

## I-STEM Software Request - Guide Approval Form

### User Details

- **Name of Researcher:** Marxim Rahula Bharathi B
- **User Type:** ☐ Ph.D. Scholar ☐ Postdoctoral Researcher ☐ Bachelor's ☐ Masters
- **Institution Name** : Aditya University
- **Institutional Contact No:** 9441890729
- **Research Topic:** Acoustics

### Software Request Details

- **Software Name:** COMSOL
- **Justification for Software Request:** As a postdoctoral acoustics researcher, an I-STEM COMSOL license is crucial for my work due to its:
  - **Multiphysics Coupling:** Essential for complex acoustic interactions (vibroacoustics, thermoacoustics, aeroacoustics, piezoelectricity).
  - **Comprehensive Acoustics Module:** Offers specialized tools for pressure acoustics, room acoustics, pipe acoustics, nonlinear acoustics, etc.
  - **Enhanced Efficiency:** Enables rapid virtual prototyping, extensive parametric studies, and deeper physical insights, saving time and resources.
  - **Data-Driven Research:** Facilitates high-fidelity data generation for analysis and collaboration.
  - **Skill Development:** Contributes to academic excellence and training of future researchers.

Access to COMSOL via I-STEM will significantly advance my research, allowing me to tackle complex problems and innovate in the field of acoustics.

- **Guide/Supervisor Approval**

I, Dr Sandip Kumar,

- 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

Supervisor Signature: Sandip Kumar

Date: 28-07-2025

Official Stamp/Seal:

