


Faculty Profile

Name	: Madaiah D C	
Designation	: Assistant Professor- Grade-II	
Department	: Mechanical Engineering	
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About me:

Madaiah D C is an Assistant Professor in the Department of Mechanical Engineering at The National Institute of Engineering (NIE), Mysuru, with over 20 years of teaching, research, and academic administration experience. I have authored several international journal and conference publications in areas such as tribological behaviour of composite materials, and advanced manufacturing processes. I have actively contributed to institutional development through roles in NAAC/NBA activities, student training programs, and academic associations.

Qualification: DME, B.E., M.Tech

Courses Taught:

Design of Machine Elements- I , Design of Machine Elements- II, Dynamics of Machineries, CAED (Computer Aided Engineering Design), CAMD (Computer Aided Machine Design), Universal Human Value, Social Connectivity and Responsibility,

Publications:

Journal Publications:

- **Madaiah D.C., Srinivas S., Hema H., Ahmad K.A., Hameed Sultan M.T.** (2026). *Dual nanofiller strategy for enhanced mechanical properties in carbon fiber reinforced polyamide blends*. **Nanotechnology Reviews**, 15(1).
- **Madaiah D.C., Dharanish J., Bheemraj P., Arockiasamy F.S., Fatehmulla A.** (2025). *Surface functionalization of boron nitride and its effect on physicomechanical properties of polyaryletherketone composites*. **Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering**.
- **Madaiah D.C., Puneeth S., Anjanappa C., Dharanish J., Bheemraj P.** (2024). *Performance Evaluation of Ultra-Low Power ADCs in Energy Harvesting Systems*. **SSRG International Journal of Electrical and Electronics Engineering**, 11(8).
- **Madaiah D.C., Anand A., Dharanish J., Bheemraj P., Hema H.** (2024). *Synergetic Effects of One and Two Dimension Nanofillers on the Mechanical Properties of Rubber Modified Epoxy Composites*. **SSRG International Journal of Mechanical Engineering**, 11(8).
- **Madaiah D.C., Kumar S., Varadarajan Y.S., Niluvase N.P., Bheemraj P.** (2024). *Characterization of Fracture Toughness Properties of Coir Fibre Reinforced Polypropylene Composites*. **Journal of Mines, Metals and Fuels**, 72(5).

Other achievements:

- Enrolled to PhD under VTU in the year 2025