

**From the Director`s Desk**

I am pleased to present the March Newsletter of IcfaiTech to our avid readers. This newsletter showcases the success of our internship program in allowing our students the possibility to showcase their skills and talent at high-level events and platforms. I will advise all the students currently pursuing their internship to use the opportunity in enhancing their technical, communication, and team-building skills.

I congratulate the Student Affairs team and our dear students for successfully organizing and concluding **Illuminate 2023- the annual sports** event of the Faculty of Science and Technology. I congratulate all the students who participated in various sports events, and I am sure you all must be rejuvenated. Sports enhance physical abilities, mental health, and courage to take action. It also improves reflexes and team skills. I hope our next annual sports event will witness more participation from students. I applaud all our students, alumni, and faculty members whose achievements adorn the March newsletter.



**Dr. K. L. Narayana**  
Director, IcfaiTech, Hyderabad

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**The Dept. of Computer Science and Engineering**

Title: Human Activity Recognition using Machine Learning Models

Title: Introduction to Virtualization and Integration of Cloud with IoT

Title: Vulnerability Analysis of Information Solicitation Process in RPL based IoT

Title: Data Integrity Protection using Multi Level Reconstructive Error Data and Auditing for Cloud Storage

**The Dept. of Data Science and Artificial Intelligence**

Title: A hybrid model for forecasting stock prices using Bayesian and LSTM

Title: I-LAA: An Education Chabot

Title : EMOTION BASED SONG RECOMMENDATION SYSTEM

**The Dept. of Electronics and Communication Engineering**

Title: The Achievable rate offered by OMA and NOMA Techniques

Title: Fractal Array Antennas: CERSAG Design Methodology

Title: DC-DC converters control strategies for PV applications

Title: Robust, Efficient, and Low Profile Fractal Enabled EBG Incorporated Wearable Antenna for WLAN Standards.

**The Dept. of Mechatronics Engineering**

Title: Characterization of Microstructural Anisotropy in 17-4 PH Stainless Steel Fabricated by DMLS Additive Manufacturing and Laser Shot Peening.

Title of the presentation: Prediction of Personality Type with Myers Briggs Type Indicator using DistilBERT.

Title of the presentation: An Investigation into Chronic Kidney Disease based-on Classification Model

**The Dept. of Mathematics and English**

Title: Curriculum Design Aspects for the 21st Century Hybrid Classrooms: Exploratory Study



**Illuminati 2023 (Sports event) of FST:**

ICFAI tech (Faculty of Science Technology) organized a two-day sports fest named, ILLUMINATI for the academic year 2022-23. The events were held on 31-03-2023 & 01-04-2023 at IFHE campus, Hyderabad. The events were inaugurated by ICFAI Tech director- Dr.K.L Narayana by lighting the torch for relay. The fest has been organized to promote the spirit of sportsmanship and provide platform for budding and enthusiastic sports persons.



A wide range of indoor and outdoor sports were organized, namely Basketball, Cricket, Kabaddi (Girls), Kabaddi (Boys), Badminton, Volleyball, Football, Throw ball, Athletics, Tennis, Chess, Caroms, Table tennis. Few games like Kabaddi and cricket gripped the audience with great sense of thrill. Students exhibited great enthusiasm and positive competitive spirit. Most of the games showcased nail biting challenges throughout the game. The FST's sport unit prioritized the provision of all the necessary resources for the smooth conduction of the events, a student coordinator and a faculty coordinator were allotted for each of the sport. ICFAI Tech admin and FST's sports unit have extended their support for the successful completion of the events.



**Event on Leverage IEEE Xplore new features:**

NDLI Club conducted an event on Leverage IEEE Xplore new features through ASPP and POP all package for doing research work effectively at the FST auditorium 15th March. The session was delivered by Mr. M S Srinivasa, Training Manager, IEEE. The event witnessed participation by all the faculty members of the Faculty of Science and Technology. At the end of the session, a quiz was conducted. Dr. Laxmi, Associate Professor, Dept. of DSAI and Dr. S Kaushik, Associate Professor, Dept. of CSE won the first and second prize respectively in the quiz competition.

**Alumni Achievements:**

Mr. Venkat Sai Sagar, our alumni from the Dept. of Computer Science and Engineering, 2018-22 batch has developed a tool called "S3N" (SAGAR'S SCANNING AND SNIFFING THE NETWORK Tool for Script kiddie's). It is powerful tool to help that can facilitate network scanning and network sniffing. The tool is designed specifically for those interested in exploring the depths of network activity. With its advanced scanning capabilities, one shall be able to identify all the devices connected to a network, including their IP addresses and open ports. And with its powerful sniffing features, you'll be able to monitor network traffic and analyse packets for valuable information. More details about the tool may be found on the githublink <https://lnkd.in/g/WifYMQx>.





**Student Achievements:**

Three Mechatronics Engineering students Mr. Kaushik Gogi bearing Enrolment No. 19STUCHH010071, Mr. Chella Arya bearing Enrolment No. 19STUCHH010187 and Mr. G Gowri Sankar bearing Enrolment No. 19STUCHH010248



Mr. Kaushik Gogi



Mr. Chella Arya

are likely motivated and enthusiastic individuals with a strong interest in robotics, automation, and control systems on internship with MSPL had the unique opportunity to visit the **Research Centre Imarat (RCI) at the Dr. A.P.J Abdul Kalam Missile complex**. The students were given a tour of RCI's

state-of-the-art research facilities, which included a variety of labs, testing areas, and manufacturing units. During the visit, the students were exposed to advanced technologies in the fields of electronics, robotics, and missile systems. The RCI, a premier



Mr. G Gowri Sankar



laboratory of the Defense Research and Development Organization (DRDO), is dedicated to the design, development, and production of missile systems for India's defense forces. This visit offered the students a rare chance to witness first-hand the cutting-edge research and innovation in the field of mechatronics and defense technology.



Mr. Segu Karthikey

**Mr. Segu Karthikey** bearing Enrolment No. 19STUCHH010016, pursuing his internship in HEAMAC Healthcare Pvt. Ltd showcased the company's cutting-edge medical equipment during the Medcall 2023 Hyderabad exhibition during

March 17th - 19th 2023 and received a warm reception from attendees. The student demonstrated his technical expertise by highlighting the unique features and benefits of HEAMAC's products. The professionalism and enthusiasm of the Mr. Segu impressed the audience and garnered a positive response, resulting in a good applause. Overall, the student along with Ms. Akitha, Co-founder and other Senior Employees of the organization demonstrated a strong work ethic and a desire to make a positive impact in the medical field through their internship at HEAMAC and their participation in the Medcall 2023 Hyderabad exhibition. The Medcall exhibition, organized by Medexpert Business Consultants Pvt. Ltd and promoted by Dr.



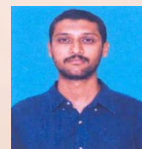
Manivannan S. the exhibition is India's largest B2B medical equipment exhibition, providing an excellent platform for companies to showcase their latest products and services. The exhibition also offers visitors the opportunity to find the right products and companies that best suit their needs.



Dr. Soloman Raju

**Faculty Achievements:**

**Dr. Soloman Raju Thokala and Dr. Shreecharan**, Assistant Professors, Dept. of Physics, co-authored article titled "Time-dependent non-Abelian waves and their stochastic regimes for gauge fields coupled to external sources" got published in Physical Review D of American Physical Society on 9th March 2023. The journal has an impact factor of 5.407.



Dr. Shreecharan



Dr. Syed Quadir Moinuddin

**Dr. Syed Quadir Moinuddin**, Assistant Professors, Dept. of Mechatronics published an article titled "Analysis on Bonding Interface during Solid



State Additive Manufacturing between 18Cr-8Ni and 42CrMo4 High Performance Alloys" MPDI Journal of Metals, Vol. 13 Issue 3, SCI indexed.



**Dr. Syed Quadir Moinuddin**, Assistant Professors, Dept. of Mechatronics delivered an Expert talk in an FDP on "Modern Manufacturing in Industry 4.0 (MMI-2023)" organized by NIT Delhi

**Ms. Mallavarapu Sandhya**, Assistant Professor, Dept. of ECE participated in an Online Faculty Development Programme on "RECENT TRENDS IN ANTENNA ENGINEERING AND ITS APPLICATIONS" sponsored by Ministry of Electronics and Information Technology (MeitY) and organized by E&ICT Academy, NIT Warangal and Rajalakshmi Institute of Technology Chennai - 600124 (Tamil Nadu) during 13th -23rd February 2023.







Dr.S Kaushik

Dr. S Kaushik, Associate Professor, Dept. of CSE, participated in the Indo-US Workshop on AI & DS organized at the Mahindra



University, Hyderabad on 17th March 2023

Dr. S Kaushik, also published a research article titled “Hybrid gated recurrent unit and convolutional neural network-based deep learning mechanism for efficient shilling attack detection in social networks” in SCIE-index Elsevier Computers and Electrical Engineering journal during May 2023. The journal has an impact factor of 4.15.

#### Faculty Seminars:

##### Dept. of Computer Science and Engineering

1.Title: Human Activity Recognition using Machine Learning Models

Speakers: Dr. R.Balamurali , Ms. Pallavi Mishra

Date: 3<sup>rd</sup> March 2023

2.Title: Introduction to Virtualization and Integration of Cloud with IoT

Speakers: Dr. S. Kaushik

Date: 9<sup>th</sup> March 2023

3.Title: Vulnerability Analysis of Information Solicitation Process in RPL based IoT

Speakers: Dr. Rashmi Sahay and Mr. C Gaurav Sushant

Date: 16<sup>th</sup> March 2023

4.Title: Data Integrity Protection using Multi Level Reconstructive Error Data and Auditing for Cloud Storage

Dr. Seetharamulu Banoth and Dr. S. Kaushik

Date: 30<sup>th</sup> March 2023

##### Dept. of Data Science and Artificial Intelligence

1.Title: A hybrid model for forecasting stock prices using Bayesian and LSTM

Speaker's: Dr. P Rohini and Mr. Faizan Mohammed

Date: 3<sup>rd</sup> March 2023

2.Title: I-LAA: An Education Chabot

Speaker's: Uddaraju Sai Pranav , Vangaveti Likhita ,Dr. P. Pavan Kumar,

Date:10<sup>th</sup> March 2023



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<https://www.facebook.com/IcfaiTech/>



<https://in.linkedin.com/company/icfaitech>

3.Title : EMOTION BASED SONG RECOMMENDATION SYSTEM  
Speakers's: Mr. Alluri Raghav Varma , Prof.Sathya A.R  
Date: 20<sup>th</sup> March 2023

##### Dept. of Electronics and Communication Engineering

1.Title: The Achievable rate offered by OMA and NOMA Techniques

Speaker: Dr. S. Shakeel Hashmi

Date: 8<sup>th</sup> March 2023

2.Title: Fractal Array Antennas: CERSAG Design Methodology

Speaker: Dr. V. A. Sankar Ponnappalli

Date: 17<sup>th</sup> March 2023

3.Title: DC-DC converters control strategies for PV applications

Speaker: Dr. Sudheer H

Date: 23<sup>rd</sup> March-2023

4.Title: Robust, Efficient, and Low Profile Fractal Enabled EBG Incorporated Wearable Antenna for WLAN Standards.

Speaker: Mallavarapu Sandhya

Date: 29<sup>th</sup> March 2023

##### Dept. of Mechatronics Engineering

1.Title: Characterization of Microstructural Anisotropy in 17–4 PH Stainless Steel Fabricated by DMLS Additive Manufacturing and Laser Shot Peening.

Speaker: Dr. Syed Quadir Moinuddin

Date: 17<sup>th</sup> March 2023

2.Title of the presentation: Prediction of Personality Type with Myers Briggs Type Indicator using DistilBERT.

Speaker: Dr. G. Suresh Kumar

Date: Friday, 24<sup>th</sup> March 2023

3.Title of the presentation: An Investigation into Chronic Kidney Disease based-on Classification Model

Speaker: Dr. A. Chandrasekhar

Date: 28<sup>th</sup> March 2023

##### Dept. of Mathematics and English

1.Title: Curriculum Design Aspects for the 21<sup>st</sup> Century Hybrid Classrooms: Exploratory Study

Speakers: Dr. Swathi M

Date: 21<sup>st</sup> March 2023



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