



FXEC RANKINGS AND AWARDS

ARIIA
ATL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS
RANKED "BAND EXCELLENT"

Highest Star Status by the MoE, Govt. of India.
For Innovation and Entrepreneurship Activities

AICTE-CII Industry Linked Technical Institutions
PLATINUM RATING

NBA
NATIONAL BOARD OF ACCREDITATION

AICTE
All India Council of Technical Education

Department of Computer Science AND Engineering

MOHAMED USMAN J B A
IV B.E CSE

Received Placement Offer from **Mu Sigma**

SALARY CTC
5 LPA - 30 LPA (Over 4 Jumps)

Mohamed Usman J B A of IV B.E CSE received the placement offer from Mu Sigma with the salary package of 5 LPA - 30 LPA (Over 4 Jumps)

FRANCIS XAVIER ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION

YOUTH RED CROSS

Blood Donation Camp

"Donate blood and be the reason for someone's existence"

March 11, 2023

DONATE BLOOD #savealives

Blood Donation Camp' 23

"The **Struggle** you're in today is developing the **strength** you need for **tomorrow**"

IDEATION Laboratory Students Visit Maxelerator Foundation - A Deep Tech Company

HANDS - ON TRAINING SESSION



A hands on training session was organized for the 3rd year students of Mechanical Engineering on Radiographic, Magnetic particle, Ultrasonic, Penetrant testing.

TRAINING SESSION



The Technical Industry mentor Mr. Manaz imparted training on ML algorithms, implementation of ML in GPU and Configuring GPU, Interfacing Devices and live integration of GPU with real time scenario.

The students were given a demo of implementation of AI and ML algorithms. The students also carried out execution of a few projects in GPU, tested and validated.

The discussion forum went on with Q&A sessions, interactions, Queries and future collaborations. The team was supported by Mr. Karthik, Manager Maxelerator Foundation who facilitated the team for technical support.

The session was very useful with the excellent technical support in the ML domain. The company showed their interest to collaborate with the Ideation lab in future endeavors in terms of Internship and Consultancy works.

The Ideation lab team extends special thanks to Prof Lourdes Poobala Rayan, Prof - EDC for providing support and guidance to connect with Maxelerator and thanks to Mr. S. Krishna kumar and Dr. Lakshmi Narayanan, Applied lab Vertical head for their support and to HOD's of CSBS and IT for encouraging the students.

CSE Intra Department Sports - Cricket Tournament

Skills Like Teamwork, Leadership, Patience, Discipline, Learning From Failure, Sportsmanship, Etc., are Developed Only When Students Play Sports On a Regular Basis, And These Skills Are Equally Important When It Comes To Studies And Management, Which Ultimately Lead To Skill-Building. In this regard, FXEC the Computer Science and Engineering Department organized the Intra department sports competition under the activity code ACT/22-23/01223. In the Cricket match for the boys, 6 teams participated. The matches were conducted on Knock out basis. The first match was between the II CSE and IV CSE. The team headed by Mr. Aadhi from II CSE won the match. The second



match was conducted among three first year CSE teams. In the first match I year C team won the match against I Year CSE A team. In the second match I year CSE C won the match against I Year CSE A. In the semi-final I Year CSE played against III Year CSE. In that match, III Year CSE won the match and entered the final. The

Final match was conducted between III Year CSE and II Year CSE. The II Year CSE Team was headed by Mr. Aadhi and the III Year team was headed by Mr. Arnold. The III Year team won the toss and elected to field first. The II-year team set the target of 71 runs in 10 Overs for the III-year CSE. Mr. Aadhi was the top scorer. He

scored 41 runs in 18 balls with 6 sixers. Mr. Hari of III Year bagged 2 wickets and Mr. Felix, Mr. Fazil and Mr. Kasi Raja bagged one wicket each. The III Years reached the target in 5.5 overs with 8 wickets in hand. Mr. Vishnu was the top scorer in the second innings. He scored 41 runs from 15 balls with 2 fours and 5 sixers. The

winners were appreciated by the Principal Dr. Velmurugan, the CSE HOD Dr. G. Aravind Swaminathan, tournament coordinator Dr. E. Manohar, Mr. S. Malaiarasan of CSE Department and by the Physical directors Mr. Suresh, Mr. Sam and Ms. Nandhini.

Web Architecture with Go Language

Department of Computer Science and Engineering organized a guest lecture on the topic "Web Architecture with Go Language" on 08-03-2023 under the activity code ACT/22-23/01254.

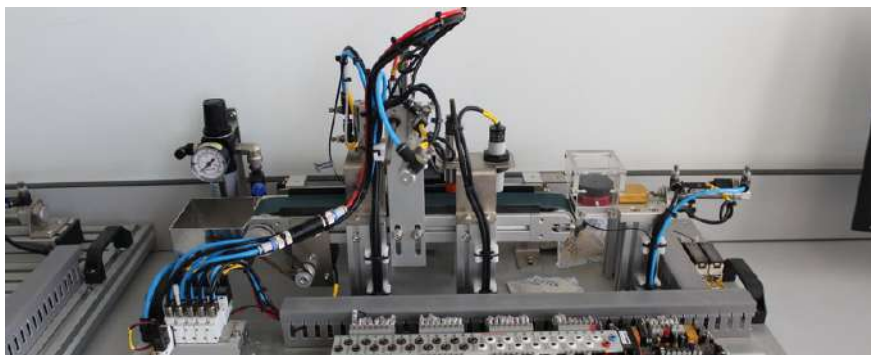
Er. Muthu Durai M., (CSE Alumni), Associate Software Engineer, Kloud Technology Works Pvt. Ltd. was the resource person. Dr. G. Aravind Swaminathan Welcomed the resource person and Dr. E. Manohar introduced the resource person. The resource person interacted with the II year CSE students and shared his work experiences. He talked about the demand and high salary package for Go Language in the industry. He said that the cost and efficiency of Go Language is

Resource Person
Er. M. Muthu Durai

higher than Java Language and he taught about setting the environment for Go Language. He said that it is easy to learn Go Language and also explained about concurrency in Go Language and Go routines. The program came to an end with the vote of thanks by Dr. E. Manohar. The event was coordinated by Dr. E. Manohar under the guidance of Dr. G. Aravind Swaminathan, Head of the Department / CSE and Mr. Krishan Kumar, Director, Alumni Association.

Skill Training On Basic Control System Practice in Matlab

Industrial Automation Applied Lab



MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming in an easy-to-use environment where problems and solutions are expressed in familiar mathematical notation. With the aim to benchmark competencies that matter the most for being employable in a competitive landscape,

Industrial Automation Applied Laboratory conducted Skill Training on the basic control system practice in MATLAB from 27.02.23 to 02.03.23 to the II year students. The main objective of this skill training is to enable the students to build an open loop system with step input, to describe the proportional-plus-integral-plus-derivative control mode, to use MATLAB to build a closed loop system with PID

controller. Through this training, students were able to use Matlab for interactive computations. Students got familiar with memory and file management in Matlab and also learnt to generate plots and export this for use in reports and presentations. The skill training ended with a feedback session by the students and expressed their interest and willingness in attending the next skill training of this series.

All India Inter-University Sepak Takraw Tournament



Natarajan R of II B.Tech AI&DS participated in the All India Inter University Sepak Takraw Tournament held at Manipur University, Canchipur, Imphal and won the Third place and Bronze in Quadrant.



Padmanaban K of II B.E Mech participated in the All India Inter University Sepak Takraw Tournament held at Manipur University, Canchipur, Imphal.

Ideation Programme - EDII TN



FXEC Data Science Industrial Applied Lab students attended the "Tamil Nadu Student Innovators Ideation Programme" - TNSI 2022 organized by AURCT-IEDP HUB funded by EDII-TN on 20.02.23 & 21.02.23 conducted at SCAD college of engineering and technology, Cheramandevi. Two teams of five students Titus Kopi R, Graham, Evangeline Jenifer of II year AI&DS, Sabeena Roshan and Anns Soniya

Mary of II CS&BS presented their Start up ideas on the topics Electrend- electricity usage notifier and Iris based voting system. Ms.Arunadevi, AP/AI&DS incharge of data science applied lab mentored the team. Dr.K.Jeyakumar, General Manager Development, Dr. Velmurugan, Principal, Mr. Krishna Kumar, GM (A) & Director-Applied labs, appreciated the students for their active participation.

STUDENT ACHIEVEMENTS



Saran S, Kamaljisiva M, Jameel Mohamed Ashiq S of III B.E Civil participated in the 'Confloot' competition - Civilisation'23 organized by Anna University Guindy, Chennai and won the first Prize.



T. Bharat Sridhar, M. Esai Selvan, J. Siva Subramanian, P.S. Somnath, G. Velayutham won the First Prize in Seize the Tune and J. Shrinivasan won the Second Prize in the Photography competition ZEUS'23 - A National Level Technical Symposium held at St. Xavier's Catholic Engineering College.



FXEC RANKINGS AND AWARDS



IDEATION Laboratory Students Visit Maxelerator Foundation - A Deep Tech Company

FXEC Ideation Lab 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 Team Elite Mindz from Ideation Lab visited Maxelerator Foundation – A Deep Tech Company, Madurai on 04.03.2023. The students Ms. Merlin Sneha II M.Tech IT, Ms. G. B. Kaladevi III B.Tech IT, J. Joel II CSBS, M. Arumugam II CSBS along with Dr. T. C. Subbu Lakshmi, Prof/IT, Tech Lead Ideation lab visited the Company. The visit was very useful to them as they are exploring practical applications of Deep Tech - AI and ML algorithms in various domains in Ideation Lab. The purpose of the visit was to have a support on detailed study of



implementation of ML algorithm in GPU. The Students learnt the basic setup of hardware, environment set up and configuring GPU for efficient execution of ML algorithms.

The Students and the Faculty interacted with the HR Ms.Naveena regarding the activities supported in Ideation Lab and future collaborations of Maxelerator with FXEC.

The session was very useful with the excellent technical support in the ML domain. The company showed their interest to collaborate with the Ideation lab in future.

Website Designing Using Wordpress and Wix

FXEC Department of Management Studies in association with Training and Skill Development organized mandatory skill training on Web Designing on 03-03-23 for 1 year MBA students from 9.00 am to 4.10 pm and the trainer of the event was Mrs J. Evangeline Kiruba, Assistant Professor MBA Department. The trainer explained WordPress as a content management system (CMS) that allows the hosting and building of websites. She further added that WordPress contains plugin architecture and a template system, so you can customize any website to fit your business, blog, portfolio, or online store. While talking about Wix, she said that it is a free, user-friendly, website-building platform. The



intuitive technology and powerful built-in features give the users the freedom to design professional websites with ease that look amazing on any device. After the explanatory session, the students were asked to design a website using WordPress and Wix and the trainer evaluated their website design.

Field Visit To Anne's Home for Physically Challenged

The field visit or field trip is an educational procedure by which each student gains information by observing the places, natural events and real – life information. A field visit to Anne's Home For Physically Challenged, Tirunelveli was organized for the 1 year CSBS students for the course Business Communication And Value Science I on March 3rd, 2023. The students provided stationeries like notebooks, pen, pencil, eraser, sharpener etc. to each of them. For Physically Challenged persons they gave soap (both washing and bath), towel, brush etc. They were happy after receiving the gifts from our students.

This trip will make them visit more NGO's and help the needy people. The objective of the field visit is to reinforce experiential and contextual learning. It helps the students to understand how the underprivileged like orphans, physically disabled and mentally retarded live in their communities and how they interact with others. It also helps them to learn how to provide services that will meet the needs of each individual person. The field visit was arranged by the instructor Dr.M.Kohila, AP/English under the activity code ACT/22-23/00181.

YRC Event

Blood Donation Camp' 23



Youth Red Cross wing of Francis Xavier Engineering College organized a Blood Donation Camp on 11th March 2023.



The FXEC - YRC is indebted to thank all the donors and the team from Tirunelveli Medical College Hospital for their support in conducting the camp.

Cyber Forensics Applied Lab - Special Initiatives Skill

FXEC Cyber Forensics Applied Lab conducted a four day workshop program on Hands on Product Development using Arduino & ESP8266 from 27/02/23 to 02/03/23 for III year students from this applied lab. The objective of this hands-on training is to get advanced experience in handling and developing Arduino and ESP8266 based Product Development for real time applications to solve core engineering problems. The Workshop was interactive and had both theory and practical sessions. On the first day, an introduction about the usage of Tinkercad was given. Different types of Arduino and sensors were introduced. On the second day of the workshop, the basics of real time product development using Arduino



and ESP8266 were discussed. On the third day, students learned and tested various real time applications based projects using Tinkercad and Arduino hardware. On the Fourth day, they used real hardware ESP8266 and Arduino microcontroller as well as various sensors to implement the real time product development applications. At the end of the training

program, the feedback was received from the students and an assessment test was also conducted. Students were advised to do a mini project at the end of the Skill Training programme. The Entire session was handled by Dr R Ravi Prof/CSE. Data science is the domain of study that deals with vast volumes of data using modern tools and techniques to find unseen patterns, derive meaningful information, and make business decisions. Data science uses complex machine learning algorithms to build predictive models. A training programme on data science essentials was given by the Data Science industrial applied lab. The skill training programme was scheduled from 27.02.2023 to 02.03.2023.

Industrial Visit To SPIC and V.O.C Port, Tuticorin

Department of Management Studies



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.



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

Mr. B. Pradheep T Rajan, AP/ ECE delivered the welcome address.

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.

Training On Java Script and jQuery

Java Script is an interpreted programming language, whereas jQuery is a library with APIs built for JavaScript. jQuery simplifies the use of the Java Script language. To impart the knowledge on Java Script and Jquery, FXEC Programming and Coding Lab organized the special initiative skill training on the topic "Java Script and jQuery" for the III Year Students. The training programme was organized for four days from 27th February 2023 to 02nd March 2023 under the skill code SK_AL_0034. A total of 36 Students from the Programming and Coding Lab attended the training. The students were trained on the topics: Java Script Function, arrow function, JS Arrays, JS Array Methods, JS Objects, JS Events, JS JSon, the spread



operator, Function Rest Parameter, JS Async - JS Callbacks, JS Asynchronous Promises, JS Async/Await, JS HTML DOM, JS Web APIs and Local Storage, jQuery Introduction, jQuery Selector, jQuery Events, jQuery Effects, jQuery Html. At the end of every day, students submitted a mini project as their assignment. At the end of the first day, students submitted an individual assignment program on the topic "Cricket Match Winning Prediction". At the end of the second day, the students submitted the assignment program on the topic "Bank Loan Interest Calculator" and at the end of the third day students submitted the assignment program on the topic "Chit Calculator". On the final day, students submitted their individual project. The programme was coordinated by Dr. E. Manohar under the guidance of Dr. K. Lakshmi Narayanan, Applied Lab Vertical Head and Mr. S. Krishna Kumar, Director, Applied Labs.

EVENT



The Faculty Members from CSE Department attended the Cyber Conference - 2023 organized by the Tamil Nadu Police Department at Tirunelveli.