

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** PABBISETTY DEEPESH
- **User Type:** Bachelor's
- **Institution Name** : SRM INSTITUE OF SCIENCE AND TECHNOLOGY
- **Institutional Contact No:** 18001021525
- **Research Topic:** Simulation and Analysis of Bending Loss in Optical Fiber using Wave Optics

Software Request Details

- **Software Name:** COMSOL Multiphysics
- **Justification for Software Request:** The proposed research focuses on the simulation and analysis of bending loss in optical fibers. This requires accurate modeling of electromagnetic wave propagation through dielectric media, which cannot be achieved through analytical methods alone. COMSOL Multiphysics provides the Wave Optics Module, enabling detailed analysis of light propagation, mode distribution, and power leakage in bent optical fibers.

Guide/Supervisor Approval

I, _____ (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: _____

Official Stamp/Seal: [Space for Institutional Stamp]

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