



Centre for FEM and CFD Simulations

Dr. Kanak Kalita

Associate Professor – Mechanical Engineering

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Dr. Kanak Kalita is a leading researcher in Computational Engineering recognized among the Top 2% of scientists worldwide by a study of Elsevier-Scopus and Stanford University. He holds a Ph.D. in Applied Mechanics and Soft Computing and has authored more than 150 SCOPUS-indexed papers, including 100+ in SCI journals, with an H-index of 33. Dr. Kalita currently serves as Editor of reputed journals like Scientific Reports (Springer-Nature) and is a Visiting Researcher at VSB – Technical University of Ostrava, Czech Republic. He has received multiple national and international research awards and actively collaborates with European partners, offering joint supervision and lab visit opportunities abroad.

Looking for PhD students to work in the following areas

- Modelling and Simulation of Composite Structures
- Stir Casting of Metal Matrix Composites
- Additive Manufacturing of Functional Materials

Candidates with backgrounds in Mechanical/Materials/Production Engineering or related fields with strong coding/simulation skills are preferred.

Facilities available

- ✓ Fully equipped Additive Manufacturing lab for FDM-based 3D printing
- ✓ Stir Casting setup for MMC development
- ✓ High-end workstations with required software: ANSYS, MATLAB, Python, etc.
- ✓ Lab-scale testing and characterization tools

Benefits and opportunities

- Monthly fellowship of Rs. 25,000/- for three years
- Publication in SCI-indexed high impact journals
- Joint supervision by European collaborators and potential lab visits to Europe

Contact details

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