

I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher: Srivardhan A
- User Type: Masters
- Institution Name : Indian Institute of Science Bengaluru
- Institutional Contact No: 08022932228
- Research Topic: Vibration Isolation

Software Request Details

- Software Name: COMSOL Multiphysics
- Justification for Software Request: This software is essential for investigating the vibration isolation properties of pre-stretched annular ribbons. It provides the required finite element capabilities to accurately model the geometric nonlinearities and stress-stiffening effects induced by initial tension. We will use it to perform pre-stressed modal and harmonic response analyses, allowing us to evaluate transmissibility and optimize the isolation bandwidth under various stretch ratios and boundary conditions.
- Guide/Supervisor Approval

I, Ramsharan Rangarajan (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: 11th March 2026

Official Stamp/Seal:

Dr. Ramsharan Rangarajan
Associate Professor
Mechanical Engineering
Indian Institute of Science
Bangalore - 560 012, INDIA

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