

Faculty Profile

Name : Dr. B. Hulugappa Designation : Professor Department : Mechanical Engineering Contact Details: 9481439473 E-mail : bhmech@nie.ac.in Phone : 9481439473	
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About me: I have been serving as a Professor in the Mechanical Engineering Department at the National Institute of Engineering (NIE), Mysuru, Karnataka, since 2004. Prior to this, I began my teaching career in 2000 as a Lecturer at Prouda Devaraya Institute of Technology (PDIT), Hospet. In 2004, I joined NIE as a Lecturer in the Mechanical Engineering Department and was later promoted to Associate Professor in 2017 and to Professor in 2021. Throughout my career, I have held several important roles, including serving as a Member of the Board of Studies and Examination, as well as heading the Centre for Material Research. I have guided numerous M.Tech and UG projects and published research articles in international journals and conferences.

Qualification:

B.E. (Karnataka Univ.), **M. Tech** (VTU, Belagavi), **Ph.D.** (VTU, Belagavi)

Courses Taught: 1. Manufacturing Technology 2.Total Quality Management
3. Engineering Management 4. Industrial Design & Ergonomics 5. Theory of Machine
6. Maching Science and Metrology. 7. Computer Aided Machine Drawing
8. Computer Aided Drawing 9. Elements of Mechanical Engineering.
10. CAD/CAM 11. Non Destructive Testing.

Publications:

1. Fracture Toughness and Impact strength behavior of Glass -Fiber Reinforced by Nano Particle Polymer Composites.
2. Effect of Filler Material type on Dynamic Behavior of Composite Beams : An Experimental Study
3. Numerical approach of self tuning Shape memory alloy based PZT energy harvester without tip mass
4. Investigation of Anisotropic Properties of Al 5052 Alloy Deformed by Cryorolling and Cryocross Rolling, Journal of Metallography, Microstructure, and Analysis
5. Fracture Toughness and Impact strength behavior of Glass -Fiber Reinforced by Nano Particle Polymer Composites
- 6 .Investigation of Anisotropic Properties of Al 5052 Alloy Deformed by Cryorolling and Cryocross Rolling
7. Effect of Al₂O₃ Reinforcement on Behavioural Characteristics of Aluminium Metal Matrix Nanocomposites
8. Effect of Environmental Conditions on Flexural Strength and Fracture Toughness of Particulate Filled Glass-Epoxy Hybrid Composites, Materials Sciences and Applications, 2016, 7, 710-729
- 9 Effect of fillers on mechanical properties and fracture toughness of glass fabric reinforced epoxy composites, Journal of Minerals and Materials Characterization and Engineering, 2016, 4, 1-14
10. Characterization of Mechanical Properties of Coconut Coir Fibre Reinforced PLA Composites, Journal of Mines, Metals and Fuels, 72(5): 0-0; 2024. DOI: 10.18311/jmmf/2024/44563

Book Chapters

1 . Hulugappa, et.al .Effect of Filler Material Type on Dynamic Behaviour of Composite Beams; an Experimental Study, Intelligent Technologies for Scientific Research and Engineering

Other achievements:

During this period, I worked as the Head of the Centre for Material Research (CMR). I played a key role in establishing new laboratory equipment, including a Computerised Universal Testing Machine and an Impact Testing Machine. Under my leadership, the centre also undertook consultancy work in material testing and analysis. Recently, I was granted guide ship recognition from Visvesvaraya Technological University (VTU)
