



## FXEC RANKINGS AND AWARDS



### Upcoming Events



National Level Technical Symposium, Department of Mechanical Engineering, 25th May 2022



National Level Technical Symposium, Department of Artificial Intelligence and Data Science, 26th May 2022



National Level Technical Symposium, Department of Computer Science and Engineering, 27th May 2022

### Highlights of the Week

#### Life Skill Programme

Life skills programme was conducted by Barclays on Interview preparation and digital skills.



## 81 Final Year Students of Francis Xavier Engineering College receive offer letters from the Tech-Giant TCS

In the recent national level recruitment drive conducted by TCS, 81 final year students of Francis Xavier Engineering College, Tirunelveli got selected in the final round of interview process and received the offer letter for various positions. The offer letters were distributed by Dr.S.Cletus Babu, Chairman, SCAD group of Institutions.



With a great motive to make its students land on a lucrative job, Francis Xavier Engineering College has been in the forefront in providing training to all levels of students with the support of industrial experts in the areas of IOT, AWS, ITIS, Salesforce in accordance with the recruitment needs. As an outcome, the institution feels the pride of 81 final year students getting placed in TCS with greater career prospects.

the best opportunity to talk to the industrial experts and have fruitful discussions and become strong in the emerging trends as per the industry needs. Specific training is also given to the students to take up various positions abroad. Additional support to master communication skills help the students communicate well during the interview process.



#### Testimonies

Placement is the Hallmark of FXEC. 274 students are receiving salary from multinational companies while studying.

Dr. S Cletus Babu, Chairman, SCAD Group of Institutions, Mr. Arun Babu, Managing Director, SCAD Group of Institutions appreciated Dr.K.Jeyakumar GM (D), Mr.S. Krishna Kumar, GM (A), Dr.V.Velmurugan, Prin-

icipal, Dr.A.Ganasaravannan, Dean, Placement, Dr.S.Balaji, Dean, Training and Skill, Dr. Lourdes Poobala Rayan, Professor, EDC, Dr. L.R.Priya, Professor, Academics, Mr.J.Zahariya Gabriel, Campus Manager, the Heads of the Department, all the Professors for the milestones reached with regard to placement activities and wished all the students who got placed in TCS to have an excellent career path and reach greater heights.

### Students receiving the offer letters



## INPLANT TRAINING The members of the Advanced Communication Systems Applied Lab successfully complete the 5 day IPT @ BSNL Tirunelveli

Keeping the students updated with the emerging trends of technology is the forte of FXEC. As In-plant Training is beneficial to support the students to develop professional skills and open up the doors for greater opportunities, and enhance the career prospects, the student members of the Advanced Communication Systems Applied

Lab Aruna Shree K, Gomathi Sankari V, Mari Gomathy A, Brindha B, Jessie A, Laranya Shree M D underwent a 5 day In-plant Training at BSNL, Tirunelveli, from 18th April to 22nd April 2022. The students were trained by Shri.A. Vijayakumar SDE, General, TVL, Shri S. Krishnakumar DGM (Admin) TVL hri S. Vijay Krishnan, AGM EB, Shri K. Vijay S Manikandaraj

SDE BD, Shri B. Mayakrishnan, SDE PLC, Shri R. Maxwell Jaganathan, SDE (BB) Smt G. Ramalakshmi, SDE CM PLG, Shri T. Lalbahadur Sastri SDE SALES, Shri S. Senthil Raja SDE BSS Shri.G. Kumar, JTO BBCPLC, Shri A.Anand JTO BD, Shri.N.Bala Valluvan, JTO BB Shri.G. Karthik Jeeva JTO BSS, TVL. The IPT opened up new

avenues for the students to get to know more about the communication systems, boost their confidence to take up live projects. The students were guided and by Dr.M. Suresh Chinnathampy AP/ECE. the internship provided unique opportunities for learning new skills outside of the academic settings.



The members of the Advanced Communication Systems Applied Lab @ BSNL Tirunelveli

"This Internship served as an opportunity to develop and apply the skills, theories and concepts learned in the classroom" stated one of the participant.



# FXEC - Applied Lab students win laurels

## Embedded and IoT Applied Lab Students win the first prize in the Paper Presentation @ Yanthrodhaya 2022

Applied Labs at Francis Xavier Engineering College is a new kind of the state-of-the-art physical work space which encourages creation, development, and implementation of novel ideas to support the students master cutting-edge skills and delve into the emerging trends of

technology. **Embedded and IoT Lab @ FXEC** is guided by Dr. Lakshmi Narayanan, AP/Department of Electronics and Communication Engineering. A team of students Aruna, Kausalya, Boomadevi, Janani and Janaki of the Embedded and IoT Lab Participated

and presented their project **"IoT based Manhole monitoring system"** in the Project Presentation @ Yanthrodhaya 2022, National level technical symposium held at Kalasalingam University, and won the first prize.



**Embedded and IoT Applied Lab Students at Kalasalingam University.**

"Preparing for this contest kept us engaged, creative and energized, thanks to FXEC for establishing the Applied Labs" stated Janani, the member-student of the Applied Lab

## Members of the Programming and Coding Applied Lab bag the First & Second Place in the Paper Presentation Contest conducted at Kalasalingam University



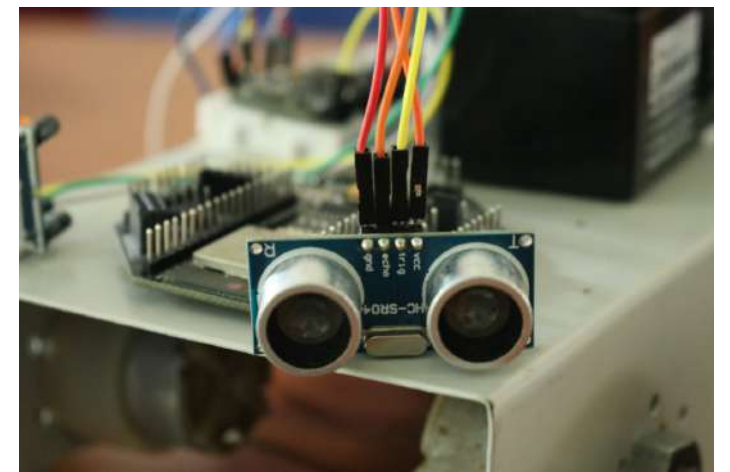
Over the past several years, coding has progressed from a hobby to a **critical career skill**. Acknowledging that programming and coding will support the students have a greater career prospects the state of the art Programming and Coding Applied lab has been established at FXEC. The Applied Lab supports its members to leverage innovation using the latest tools and technology.

The members of the Applied Lab is guided by Dr. Manohar, AP/ Department of Computer Science and Engineering. The students are involved in attending various

Hackathons to prove their mettle in Programming and Coding. The members of the Applied lab Preethi Gomathy M, Subiksha.K, Shrija T and Anto Joel V won the first prize and received the cash award at **Digital Dreamz 2022** for the Paper Presentation "DECEN token under solana network" Mohamed Sadh MH and Saran E won the Second Prize and a cash award for the Project Presentation Smart Tank. Anto Joel V won the third place in the "Tech Connect Event"



## Nurturing Talents



## Ideation Lab & Cyberforensics Lab students presented their innovative projects at Dr. Ambedkar Institute of Technology, Bangalore and win a cash award of Rs 10,000.

The student-members of the Applied Labs established at FXEC are motivated to come up with new ideas, execute them, and iterate until the idea is fully developed into a project. As the student-members work with the forward thinking, it makes them possible to present their projects in National Level Contests.



**G. Arun Prabhakar**  
Ideation Lab

J. Rajkamal II CSE of the Cyberforensics lab and Arun Prabahar III IT of the Ideation lab presented the project titled "Object detection for visually challenged" in the megaproject contest held at Dr. Ambedkar institute of technology, Bangalore and were in the 4th position out of 120



**Raj Kamal II CSE ( Cyberforensics lab) Arun Prabahar III IT (Ideation lab) receiving the Cash Award of Rs 10,000.**

projects exhibited and won a cash prize of Rs 10,000.

The Project team includes Sangli Boopathy - II CSE and

Vincent - II CSE of the Data Science Lab.



**J. Rajkamal**  
Cyberforensics Lab

## RESEARCH



Prof. Dr. C. Yesubai Rubavathi / CSE and Prof. Dr. K. Lakshminarayanan / ECE have published their research findings in SCOPUS / SCI indexed journal

Creating Next-Engineers with in-demand Professional Skills

**FRANCIS XAVIER**  
ENGINEERING COLLEGE  
AN AUTONOMOUS INSTITUTION  
Vannarpettai, Tirunelveli



# Students of FXEC Catch-up with the New-Age Technology

An Initiative by Embedded and IOT Applied Lab

Embedded and IoT Applied Lab in association with Department of Electronics and Communication Engineering organized a two day workshop - a Hands On Session on Drone Technology. The Resource Person for this event was Mr.Karthick, Trainer & Engineer R&D from Green Tech Aviations, Coimbatore. About 40 Students from various departments participated in this workshop. Day 1 session started with the discussions about introduction to Drone technology, various Unmanned Ariel Vehicles, and its application and various technical aspects in how to fly a Quadcopter, assembling a drone with required materials such as BLDC motors, ESC, Flight Controllers, Propeller, and Sensors such as Accelerometer, Gyroscope, transmitter and receiver. The afternoon session was about phoenix flight simulator, the students simulated the Aircraft, and this helped in piloting the drone before flying it in the real time. Day 2 session started with the assembling of drone and hexacopter, using mission planner software for calibrating the drone for stable flight, finally the assembled drone was tested in the open space.

This workshop was coordinated and arranged by Dr.K.Lakshmi Narayanan, In-charge of Embedded and IoT Applied Lab and Convened by Mrs.J.Friska, HOD/ECE



Students during the workshop on Drone Technology

## Drones - unmanned Flying Robots - An Overview



R P Janani, III ECE

Drones are unmanned flying robots that have gained popularity in recent years. Drones are attracting engineering students because of their versatility in a wide range of applications. This flying robot can either be controlled manually or automatically. Engineers are fascinated by drones in a variety of ways. Drones fall

within the category of embedded systems and design. Drones can be used for a variety of tasks that would be impossible for humans to accomplish. Everything is a cakewalk for drones, from aerial photography to precision agriculture. Drones are employed to abour in filthy, monotonous, and dangerous conditions where human life is at risk. MALE (Medium Altitude Long Endurance), HALE (Height Altitude Long Endurance), TUAV (Tactical Unmanned Flying Vehicle), CRUFV (Close Range Unmanned Flying Vehicle), MAV (Medium Altitude Variable Altitude) and Micro Aerial Vehicle are the different types of drones. Almost all engineering fields

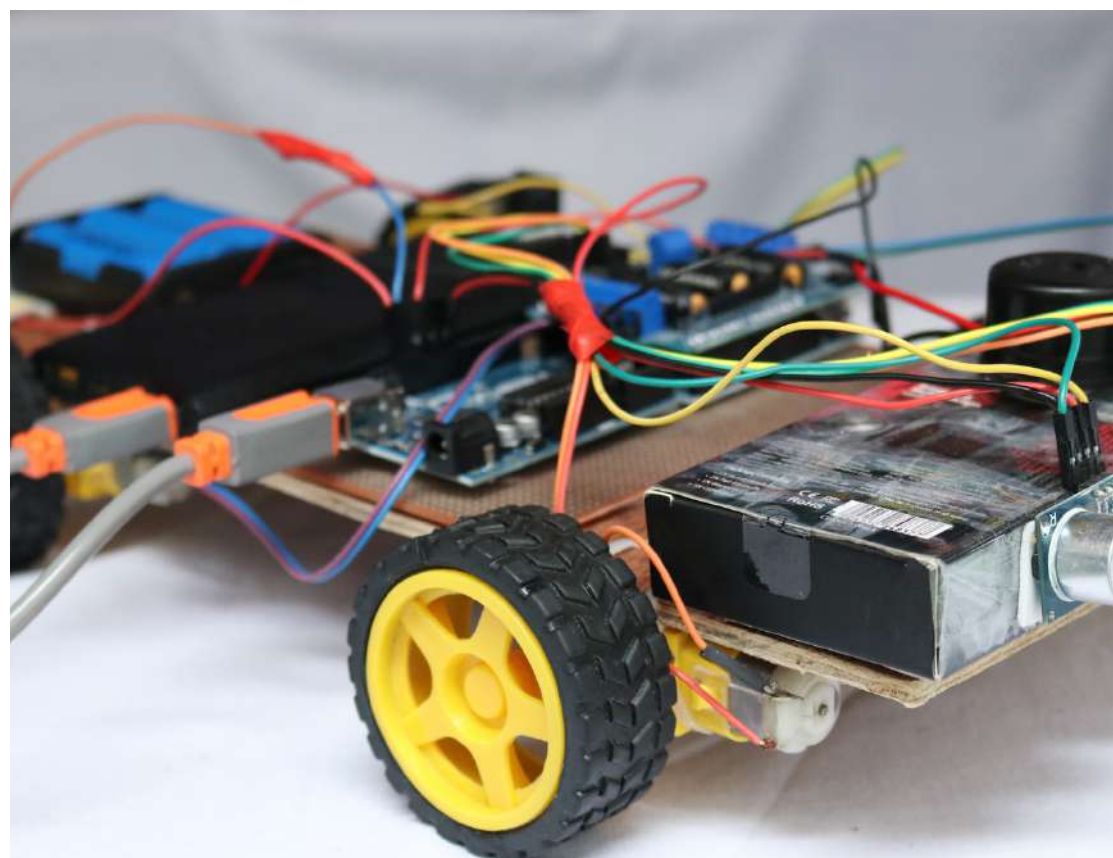
such as electronics and communication, computer science, artificial intelligence, Mechatronics, and so on, play important roles in drone development and implementation. Target and reconnaissance, warfare, logistical, civil and commercial reasons, surveillance, and other applications are possible with the following classified drones. People are also adopting drones as a hobby these days. Drone taxi, pesticide spraying drone, medicopter and drone taxi are some of the most popular drone uses right now.

## Polytechnic Students Showcase Projects in Innovative 2022 - A Mega Project Contest



In a bid to support the students of Polytechnic Colleges, Innovative 2022 was organized on 20th May 2022. Around 50 Projects were presented by students from various Polytechnic Colleges.

The winners were appreciated by Dr.K.Jeyakumar, GM(D) and Mr.S.KrishnaKumar GM(A) & Director (Applied Lab) Mr. Zahariya Gabriel, Campus Manager. Dr. Ganasaravan, Prof. Placement, Dr. Balaji, Prof. Skill and Training.



## Ideation Lab Students Win the best Jury Choice Award.



"Ideas can help you inspire, innovate and create. Ideas are the start of something new and big"

Ideation Lab @ FXEC explores to bring out the creativity, innovation and skills of the students through their Ideas and foster them to get along with futuristic technologies. The students of Ideation lab presented their Ideation along with proof of concept in the Ideaverse at the National level Idea cum Project presentation conducted via Online. G.Arun Prabhakar (III IT), P.Harries Pandi (I CSBS), V J Venkatesh Babu (III IT) participated in the event and won the best

**Jury Choice Award.** The mentor of the team Dr.T.C.Subbu Lakshmi, Asso.Prof / IT was also awarded the Best Mentor Award for mentoring the team.

The Ideation lab Team extends its gratitude to the chairman Dr.S.Cletus Babu for his encouragement, Dr.K.Jeyakumar, GM(D) and Mr.S.KrishnaKumar GM(A) & Director (Applied Lab) for their motivation and Mr. Zahariya Gabriel for his ardent support. The team owe special thanks to the HoDs of IT and CSBS for their support and motivation towards achieving the best jury Choice Award.

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## Executive Meet



### Shri.Anand Rajan

Strategic Account Director,  
Salesforce,  
Bangalore



# PG Student Wins Rs 1 Lakh



**Dr. S. Cletus Babu, Chairman, SCAD Group of Institutions** giving the official letter signed by the EDII Director to Ms. Aswathy Mohan, II CSE - M.E for winning Rs 1 Lakh in the EDII-TNSI 2021 Innovation Contest in the presence of Mr. Siva Baarathi, Field Coordinator, EDII - Tirunelveli Hub, AURCT (Second from the left)

## Data Science Applied Lab Students Win Prizes

Data science lab of Francis Xavier Engineering college is functioning with a motive of enhancing technical skillset and product development. A team from Data Science lab Gladston Akash Raja (I-AI&DS), Mari Selvam (I-AI&DS), Jebin.M (I-AI&DS), Kala Devi G B (II-IT), Dharshini M (II-CSE)

presented their prototype in "National level Prototype contest" conducted at Birla Institute of Technology and Science (BITS) PILANI, RAJASTHAN. The team has won first prize in the event along with the cash award. Dr.A.Anitha mentored the team and gave technical inputs for the project.

First Prize in Apogee '22 held at BITS, Pilani



## Industrial Visit



On behalf of the MCA Department, DAWN association, the first-year students visited the AK Infopark Pvt. Ltd. Parvathipuram, Nagercoil on 02-05-2022 and students were given a brief talk about "The company and its requirements". The HR explained the divisions of the company i.e Marketing, Software Requirement Analysis, Testing, and Product Development. He said that the company offers career opportunities like Web Developer, Android Developer, IOS Developer and Server Administrator. The skill requirements of the company were well stated. The students were given inputs on PHP, JAVASCRIPT, PYTHON, JSP, ASP React JS. Finally, the speaker pointed out the importance of teamwork and the secret to the success of the company.



## First Prize in Ideathon '22 held at Gujarat Technological University



Data Science lab of Francis Xavier Engineering College is functioning with a motive of enhancing technical skill in emerging technologies. Students are trained to develop multidisciplinary products. A team of students - Gladston Akash Raja (I-AI&DS), Gayathiri (I-AI&DS) and Dharshini (II-CSE) from data science lab developed an innovative product and presented it in the National Innovative Pitch Fest – Ideathon organized by GTU-

Innovation and startup Centre. The First two rounds were conducted online. Their idea was appreciated and the jury the Finals and presentation was conducted at Gujarat Technological University. The students interacted with Chief Guest, Shri.Jagdishbhai .Vishwakarma, Industries Minister of Gujarat and Dr. Naven Sheth, Vice Chancellor – Gujarat Technological University.

The team was mentored by Dr. A.Anitha, HoD/AI&DS.

The team owes their gratitude to Dr.K. Jeyakumar, General Manager Development Dr.Velmurugan, Princi-pal, Mr.Krishna Kumar, General Manger (A) &, Director Applied labs. The team was appreciated by the Dr. Cletus Babu, Chairman, SCAD Group of Institutions.

## Technical Workshops

### UI UX – Figma Tools



Acknowledging that workshops are great for brainstorming, interactive learning, building relationships, and develop problem-solving skills, the Department of Information Technology organized a Hands-on workshop on UI UX – Figma Tools for II & III Year students on 18th

May 2022 Mr. M. Saravana Kumar, Business Associate Design & Operation, Synaptics Software Pvt. Ltd., Chennai was the resource person. The entire session was hands-on and about 95 students attended the event.

### Crud web application using Angular and Firebase Database



The Department of Computer Science and Business Systems conducted a Workshop on Crud web application using Angular and Firebase Database on 5th May 2022 Thiru. Asarutheen, System Engineer, Infosys handled the session.

The students were given inputs on CRUD application and how it is used by angular and firebase database. Importance of CRUD application and Installation process. The workshop module had excellently been framed.

### Key concepts of "Entrepreneurship as a tool for economic development".

The Department of Artificial Intelligence and Data Science organised an workshop for the first year B.Tech Artificial intelligence and Data Science students on 16th May 2022. Mr.N. Subramanian, Associate Professor, EEE was the resource person. He, in his address, pointed out that "Entrepreneurship is an important strategy for fighting poverty through employment creation and income generation." He motivated the students on creating new products and services.



Dr.A.Anitha Head of the Department of Artificial Intelligence and Data Science, gave details on how AI is connected with business processes using robotic process automation (RPA). Mrs. P. Sooriabrabha, AP/Maths was the Coordinator for this workshop.

## Technical Seminar

A session was arranged by the Entrepreneurship Development Cell of ECE department and MoE - IIC on 16.05.2022. The Seminar was presided by Mrs J Friska HOD/ECE and jointly coordinated by EDC director and IIC president Dr. Lourdes Poobala Rayen.

Miss. Sowmya, II ECE welcomed the gathering. The Session was handled by Dr.A.Andrew Roobert, In-charge of Advanced Electronic System Design Incubation Centre, Assistant

Professor, Department of ECE, Francis Xavier Engineering College. He, in his address stated the importance of students becoming product developers and gave inputs on developing products and prototype.

The program was coordinated by R Prem Ananth, IIC Convener, IIC Innovation Ambassador for "Design thinking & Innovations", Assistant professor, Francis Xavier Engineering College.