

# ICFAITECH NEWSLETTER

## From the Director's Desk

**November 2024**



I am immensely pleased to share the exciting developments and achievements shaping the dynamic environment at ICFAITech (IFHE). Over the

past few weeks, we have achieved outstanding milestones in research, academia, industry collaborations, and student success. These accomplishments reflect our collective commitment to academic excellence and innovation.

Our faculty's research publications continue to make significant contributions across various fields. Notable examples include impactful papers authored by Dr. Asisa Kumar Panigrahy, Dr. Swamy Bairi, Dr. Anjanna Matta, Dr. Barla Madhavi, and Dr. Suresh Kumar Grandhi. These publications enhance our academic standing and advance knowledge across disciplines. Additionally, we celebrate the remarkable achievement of Dr. Ashwin Kumar Myakalwar in securing a substantial research grant from ISRO, underscoring our growing presence on the global research stage.

Our students also continue to excel, achieving impressive milestones. I congratulate Miss Bandaru Anusha, Miss M.S. Rashmika, and Mr. P. Sai Srinath Reddy for securing second place in the National Level Project Competition. Their success highlights the exceptional caliber of students we nurture at ICFaiTech.

Our collaboration with the University of East London (UEL) further strengthens our commitment to fostering international connections. The event "Empowering Global Connections: UEL Dean's Outreach for Student Success and Industry Collaboration" marked a significant step toward creating pathways for our students and faculty to engage globally. This partnership opens up new opportunities in education and industry collaborations, enriching our academic programs and student experiences.

Workshops and events such as the 3D Scanning for Virtual Prototype Workshop and the IFHE Training Workshop - From Idea to Startup continue to provide our community with cutting-edge knowledge and skills, inspiring the next generation of innovators and entrepreneurs.

We are honored to be recognized as the "Promising Private University for Research in India" at the 7th Industry-Academia Annual Conclave 2024. This accolade is a testament to the tireless efforts of our faculty and staff in advancing research and bridging the gap between academia and industry.

As we continue to grow, we must remain steadfast in our commitment to excellence in everything we do. I am incredibly proud of the hard work and dedication our faculty, students, and staff demonstrated in pushing the boundaries of knowledge and fostering a culture of innovation and collaboration.

Let us continue working together to shape a future where academic excellence, research, and industry partnerships remain at the core of our mission.

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

## Faculty achievements

### Research Publications

**Dr. Asisa Kumar Panigrahy**, Associate Profes-



sor, Dept. of ECE, published two research articles titled “Nanoscale Recessed T-gated ScAlN/GaN-HEMT on SiC Wafer with Graded Back-barrier and

Fe-doped Buffer for Future RF Power Amplifiers: A Simulation Study” in Journal of the Korean Physical Society and “[An Organic Thin-Film Transistors \(OTFTs\) With Steep Subthreshold and Ultra-Low Temperature Solution Processing for Label-Free Biosensing](#)” in IEEE Xplore.

**Dr. Swamy Bairi**, Assistant Professor, Department of English, published a research article titled “ESL Student-Teachers' English Proficiency: Analyzing the Quality of a Proficiency Test Instrument” in The IUP Journal of English Studies.



**Dr. Anjanna Matta**, Associate Professor, Department of Mathematics, published a research article titled “The Effect of Short and Mass Flow in a Double-Diffusive Analysis of Maxwell Fluid Flow



Through a Horizontal Porous Layer” in the Journal of AIP Conference Proceedings.

**Dr. Barla Madhavi**, Senior Assistant Professor, Department of Mechanical Engineering, published a research article titled “Wear Studies On Friction Stir Processed Surface Modified AZ61 Magnesium Alloy With Nano Titanium Oxide.” in Canadian Metallurgical Quarterly: The Canadian Journal of Metallurgy and Materials Science.



**Dr. Suresh Kumar Grandhi**, Associate Professor, Department of Mechanical Engineering, published a research article titled “Exploring Welded Joint Integrity Using Microstructural Characterization Using Deep Encoders” in IEEE Xplore.



## Faculty achievements

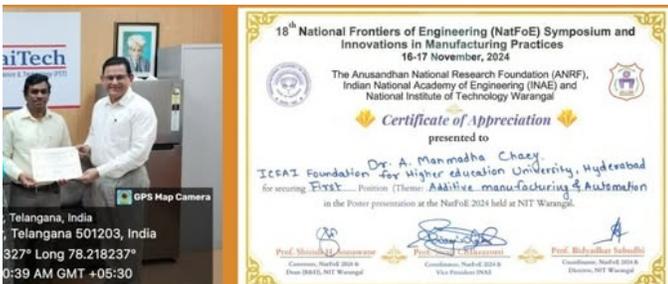
### Research Funds and Sponsorships

Dr. Ashwin Kumar Mykalwar, Associate Professor, Department of Physics, has received a project fund of Rs. 24.67 Lakhs for the topic “Development and Realization of Effective Calibration-Free Analytical Algorithm for LIBS Spectra” under the Scheme 'RESPOND Project', Indian Space Research Organisation (ISRO), Department of Space, Government of India.



### Paper Presentations

Dr. A. Manmadha Chary, Associate Professor, Department of Mechanical Engineering, secured the first position in the poster presentation on the theme “Additive Manufacturing and Automation” at the 18th National Frontiers of Engineering (NatFoE) Symposium and Innovative Manufacturing Practices (IMP-2024), held at National Institute of Technology, Warangal.



### Participation

Dr. Asisa Kumar Panigrahy, Associate Professor, Dept. of ECE, attended a webinar on “Design of Flexible Antennas for Biotelemetry” organized by ANSYS on 15 November 2024.



### Faculty Seminars:

Dr. Avinash Malladi, Associate Professor, Department of Mechanical Engineering, gave a faculty seminar on “Hybrid Metal Additive Manufacturing: Technology and Applications” on 08-11-2024.



Dr. Suresh Kumar Grandhi, Associate Professor, Department of Mechanical Engineering, gave a faculty seminar on “Hybrid CNN-Fuzzy Logic Model for Adaptive Traffic Signal Control in Vehicular Networks” on 13/11/2024.



# Student Achievements



**Bandaru Anusha**  
(21STUCHH010667)



**M.S. Rashmika**  
(22STUCHH011015)



**Sai Srinath Reddy**  
(22STUCHH010952)

The above students from the Department of Mechanical Engineering, won the 2nd prize in the National Level Project Competition on “Innovations in Manufacturing Practice” organized by the Indian National Academy of Engineering (INAE), held at the National Institute of Technology, Warangal. The team received a cash prize of Rs. 20,000/-. The director and the faculty of IcfaiTech congratulate the students for their achievement.



## Events

### 3D Scanning for Virtual Prototype Workshop:

The Centre of Excellence in Robotics & Advanced Manufacturing, Department of Mechanical Engineering of IcfaiTech, organized



a One Day Workshop (Offline) on “3D Scanning for Virtual Prototype” on 25 November 2024. In this workshop, the eminent speakers from top 3D Scanning and 3D Printing Companies delivered lectures on various aspects of the topic. Dr. A. Manmadha Chary coordinated this event.

The workshop was graced by the presence of Mr. Yogendra Srivastava - founded VSD-3D,



Hyderabad.

Mr. Yogendra, highlighting the pivotal role of 3D

Scanning technologies in modern industrial applications. He explained the various projects solved by 3D Scanning and fabricating of sophis-



ticated products, maximize materials saving, and customize products while benefitting from low costs.

He explained about different machines and methods exist to 3D scan objects like Laser 3D scanning, Photogrammetry and Structured Light Scanning. He explained on selection of the best 3D scanners for various applications. The Director felicitated him after his vivid and enriching presentation about the 3D printing.



## Events

### **IFHE Training Workshop – From Idea to Startup:** **15 October 2024 02:00 pm - 05:00 pm**



The IFHE Training Workshop, From Idea to Startup, was held on the 93rd birth anniversary of Dr. A.P.J. Abdul Kalam to honor his contributions to science, innovation, and nation-building. The workshop aimed to inspire young minds to



networking opportunities, and practical strategies for turning ideas into startups. It was a resounding



success, with positive feedback and a lasting impact on participants.

embrace entrepreneurship, creativity, and innovation. Keynote speakers, including Dr. Suvrokamal Dutta, Mr. Dhruv K Gera, and Mr. Varada Rajan Krishna, shared insights on strategic thinking, creativity, and entrepreneurial success. The event featured interactive sessions,



## Events

### **Nukkad Naatak Day:** **21st November 2024, Location: FST Lawn,** **Organized By: Spotlit Club**

The Nukkad Naatak on Drug Awareness, organized by the Spotlit Club, aimed to raise awareness about the dangers of drugs through powerful portrayals of real-life scenarios where students can easily fall into addiction. The event, held at the FST entrance lawn, was promoted through social media and email, leading to high student,



faculty, and staff participation. Distinguished guests, including Dr. Vijaya Lakshmi, Dr. Murali, and Dr. Anjan Matta, attended the event, adding value and motivation. The performances were



well-received, with the event successfully managing the large turnout and leaving a lasting impact in promoting drug awareness.



## Events

### Academic delegation visit to IcfaiTech from VCU: 7th November 2024



An academic delegation from Virginia Commonwealth University (VCU), USA, visited IcfaiTech, Icfai Foundation for Higher Education (IFHE), Hyderabad, on 7th November 2024. The delegation included Dr. John E. Speich, Dr. Preetam Ghosh from VCU, and Dr. Shivaprakash Aduvalli Ramaswamy, the India Coordinator for VCU. The visit was part of the ongoing MOU between IFHE and VCU. During the visit, discussions were held on collaborative projects, internships, accelerated programs, student and faculty exchanges, capacity building, and research collaborations between the universities.

The delegation also explored prospective academic collaborations, including opportunities for IcfaiTech students to complete their undergraduate studies at IcfaiTech and postgraduate studies at VCU. IcfaiTech students engaged in detailed discussions about study abroad options, international careers, immigration, the MS in Engineering program at VCU, and how they could benefit from the collaboration. Dr. John E. Speich shared valuable insights on engineering education and research with faculty, staff and scholars.



## Events

### Recognition as “Promising Private University for Research in India”:

We are pleased to announce that **ICFAI Foundation for Higher Education (IFHE)** has been recognized as the “**Promising Private University for Research in India**” at the **7th Industry-Academia Annual Conclave 2024**, organized by the **Federation for World Academics (FWA)** and **Education Post News (EPN)**. The event, held on November 9, 2024, at Hyatt Regency,



New Delhi, centered on the theme “Employment & Employability: Ascending the Curve.” It brought together 200 delegates, including aca-

ademic leaders, industry experts, and entrepreneurs, to discuss bridging the gap between education and the job market. The conclave featured 20-panel discussions on topics such as the future of work and key 21st-century skills. The event was attended by 50 Vice Chancellors, Directors, and Principals, as well as venture capitalists exploring new startups and ideas. IFHE was honored to be a proud partner in this significant gathering.



## Events

### A Visit to Ornate Solar, Delhi

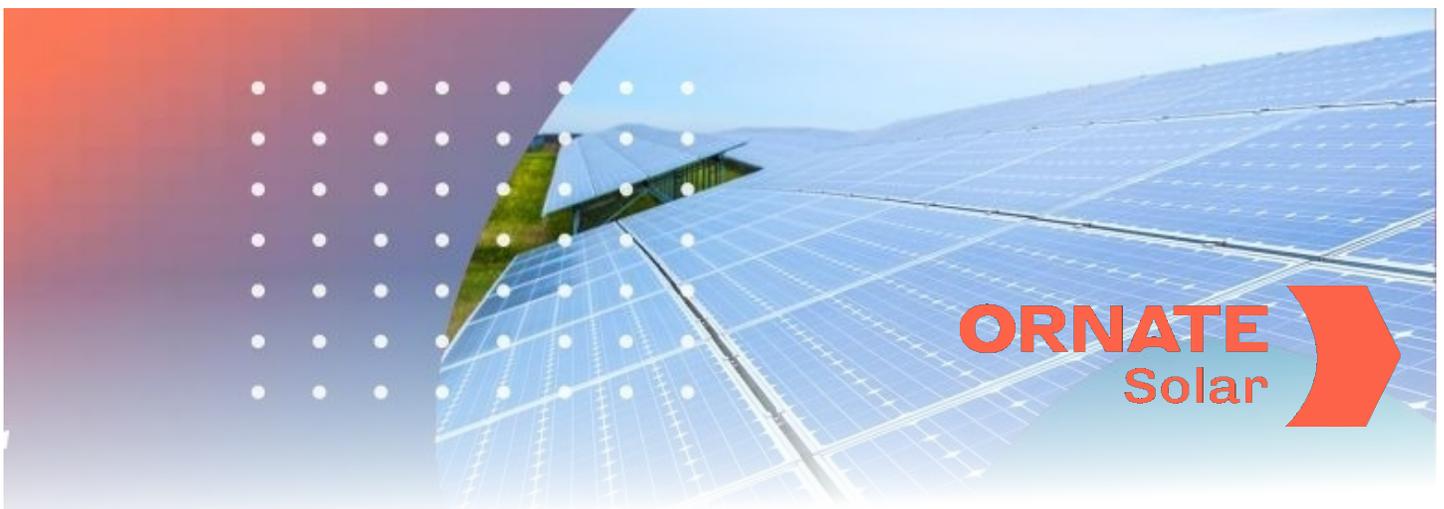
On 15th November 2024, the Director and faculty members of IcfaiTech visited **Ornate Solar in Delhi** to explore potential collaboration opportunities. During their visit, they had in-

student internships, and collaborative projects were explored in detail, emphasizing harnessing the synergies between the academic and industry sectors. This visit aimed to foster stronger ties



depth discussions with Dr. Bidyut Bhattacharya, the company's key executive, and other senior members of the Ornate Solar team. These discussions focused on identifying areas where IcfaiTech and Ornate Solar could work together to drive innovation and growth. Topics such as research partnerships, technology development,

between IcfaiTech and Ornate Solar, contribute to advancing sustainable energy solutions and create valuable learning opportunities for students and faculty alike. The collaboration holds significant potential for both parties, particularly in areas related to renewable energy and technology-driven solutions.



## Events

### **Empowering Global Connections: UEL Dean's Outreach for Student Success and Industry Collaboration** **Date: 20th November 2024**



**University of  
East London**

The **ICFAI Foundation for Higher Education (IFHE)**, a Deemed-to-be University under Section 3 of the University Grants Commission (UGC) Act, 1956, hosted a crucial academic event on **20th November 2024**, welcoming distinguished delegates from the **University of East London (UEL)**—the event aimed at strengthening academic ties and fostering global collaborations in education and industry.

#### **Key Figures:**



- **Prof. Fatima Annan-Diab**, the Executive Dean of the Royal Docks School of Business and Law at UEL, played a central role in representing the university's commitment to academic excellence and global outreach.
- **Dr. David Tann**, the Dean of the School of



Technology, Computing, and Engineering and Vice-Provost at UEL, also contributed to the event's vision, emphasizing technological advancement and collaborative opportunities.

#### **Event Overview:**

The "Empowering Global Connections: UEL Dean's Outreach for Student Success and Industry Collaboration" sought stronger academic partnerships between UEL and IFHE, emphasizing the mutual benefits for students and industry connections. The goal was to explore opportunities to align the educational experiences at both institutions, helping students succeed in a



competitive global environment.

## Events

### Collaborations:

The event was organized in collaboration with **Orient Spectra Consulting Pvt. Ltd.**, a consulting firm that significantly facilitated this international engagement. This initiative marked



a pivotal step in **expanding global academic networks** and promoting **industry collaborations** that benefit students, researchers, and faculty alike.

### Impact:

This collaboration can advance the academic standards, research initiatives, and industry partnerships between IFHE and UEL. It also allows students to gain international exposure,



enhancing their career prospects in a globally connected world.

**ICFAI** Foundation  
for Higher Education  
(Deemed to be University under Section 3 of the UGC Act, 1956)

**Orient Spectra**  
Abroad Education Simplified

**GLOBAL  
COLLABORATION**

 **University of  
East London**

## Events

### **Crafting Stories:** An interview with the Founder of Guru Films **“Sunitha Tati.”**

FST hosted a guest lecture by [Ms. Sunitha Tati](#), the visionary founder of Guru Films, on 18th



November at the FST Auditorium. Known for her dynamic work in the film industry, Ms. Tati shared her inspiring journey marked by resilience, creativity, and dedication to storytelling. The lecture, which ran from 3:30 PM to 4:30 PM, provided deep insights into the power of storytelling and the importance of perseverance in overcoming challenges. Ms. Tati emphasized creativity's role in filmmaking and its ability to inspire and impact society. The session motivated the audience, offering valuable guidance for pursuing passions with determination and innovation.

**CRAFTING STORIES**

[admissions.icfaitech@ifheindia.org](mailto:admissions.icfaitech@ifheindia.org)

**Location: IcfaiTech, IFHE Campus,  
Dontanpally, Shankarpally,  
R.R Dist, Hyderabad - 501 203  
Phone: 040 - 23479725 / 040 - 23479732  
Mobile: 8499848444,  
Call/Whatsapp: 9010377002**

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### Editorial Team

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