



The National Institute of Engineering
(An Autonomous Institute Under VTU)
DEPARTMENT OF MECHANICAL ENGINEERING

Phone: 0821-4004930, Fax: 0821-2485802, Email: hodmech@nie.ac.in



List of Research Supervisors (2023-24)

Research Supervisor	Research Areas
 <p>Dr. Prakash K R Professor & Head Email: hodmech@nie.ac.in</p>	<ul style="list-style-type: none">• Automation & Control,• Material Coating,• Sensor Materials,• Robotics & IoT.
 <p>Dr. Suresha B Professor sureshab@nie.ac.in</p>	<ul style="list-style-type: none">• Materials Science• Polymer Composite Materials• Tribology in Polymer Composites• Light Weight Polymer Composites• Natural fiber Composites• Fracture and Fracture Toughness of Composites• Nanocomposites
 <p>Dr. Aravindrao M Yadwad Professor amyadwad@nie.ac.in</p>	<ul style="list-style-type: none">• Composite Materials• Energy Engineering• Production Engineering• Management



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Dr. Yogesha K K.
Associate Professor
yogeshakk@nie.ac.in

- Material processing and Characterization
- Preparation of bulk nanostructured metals and alloys and nanocomposites and their Fatigue and Fracture studies
- IC Engines
- Automotive Engineering



Dr. Imran M Jamadar
Associate Professor
imjamadar@nie.ac.in

- Rotor Dynamics and Rotating Machinery health monitoring.
- Tribology and Performance enhancement of polymer composites.
- Integration of AI/ML algorithms for predictive maintenance
- Finite Element Analysis



Dr. Anand A
Assistant Professor
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- Additive Manufacturing
- Finite Element Methods
- Composite Materials
- Biofuels



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Dr. Sharath Chandra N

Assistant Professor
sharath.chandra@nie.ac.in

- Product Design
- New Product Development
- Technology Management
- Technology Transfer



Dr. Sathisha H M

Assistant Professor
sathishahm@nie.ac.in

- Energy storage systems (Redox flow batteries)
- Heat and mass transfer analysis of vegetables and fruits
- Heat treatment processes simulation
- Computational Fluid Dynamics
- Renewable energy systems



Dr. Harshavardhan B.

Assistant Professor
harshavardhanb@nie.ac.in

- Composite materials
- Modeling and analysis of mechanical systems
- Vibration studies in mechanical structures



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Dr. Tejappanavara Raghavendra

Assistant Professor

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- Processing of polymer matrix composites
- Natural fiber reinforced composites
- Additive Manufacturing



Dr. Aravind S L

Assistant Professor

aravindsl@nie.ac.in

- Automotive safety
- Automobile airbags
- Gas generants



Dr. Sachin B

Assistant Professor

sachinrao@nie.ac.in

- Slide Burnishing
- Sustainable Manufacturing
- Cryogenics
- Laser Dressing
- Surface Integrity
- Sustainable Product Design