



FXEC RANKINGS AND AWARDS




FXEC Students win the 2nd Place in Kumari Startup Summit 23
Students received the Cash Award from Thiru. Mano Thangaraj, Minister for Information Technology & Digital Services, Govt. of Tamil Nadu



March 2023 International WOMEN'S DAY
DigitALL: Innovation and Technology for Gender Equality
#EmbraceEquity

"Nothing is Impossible The Word Itself Says 'I' M POSSIBLE!"
- Audrey Hepburn



SMART Agrothon 2023 - a 24 Hour Agro Hackathon @ Karpagam Engineering College
FIRST Prize
ASWIN T MUTHU GANESH A MADASAMY P ANOSE I
Cyber Forensics Industrial Applied Laboratory PAVITHRAN M

INDUSTRIAL VISITS

Dept. of Management Studies
An industrial visit was organised by the Department of Management Studies to "SPIC" Tuticorin, Tamilnadu. The students interacted with Operations Manager and got to know the working processes.

During the afternoon session the students visited V.O.C Port, Tuticorin. A brief intro was given by the Port Authorities about the import and export processes.

Dept. of Computer Science and Engineering



The Department of Computer Science and Engineering organized an Industrial Visit to CDAC for the II year students.

ACHIEVERS

The Students from Advanced Electronic System Design Applied Lab win cash prize.



Manopriya M and Ramalakshmi N of I B.E ECE from Advanced Electronic System Design Applied Lab won the second prize in Paper Presentation competition of GYAN MITRA '23 symposium.



Suruthi Minna A and Remya G of II B.E ECE from Advanced Electronic System Design Applied Lab won the **Best Paper Award** with Cash Prize in the 7th National Conference SILICON'23.

Data Science Applied Lab Students win the 3rd Place in "VISAI-2023" - the 13th International Project Competition organized by Vel Tech IST in association with The Indian National Commission for Cooperation with UNESCO



The winners of the competition receiving the award from Dr. S. Cletus Babu, Chairman, SCAD Group of Institutions. Mrs. Augusti Marys Priyadarshini, Correspondent, SCAD Group of Institutions appreciated the students for their achievement

Data Science Industrial Applied Laboratory @ latest tools. Five teams from Data Science Industrial Applied Lab participated in the 13th International Project Competition -VISAI 2023 organized by Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology in collaboration with the Indian National Commission for cooperation with UNESCO (INCCU). Out of the 5 teams, the team comprising ROCHE MICHEAL R, SELVA BOOPATHY K S, FATHIMA SHEERIN R, SELSHIYA SHERIN M got the third prize under the Sustainable Development Goal on the Theme: Life on Land. The project was presented on the topic "COASTAL FISHERMAN AID".



The objective of the project is to save the lives of the people who unintentionally or unknowingly cross the country border during their fishing venture. Dr. Cletus Babu, Chairman, SCAD Group of Institutions and Mrs. Augusti Marys Priyadarshini, Correspondent, SCAD Group of Institutions appreciated the team for winning the contest. Dr. K. Jeyakumar, GM (Development), Mr. Krishna Kumar GM (Administration & Director - Applied Labs), Dr. V. Velmurugan, Principal, Dr. K. Lakshminarayanan, Vertical Head/AL appreciated the team for their achievement. The the students of Data Science Applied Lab are guided by Ms. M. Aruna Devi, AP AI & DS.

It is a pride to see women achieving in the field of Engineering & Technology - Smt. Kavitha Jawahar, Motivational Speaker



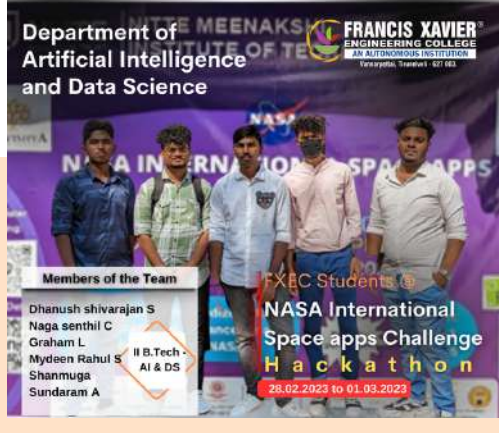
Mrs. Augusti Marys Priyadarshini, Correspondent, SCAD Group of Institutions addressing the women of FXEC

8th March - International Women's Day brings many things for women – a cause for celebration, a reason to pause and re-evaluate, get motivated, inspired and a time to honour the loved and admired ones. Women's Day was celebrated at Francis Xavier Engineering College to acknowledge the progress and achievement of every individual woman. On the occasion, an array of contests like Treasure Hunt, News Paper Fashion Show, Sha Boo Three, Dub Smash, Meme Creation, Dance on the Spot and Singing were conducted with a motto to provide a platform for the women students to expose their talents. Mrs. Kavitha Jawahar, Motivational-Speaker was invited as the chief guest for the event. In her address she spoke on the theme "Innovation and technology for gender equality" and that it takes a whole lot of determination to achieve greatness in this society we live in. It is always a pride to see women achieving in the field of Engineering & Technology. She appreciated the fact that 7 of the department heads are women who are great achievers as it takes a great deal to balance between their career and family. She acknowledged that the women teachers are like angels who treat the students as their own children and groom them to shine in their life and career. She also quoted Dr. Muthulakshmi, the first female doctor of Tamil Nadu who struggled a lot to attain such a position in her life. It is the undue responsibility of all the women to greet their mothers on this special occasion and earn honour to their family. The programme was presided by Dr. V Velmurugan, Principal, Francis Xavier Engineering College. Mrs. Priyadarshini Arum Babu, Correspondent, SCAD Group of Institutions and Dr. John Kennedy, Director Admission, SCAD offered felicitations and greeted all the women faculty and student. Prizes were also distributed to the students who won in the competitions conducted in this regard.

STUDENT ACHIEVEMENTS



Praveen M, Praywin Samson E and Winson R participated in SCIMIT ' 23 Project Presentation contest and won the First prize.



Dhanush Shivarajan S, Naga senthil C, Graham L, Mydeen Rahul S, Shanmuga Sundaram A of Artificial Intelligence and Data Science Industrial Applied Lab participated in NASA International Space Apps Challenge - Hackathon 2023 at NITTE MIT, Bangalore.



Kalaiselvan C, Allen Roi P, Ragupathi Narayanan H, Stanley Vincent A and Abith Junaith D of Artificial Intelligence and Data Science Industrial Applied Lab participated in NASA International Space Apps Challenge - Hackathon 2023 at NITTE MIT, Bangalore.



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RANKED "BAND EXCELLENT"



Highest Star Status by the MoE, Govt. of India.

For Innovation and Entrepreneurship Activities



AICTE-CII Industry Linked Technical Institutions



PATENT PUBLICATION



The Students of Robotics and Automation Industrial Applied Lab - J Evan Benildus of III EEE, A Murugalakshmi, Pandi Saranya A R V and R Sankara Narayanan of II ECE filed their invention for patent under the title "Automatic Fennel Dispenser". The Patent got published recently.

The Applied Lab Students are guided by Dr. A. Ravi, Professor, Department of Electrical and Electronics Engineering.

Workshop on Measures to prevent Cyber Attack

Resource Person

Dr. R. Ravi, Professor and Research Center Head, Department of Computer Science and Engineering, Cyber Forensics Applied Lab In-charge, FXEC, Tirunelveli.

FXEC Cyber Forensics Applied Lab along with the Department of Computer Science and Engineering organized a workshop on "Precautionary Measures to Prevent Cyber Attack".

The Session was handled by Dr. R. Ravi, Professor and Research Center Head, Department of Computer Science and Engineering, Cyber Forensics Applied Lab In-charge, FXEC, Tirunelveli.

The speaker talked about the prevention of cyber attack through hardware or software firewall protection. He insisted the students not to download software or applications from unknown sources. He further added that everyone has to reassure that all devices



accounts are protected by a strong PIN or passcode and should never share the PIN or password with anyone. He added that net-banking password, One Time Password (OTP), ATM or phone banking PIN, CVV number etc. should not be shared with any person even if he/she claims to be an employee or a

representative of the bank. Such instances must be reported to the bank immediately. He explained about the safe internet practices and etiquettes and he stated that as engineering students each one should be aware of the threats and learn more about cybersecurity practices. A total of 115 students and 2 staff

members participated in the program. The session was coordinated by Dr. R. Ravi, Professor, Department of Computer Science and Engineering, and Mrs. M. Bagya Lakshmi, Assistant Professor, Department of Computer Science and Engineering, FXEC.

One - Day Workshop On Goal Setting



FXEC Department of Management Studies organized a one day workshop on goal setting for the MBA students. Dr. Rajavalli Rajiv, Motivational Speaker, was the guest speaker for the session.

At the end of the session, the students were asked to set their goals and frame strategies to achieve the goals.

The program came to an end with a vote of thanks by Ms. Jeyashree.

The workshop was coordinated by Mrs. J. Evangelin Kiruba, AP/MBA

A MEGA AWARENESS CAMPAIGN 2023



With a great motive to create awareness among the students and the general public on the use of cloth bags, Youth Red Cross wing of Francis Xavier Engineering College organized "A Mega Awareness Campaign - to distribute free cloth bags".

The Campaign was launched by the Thiru M. Appavu, Hon'ble Speaker Tamil Nadu Legislative Assembly in the presence of Dr. Cletus Babu, Chairman, SCAD Group of Institutions.

Entrepreneurial Avenues Through Building Information Modelling- Expert Talk

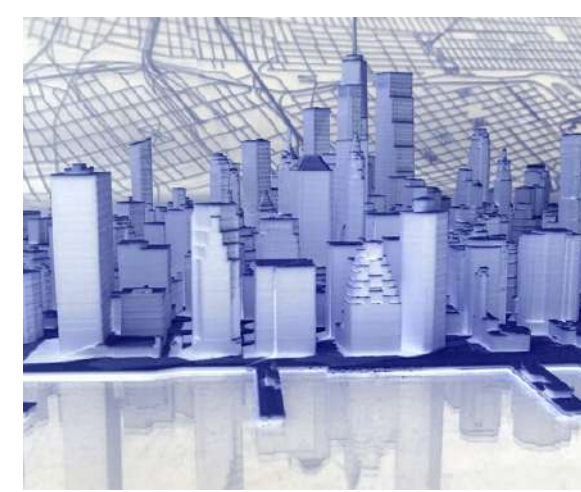
FXEC Entrepreneurship Development Cell, Tirunelveli, Institution's Innovation Council in association with the Civil Engineering Department organized an expert talk on "Entrepreneurial avenues through Building Information Modelling" for the Civil Engineering students under the activity code ACT/22-23/01213. Mr. Ronaldo Sam, IV year Civil Engineering was the resource person for the programme who was also an

entrepreneur who is owning a construction firm in Tirunelveli. A total of 40 II year Civil Engineering students attended the session. The session was coordinated by Mrs. P. Raja Priya, AP, Department of Civil Engineering.

The speaker defined Building Information Modelling (BIM) as a process of creating and managing information about construction projects using virtual models that assist architects and engineers in

detecting any possible design, construction, or operating difficulties. He explained that the developments in technologies have enabled the construction industry to plan, design, construct and manage more complex and larger scale projects and further added that Building Information Modelling could be used for improving the efficiency of projects, improving the collaboration between stakeholders and creating a central model that

contain all the project information are some of the added values of implementing BIM. A video was played for the students to give a wider knowledge on the importance of BIM. Our student entrepreneur, being the Managing Director of his company, shared his personal experiences and the importance of softwares for entrepreneurs. He also stressed the need for becoming an entrepreneur to introduce innovative knowledge and skills in the civil engineering field.



Ideation Lab - Reinox Symposium (Runners)



Ideation Lab in 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. A team of students in the Ideation Lab are working on practical applications in Augmented reality and Virtual reality in various domains.

their work on "Immersive user experience with Augmented Reality in Engineering domain" in the National level Technical Symposium Event REINOX organized by National Engineering College, Kovilpatti and were the runner up in the paper presentation Event.

Dr. T. C. Subbu Lakshmi, Tech Lead - Ideation Lab, FXEC mentored the team of students. The Ideation Lab extends thanks to Mr. S.

Krishnakumar GM(A) - Director Applied Labs, Dr. K. Lakshmi Narayanan, Applied Labs Vertical Head, Mr. Zahariya Gabriel Campus Manager for the support and the Heads of IT and CSBS Department for encouraging the students.



Presentation on Innovative Projects



FXEC Entrepreneurship Development Cell and IIC in association with the Department of Computer Science and Engineering organized a seminar on "Presentation of Innovative Projects" on 22.02.2023. This event was conducted under the guidance of Dr. Lourdes Poobala Rayen, EDC Director. The session was coordinated by Mrs. M. Bagya Lakshmi, AP/CSE, FXEC. The resource persons of the

session were, Dr. T. C. Subbu Lakshmi, Professor, Department of IT, FXEC and Ms. Agnes Joshy, Assistant Professor, Department of IT, FXE. The students from the final year CSE Department participated in the program. The students presented their innovative projects and the session was concluded with an innovative idea by the faculty member. A total of 110 students and 18 faculty members participated in the program.

Special Initiatives Skill Training - Robotics and Automation Applied Lab



FXEC Robotics and Automation Applied Lab, FX LabVIEW academy in association with National Instruments conducted a special initiative skill training on the topic Graphical System Design using LabVIEW at National Instruments lab for the II year students. The objective of this hands-on training is to get advanced experience in handling and developing LabVIEW based applications to solve core engineering problems. The skill training was interactive and had both theory and practical sessions. On the first day, an introduction

about virtual instrumentation and graphical system design was given and different types of controls and indicators were introduced to the students. On the second day of the workshop, the basics of LabVIEW, programming using structures, arrays, clusters, numeric, Boolean etc were discussed. On the third day students learned about loop and while loop based projects. On the Fourth day, case structure string, Array and related projects were done by students and also practiced basic programs like Fibonacci series, matrix multiplication, sorting and De-sorting arrays. Logic circuits like half adder, Full

adder, 4:1 multiplexer, counters and shift registers etc were executed using LabVIEW. Some assignments using a water tank and timer were given by tutors and executed by the students. Creation of Sub VI, documentation and instantiation of Sub VI were also learnt. Introduction of MyRIO kit and Data acquisition was given in the last session. At the end of the training program, the feedback was received from the students and an assessment test was conducted. Students were advised to do mini projects at the end of core1 LabVIEW Workshop. The Entire session was handled by Dr. Ravi Prof/EEE.