumar, Sub Inspector of Police



Dr. G. Aravind Swaminathan, Professor and Head/CSE

Don't judge each day by the harvest you reap but by the seeds that you plant.

-Robert Louis Stevenson

