



## Dr. B. Hulugappa

Associate professor

### CONTACT

- 9481439473
- bhmech@nie.ac.in
- Mysuru, Karnataka

Google Scholar ID:

ORCID ID:

Professional Experiences: 25

Teaching:25

Industry:00

Research:06

### Courses Taught:

Manufacturing Technology  
Total quality management  
Engineering Management  
Industrial Design & Ergonomics  
Theory of machine  
Machine Drawing  
Computer aided Drawing  
Elements of Mechanical  
Engineering.  
CAD/CAM  
NDT .  
Metrology and Measurements

### ABOUT ME

Associate Professor in Mechanical Engineering at National Institute of Engineering, Mysuru ,Karnataka since 2004 , Earlier to this started teaching career with Prouda devaraya Institute of Technology (PDIT) , Hospet as a lecturer (2000). In the year 2004 appointed as lecturer in Mechanical engineering Department at NIE, Mysuru, and become Associate professor(2017). Worked at various capacities as a Member of Board of Studies and Examination and head of Center for material Research. So for guided M.Tech project and UG project. Published the research articles in international journals and conference.

### RESEARCH INTERESTS:

**Ffracture toughness of thermoset polymer composites**

**Condition monitoring**

**Composite materials**

### EDUCATION

- Ph.D - Specialization  
Research Centre/University Name  
Year of Graduation : NIE,Mysuru.  
**Fracture toughness of thermoset polymer composites, VTU, Belgaum, 2018**
- M.E/M.Tech. - Specialization  
Institute/University Name  
Year of Graduation : Basaveshwara Engineering College, Bagalkot, **Production Technology -2004,VTU Belgaum.**
- B.E., - Specialization  
Institute/University Name  
Year of Graduation : Mechanical Engineering, Basaveshwara Engineering College, Bagalkot , KUD Dharwad,1998.

## PUBLICATIONS

1. Fracture Toughness and Impact strength behavior of Glass -Fiber Reinforced by Nano Particle Polymer Composites.
2. International Conference on Sustainable Materials, Manufacturing & Industrial Engineering- ICSMMIE-2022 1 st -2 nd of July, 2022 Tumkur, Karnataka, India  
Paper Title: **Design and Analysis of a Tunable Mass Damper to Suppress the Vibration during boring operation in a Lathe.**
3. Effect of Filler Material type on Dynamic Behavior of Composite Beams : An Experimental Study
4. Numerical approach of self tuning Shape memory alloy based PZT energy harvester without tip mass
5. Investigation of Anisotropic Properties of Al 5052 Alloy Deformed by Cryorolling and Cryo-cross Rolling
6. Effect of Filler on Mechanical Properties and Fracture Toughness of Glass Fabric Reinforced Epoxy Composites.
7. Effect of Environmental Conditions on Flexural Strength and Fracture Toughness of Particulate Filled Glass-Epoxy Hybrid Composites
8. Fracture Toughness of Glass fabric Reinforced Epoxy Composites: Effect of Filler addition and Temperature.
9. Effect of type and loading of Micro fillers on fracture toughness of glass fabric reinforcing epoxy composites.

**FDP/STTP/ WORKSHOPS/CONFERENCES/SEMINARS ATTENDED:**

1. One week faculty development program me on **Advances in Manufacturing**
2. One week faculty development programe on **Current Trends in Robotics & controls.**
- 3 One week FDP on **Design Aspects of fatigue and fracture in structures.**
4. One week workshop faculty development program me on **Energy Management ISO 50001 and Environmental Assurance**
5. Two week workshop on **Smart Materials, Structures and systems**
6. Two week workshop on **Advances in Finite Element Methods and Applications**
7. Two week workshop on **world-class new product Design and manufacturing**

**OTHER INFORMATION:**

**(Patents Filed/ Membership/Administration/Consultancy/Evaluator/Research Guidance and funding/Awards/Key Roles/Invited Talks Delivered, etc)**

1. Gate Coordinator
2. Data Coordinator for TEQIP
3. Coordinator for BE Honors
4. Member secretary for class committee
5. Skill development Coordinator
6. Member for BOE and BOS
7. Member for News letter
8. Head of CMR
9. Flying squad chairman