



# ICFAITECH NEWSLETTER

February 2025



*From the Director's Desk*

I am delighted to share the exceptional achievements and engaging events that continue to shape the vibrant academic community here at ICFAITech. Our faculty members have demonstrated remarkable dedication to advancing knowledge and pushing the boundaries of research, contributing to their fields and the global academic discourse.

This month, we celebrate the remarkable work of Dr. A. Chandrasekhar and Dr. Suresh Kumar Grandhi, who have both published outstanding research in prestigious journals. Dr. Chandrasekhar's paper on basalt fiber reinforced polymers, and Dr. Grandhi's groundbreaking work on the machinability of smart hybrid composites are just a few examples of our faculty's contributions to cutting-edge research. Their work inspires us all, underscoring the importance of pushing the frontiers of knowledge.

I would also like to commend our faculty, who have contributed to the academic community through peer reviews and certifications. Dr. Sudheer Hanumanthakari and Dr. A. Manmadha Chary have enriched their academic expertise and helped shape the future of research through their thoughtful reviews. Meanwhile, several faculty members have achieved significant certifications in emerging technologies, displaying our commitment to lifelong learning and professional growth.

Our students also continue to shine. In recent workshops and events like Level Forge: Craft Your Game World, organized by the GDC Club, students gained invaluable hands-on experience in game development, utilizing industry-standard tools like Unity and Blender. Additionally, the Science Day event, which featured interactive activities and lab tours, gave students from local schools a glimpse into the world of advanced technologies, encouraging them to dream big and consider careers in engineering and technology.

We are proud of the many ways in which our faculty and students continue to excel, contribute, and inspire. Through these collective efforts, we create an environment that encourages innovation, collaboration, and continuous learning.

Thank you for your ongoing commitment to academic excellence and for making ICFAITech a hub of intellectual and professional growth. Let us strive for excellence, support each other's achievements, and work together to shape a brighter future.

Warm regards,

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

## FACULTY ACHIEVEMENTS



### Research Publications

**Dr. A. Chandrasekhar**, Associate Professor, Dept. of Mechanical Engineering, published a research paper titled "Exploring the Performance

Dynamics of Basalt Fibre Reinforced Polymers: Mechanical and Viscoelastic Insights" in the Journal of Polymer and Composites.

**Dr. Suresh Kumar Grandhi**, Associate Professor, Department of Mechanical Engineering, published a research paper titled



Enhanced Mechanical Properties and Machinability of Al-Cu-SiC-GNP Smart Hybrid Composite Using Machine Learning Optimization" in the Arabian Journal for Science and Engineering and Dr. Suresh Kumar Grandhi, Associate Professor, Department of Mechanical Engineering, published a research paper titled "Optimization and "Comparative Analysis of Machining Performance of Al-Cu-SiC-GNP Composite: Influence of Reinforcement Variations Using Machine Learning, RSM and ANOVA Validation" in the Advanced Engineering Materials.

### Paper Review

**Dr. Sudheer Hanumanthakari** Associate Professor, Department of Electronics and Communication Engineering,

reviewed a research paper for the International Journal of Electrical Power & Energy Systems.

**Dr. Soumit Samadder Chaudhury**, senior assistant professor, Department of Electronics and Communication Engineering, reviewed a research paper in IEEE SoutheastCon 2024 in Atlanta, GA, USA.



**Dr. A. Manmadha Chary**, Associate Professor, Department of Mechanical Engineering, reviewed an article titled "High-strength of

additive-manufactured PEEK and Ti6Al4V structure via warm isostatic pressing: Applications in medical implants and injection molds" for the Journal "Virtual and Physical Prototyping".

**Dr. Suresh Kumar Grandhi**, Associate Professor, Department of Mechanical Engineering, reviewed a research paper for the Asian Journal of Research in Computer Science.





## FACULTY ACHIEVEMENTS

### Certification

**Dr. Sudheer Hanumanthakari**  
Associate Professor,  
Department of Electronics and  
Communication Engineering,

completed the AICTE-QIP-PG Certificate Programme in 'Machine Learning' from IIIT Raichur.



**Dr. A. Manmadha Chary,**  
Associate Professor,  
Department of Mechanical  
Engineering, completed the  
AICTE- Quality Improvement



Programme (QIP) Post Graduate (PG) Certification in Artificial Intelligence & Machine Learning (AIML) at the Indian Institute of Information Technology (IT) Nagpur, January 2025.

### Jury Member

**Dr. V. A Sankar Ponnappalli** Assistant Professor, Department of ECE, acted as a Jury Member in



CMR HACKFEST 2.0 (36 Hours National Level Hackathon) at CMR College of Engineering & Technology Hyderabad from 31 January & to 1 February 2025.

### Paper Presentations

**Dr. Asisa Kumar Panigrahy** Associate Professor, Dept. of ECE, presented a research paper titled "Design and Analysis of Gate Stack 7nm Triple Material Gate Nanosheet FET for Low Power Application" in the 5<sup>th</sup> International Conference on Micro/Nanoelectronics Devices, Circuits, & System, (Hybrid Mode), 29-31 Jan 2025, Department of Electronics and Communication Engineering, NIT Silchar, India.





## FACULTY ACHIEVEMENTS



### Paper Presentations

**Ms. Manasa Veena**, a Research scholar at the Department of Chemistry, presented a poster titled "Recent Developments in Multifaceted Applications of Metal Oxide Nanomaterials" at the ICBIT International Conference on Biotechnology and Interdisciplinary Technologies (CBIT Hyderabad).



### Participation

**Dr. Sudheer Hanumanthakari**, Associate Professor, Department of Electronics and Communication Engineering, participated in



"Generative AI & Use Cases," a 40-hour (3-Credits equivalent) online training program" with an "Excellent" grade. Sponsored by MeitY and endorsed by AICTE/UGC.



**Mr. Arram Sriram**, Assistant Professor, Department of DS & AI, participated in a Five Day Professional Development Programme on "IoT Security



and Security Operations Center (SOC) Practices" organized by the Dept. of CSE (CS & DS) and AI & DS, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad from 20<sup>th</sup> January 2025 to 24<sup>th</sup> January 2025.

### Faculty Seminar



**Dr. A. Manmadha Chary**, Associate Professor, Department of Mechanical Engineering gave a faculty seminar on "Comparative Analysis of Machine Learning Algorithms for Diabetes Risk Classification"





## EVENTS

### Report on Science Day

**Date:** 28th February 2025

**Venue:** FST Auditorium

**Organized by:** IcfaiTech

ICFAITECH hosted an educational visit for students from government schools organized by the Paritantra Club. The event aimed to expose students to advanced technologies, interactive activities, and modern learning environments, fostering cognitive and emotional growth.



The visit included:

- **Book Distribution:** The university's first director distributed books to encourage reading and continuous learning.
- **Interactive Activities:** Students participated in a word puzzle and quiz, stimulating problem-solving skills and teamwork, followed by an entertainment session by senior student Shushik.
- **Lab Visits:** Students toured the Digital Fabrication Lab and Mechatronics Lab, gaining hands-on experience in 3D printing, lathe machines, and automation systems.

The visit concluded with a reflection session where students and teachers shared their positive experiences. The event was a success, broadening the students' academic perspectives and inspiring them to explore careers in engineering and technology.



## EVENTS

### Level Forge: Craft Your Game World

**Organized by: GDC Club**

**Date: 6<sup>th</sup> and 7<sup>th</sup> February 2025**

In collaboration with Born Monkey, the GDC Club organized a two-day workshop, Level Forge: Craft Your Game World, to provide students with a comprehensive introduction to game development. The workshop focused on key aspects of the gaming industry, offering practical sessions on game programming, game art, design, and production. Students had the opportunity to use Blender for game art and Unity for game programming, gaining hands-on experience with industry-standard tools.

On Day 1, V.K. Samhith and Sri Samveda from Born Monkey shared their insights on entering the gaming industry and provided sessions on game programming, game art, and the production process. A quiz was held to assess students' understanding, and the top 50 performers advanced to Day 2.



Day 2 was dedicated to hands-on workshops, where students explored game art creation in Blender and game mechanics in Unity with guidance from professionals. The event had a significant impact, motivating students to pursue careers in game development and deepening their understanding of the gaming world.

The workshop concluded with a vote of thanks to the guests and organizing team, encouraging students to stay involved with the GDC Club for future events.





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