

# IcfaiTech Newsletter

July 2024

## From the Director's Desk



I am delighted to share a glimpse of our esteemed faculty members' remarkable achievements and scholarly contributions in July. With immense pride, I acknowledge the dedication and intellectual expertise demonstrated by our faculty members, which not only enriches our academic environment but also elevates the reputation of our institution. I congratulate Dr. Grandhi Suresh Kumar's patent for designing an “Artificial Intelligence Enabled Wheel Chair” in Mechanical Engineering. I also commend Dr. Banoth Seetharamulu for his patent for designing an “Artificial Intelligence Based Heart Disease

Prediction Device.” Additionally, Dr. A. Chandrashekar, in Mechatronics, expanded knowledge boundaries through notable publications. Dr. Anjanna Matta, in Mathematics, published two groundbreaking research papers in reputed journals, showcasing his expertise. Similarly, Dr. M. Dileep Kumar's work in CSE, published in 'Blockchain, IoT, and AI Technologies for Supply Chain Management', demonstrates pioneering advancements in IoT. I congratulate Dr. Asisa Kumar Panigrahi in numerous ways for his contributions.

To sum up, our faculty's active presentation and participation in seminars and workshops enrich academic discourse, reflecting our commitment to continuous learning. Congratulations to our faculty for their outstanding contributions, which are driving us towards continued innovation and excellence.

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

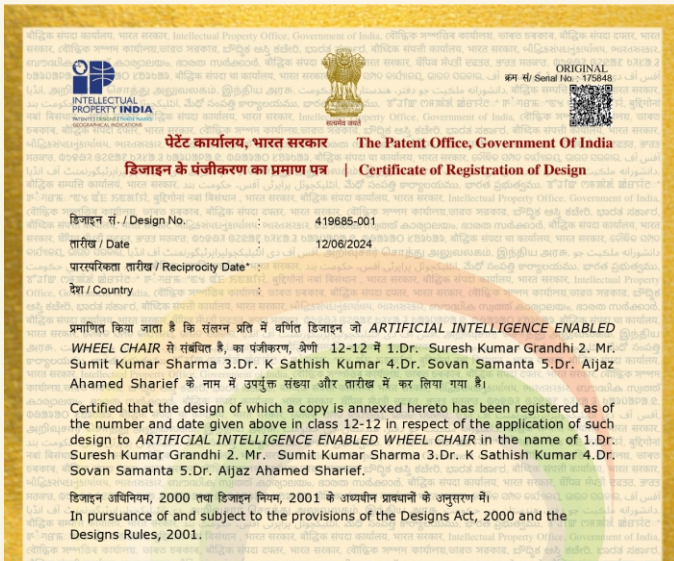




# Achievements



**Dr. Grandhi Suresh Kumar**, Associate Professor, Department of Mechanical Engineering, has been granted a patent to design an “Artificial Intelligence Enabled Wheel Chair” by Certificate of Registration of Design, The Patent Office, Government of India.



**Dr. Banoth Seetharamulu**, Assistant Professor, Department of Computer Science and Engineering, has been granted a patent to design an “Artificial Intelligence Based Heart Disease Prediction Device” by Certificate of Registration of Design, The Patent Office, Government of India.



**Dr. Asisa Kumar Panigrahi**, Associate Professor, Department of Electronics and Communication Engineering, reviewed an article entitled “Two-dimensional Graphene/MoS2 vertical heterostructure for detection hemoglobin concentration in blood samples” for the Journal PLOS ONE.



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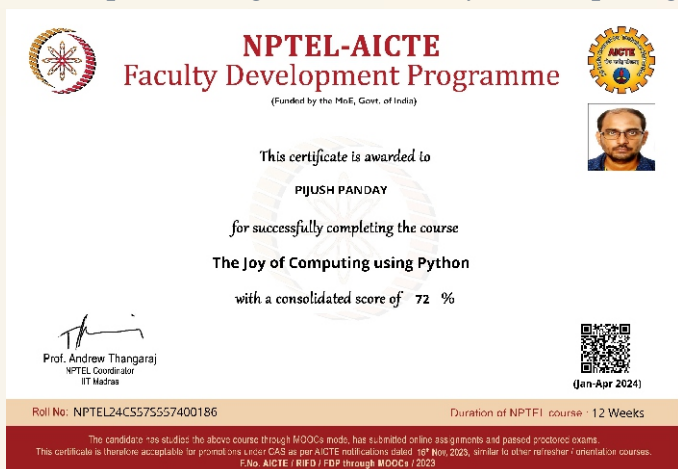


Dr. Asisa Kumar Panigrahi, Associate Professor, Department of Electronics and Communication Engineering, participated in a one-day workshop



on the Future Directions of Quantum Information Processing held at IIIT Dharwad on 15th July 2024.

Dr. Pijush Panday, Assistant Professor, Department of Mathematics, completed a 12-week NPTEL-AICTE certified Faculty Development Program on 'The Joy of Computing



using Python,' funded by MOE, Government of India.

He also participated in a three Day Online Faculty Development Program "Innovative Approaches

in Probabilistic Machine Learning: Exploring Novel Research Frontiers” organized by the Department of Mathematics, CMR Institute of



Technology, Bengaluru-560037 from 3rd – 5th June 2024.

Mr. Ch. Venugopal, Assistant Professor, Department of Mechanical Engineering, participated in the One Week online Faculty



Development Program on “AI/ML Tools for Advanced Materials, Manufacturing and Thermal Systems (ATAMMTS-2024)” organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, NTR (Dt.), Andhra Pradesh, India from 24th – 28th June 2024.

# Publications

Dr. Grandhi Suresh Kumar, Associate Professor, and Mr. Ch. Venugopal, Assistant Professor, Department of Mechanical Engineering, presented a research paper titled "Performance Analysis of Alternative Fuel Diesel Blends on



Four-Stroke Single Cylinder Compression Ignition Engine - A Comprehensive Review" at the Conference ICAMS-2024 organized by the Department of Mechanical Engineering, Vardhaman College of Engineering, Hyderabad



on 26 & 27 Jul 2024.

Dr. Dileep Kumar M, Assistant Professor, Department of Computer Science and Engineering, Presented two research papers titled "Blockchain-based Internet of Efficient



Healthcare Data Sharing and Monitoring Things" and "Artificial Intelligence-IoT Enabled Blockchain Ecosystem for the Management of Agricultural Product Supply Chain" in FICTA-2024, AI and Data Science (AI&DS) Research Group, London Metropolitan University,



London, United Kingdom on 6th-7th June 2024.



**Dr. A. Chandrasekhar**, Associate Professor, Department of Mechanical Engineering, published a research paper titled “AI-Driven Test and Measurement Automation in Electronics Manufacturing” in IEEE Xplore.



He also published a research paper titled “Deep Reinforcement Learning for Autonomous Drone Navigation in Cluttered Environments” in 5th International Conference on Recent Trends in Computer Science and Technology (ICRTCST).

**Dr. Anjanna Matta**, Associate Professor, Department of Mathematics, published a research article titled, “Linear and non-linear stability analysis of double-diffusive Hadley-Prats flow through a horizontal porous layer with non-uniform thermal and solutal gradients” in the Journal of 'Numerical Heat Transfer part A-Applications.’



He also published a research article titled, “[Dissolution-driven convection in an inclined porous medium with first order chemical reaction](#)” in the Journal of 'Journal of Porous Media’.

**Dr. Dileep Kumar M**, Assistant Professor, Department of Computer Science and Engineering, published a chapter titled “Leveraging IOT in Supply Chain Sustainability: A Provenance Perspective” in the book 'Blockchain, IoT, and AI Technologies for Supply Chain Management'.



**Dr. Asisa Kumar Panigrahi**, Associate Professor, Department of Electronics and Communication Engineering, reviewed an article entitled “Futuristic Trends in Chemical Material Sciences & Nano



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ISO 9001:2015 certified, registered as Publisher with imprint IIP under Raja Ram Mohan Roy National Agency, Ministry of Education, Government of India and also under Bowker ISBN Agency, USA

**Certificate of Recognition**

awarded to  
**Dr. Asisa Kumar Panigrahi**  
Ph.D  
Associate Professor  
Faculty of Science & Technology (IcfaiTech), ICFAI Foundation for Higher Education, Hyderabad -501203, Telangana, India

In recognition of an outstanding contribution as an **Editor** for the edited book titled  
**Futuristic Trends in Chemical Material Sciences & Nano Technology Volume 3 Book 24**

E-ISBN:978-93-5747-617-1      Publication Date : 25-February-2024  
Print-ISBN:978-93-6252-192-7      Publication Date : 30-April-2024

Nanjesh Benmur  
Director, IIP Series

Technology” for the IIP Series.



**Publications**

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**Dr. Asisa Kumar Panigrahi**, Associate Professor, Department of Electronics and Communication Engineering, reviewed an article entitled “Futuristic Trends in Chemical Material Sciences & Nano Technology” for the IIP Series.





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