

# ICFAITECH

## NEWSLETTER

April  
2025

### From the Director's Desk



It gives me immense pleasure to share the remarkable achievements and activities of our esteemed faculty and students in this edition of the newsletter. The past quarter has been a period of vibrant academic engagement, collaborative learning, and commendable scholarly contributions.

Our faculty members have demonstrated their unwavering commitment to research and innovation through numerous high-quality publications in reputed journals and conference proceedings. Notably, Dr. A. Chandrasekhar from the Department of Mechanical Engineering has contributed significantly to the field of composite materials and 3D printing technologies. Faculty from the Departments of CSE and DSAI have collaboratively published research in emerging technologies like blockchain and copyright systems, underscoring our institution's interdisciplinary focus.

It is also heartening to see our faculty actively engaging in national and international academic forums. The insightful paper presentations by Dr. Asisa Kumar Panigrahy and Dr. Pijush Panday at prestigious conferences not only reflect their expertise but also elevate the academic reputation of our institution.

I also congratulate Dr. Pijush Panday for successfully completing a 12-week NPTEL-AICTE FDP—another step in our collective pursuit of academic excellence and lifelong learning.

Special mention must be made of the **Workshop on Design Thinking, Critical Thinking & Innovation Design** held on 7th March 2025. Guided by Ms. Sakunthala Kasaragadda, the session was a resounding success. The interactive, hands-on approach empowered our students with vital 21st-century skills, and the participation of 35 students and 5 faculty members reflected our community's enthusiasm for innovation. I am particularly proud of the six teams that presented their ideas and extend my congratulations to the winners and runners-up.

As we continue on our journey of academic enrichment, I extend my heartfelt appreciation to all the faculty, students, and supporting staff whose efforts have made these accomplishments possible. Let us move forward with the same spirit of innovation, inquiry, and impact.

— 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 “Enhancing glass fiber-reinforced composites: Carbon nanostructures using alternative catalysts for improved interfacial bonding” in AIP Conf. Proc...

**Dr. A. Chandrasekhar**, Associate Professor, Dept. of Mechanical Engineering, published a research paper titled “Optimization of 3D printing parameters for enhanced mechanical properties of biodegradable polycaprolactone (PCL) specimens” in AIP Conf. Proc.

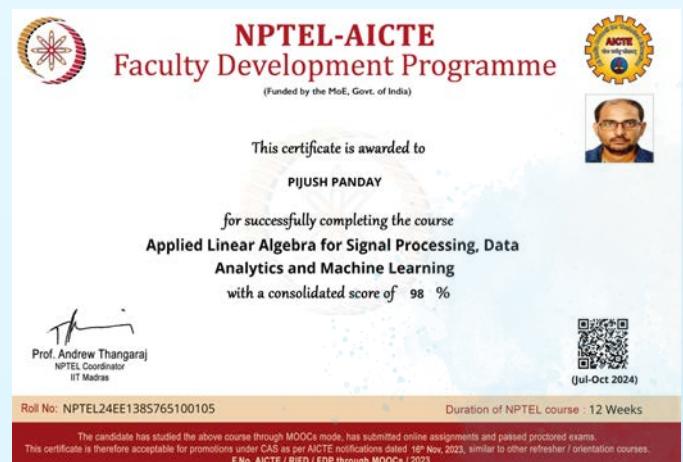
**Dr. A. Chandrasekhar**, Associate Professor, Dept. of Mechanical Engineering, published a research paper titled “Statistical analysis of wear behavior in AZ63 magnesium alloy hybrid composites reinforced with WC and graphite: A Taguchi technique approach in AIP Conf. Proc.

**K. Varaprasada Rao**, Assistant Professor, Dept. of CSE, **Dr. Dileep Kumar M**, Assistant Professor, Dept. of CSE, and **Dr. Sandeep Kumar Panda**, Professor, Dept. of DSAI, published a research paper titled “Design and Develop the Business Process Model for Open Access Copyright Management System Using Permission Less Blockchain” in International Journal of Safety and Security Engineering.



## Certification

**Dr. Pijush Panday**, Assistant Professor, Dept. of Mathematics, completed a 12 weeks NPTEL-AICTE certified Faculty Development Program 'Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning' funded by MOE, Govt of India.



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## Paper Presentations



**Dr. Asisa Kumar Panigrahy**, Associate Professor, Dept. of ECE, presented a research paper titled "Performance Improvement and Optimization of Nanomaterial-Based Liner



Materials for 3D-IC Integration" in an online mode at the IEEE International Conference on Emerging Technologies and Applications 2025 (IEEE MPSEC ICETA 2025) held at ABV-IIITM Gwalior on 21-23 February, 2025.

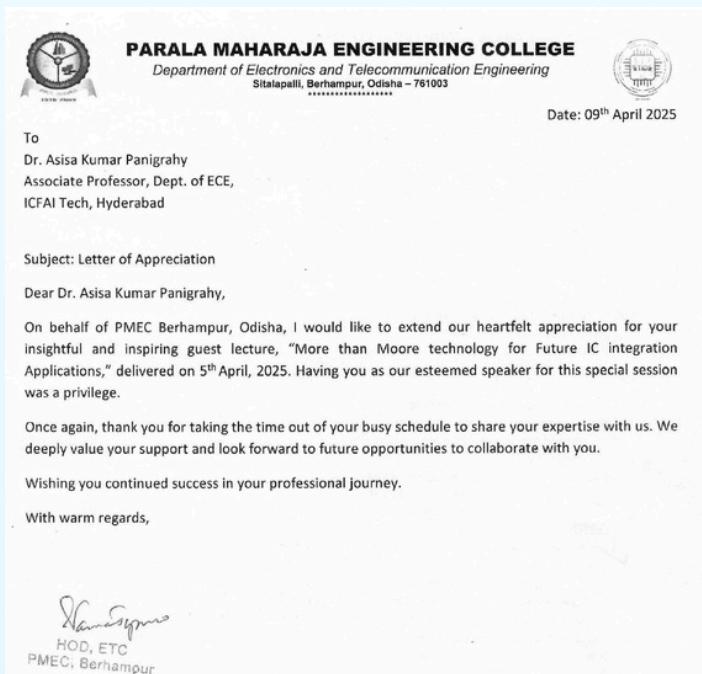
**Dr. Pijush Panday**, Assistant Professor, Dept. of Mathematics, presented a research paper titled "Complex Dynamics due to Prevalence Induced Human



Mobility in Disease Transmission Model" an International Conference 8th Indian Biodiversity Meet (IBM 2025) from 24-26th March, 2025 at Indian Statistical Institute, Kolkata.

## Guest lectures

**Dr. Asisa Kumar Panigrahy**, Associate Professor, Dept. of ECE delivered a guest lecture on "More than Moore Technology for Future IC Integration Applications" on



5th April 2025 AT PMEC Berhampur, Odisha (Govt. of Odisha), India.



## EVENTS



### Workshop on Design Thinking, Critical Thinking & Innovation Design

**Date: 7th March 2025 Time: 9:00 AM - 6:00 PM**

**Resource Person: Ms. Sakunthala Kasaragadda, Founder & CEO, FoundersLab**

A one-day intensive workshop on Design Thinking, Critical Thinking, and Innovation Design was successfully conducted by Ms. Sakunthala Kasaragadda, a renowned entrepreneur, mentor, and innovation strategist. The event aimed to equip students with essential 21st-century skills, including structured problem-solving, creativity, and innovation.

The session began with a warm welcome to Ms. Sakunthala, who captivated the audience with her real-world insights and inspirational journey. Through a mix of interactive lectures, case studies, and hands-on activities, participants explored:

- **Design Thinking:** Human-centered design, ideation, prototyping, and iterative innovation
- **Critical Thinking:** Objective evaluation, logical reasoning, and decision-making
- **Innovation Design:** Converting ideas into impactful solutions using technology and trends

Throughout the day, students engaged in brainstorming exercises and team-based challenges. By the end of the session, six teams presented their innovative ideas, and two outstanding teams were recognized as winners and runners-up.

### Key Takeaways

- Tools and frameworks for structured problem-solving
- Enhanced collaboration and creativity skills
- Practical strategies for innovation and entrepreneurship

The workshop witnessed enthusiastic participation from 35 students and 5 faculty members, making it a highly enriching and impactful event.



# EVENTS



## Workshop on Design Thinking, Critical Thinking & Innovation Design



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