I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher: Shubham Nitin Aher
- User Type: Bachelor's
- Institution Name: Pimpri Chinchwad College Of Engineering, Pune
- Institutional Contact No:
- Research Topic: Simulations for Free Vibrations of MEE Composite Plate in COMSOL.

Software Request Details

- Software Name: COMSOL (Basic+Advanced)
- Justification for Software Request: My research involves eigenfrequency (free vibration) analysis of magneto-electro-elastic (MEE) laminated plates. In conventional software, I can only simulate elastic plates, whereas COMSOL allows full multiphysics coupling of mechanical, electrical, and magnetic fields, making it essential for accurate MEE modeling. The validated simulation data will also be used to train Machine Learning models for faster prediction of vibration characteristics.

Guide/Supervisor Approval:

I, Dr. Pravin R Kale (Guide/Supervisor Name),

- Confirm that the above-mentioned researcher is affiliated with our institution
- Have reviewed the software request and its relevance to the researcher's academic work
- Approve the software request for research purposes

Approval Confirmation

- I approve the software request
- The software aligns with the researcher's research objectives
- The request meets the institutional research guidelines

Guide/Supervisor Signature: _____

Date: 10/10/2025

Official Stamp/Seal: [Space for Institutional Stamp]

P.C. COLLEGE OF ENGINEERING
Dept. of Mechanical Engg.

Important Notes

1. This form must be signed and scanned
2. The scanned copy must be uploaded with the software request
3. Electronic signatures are acceptable if from an official institutional email