

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Anjani Kumar
- **User Type:** ☒ Ph.D. Scholar ☐ Postdoctoral Researcher ☐ Bachelor's ☐ Masters
- **Institution Name** : Indian Institute of Technology Hyderabad
- **Institutional Contact No:** +91 040 2301 6312
- **Research Topic:** Hybrid Bonding

Software Request Details

- **Software Name:** COMSOL Multiphysics
- **Justification for Software Request:** [Provide detailed explanation of how the software supports your research objectives]
COMSOL Multiphysics is required for thermo-mechanical and multiphysics simulation of hybrid bonding interfaces. It will be used to study thermal expansion mismatch, residual stress, deformation, and stress distribution in material interface and their behavioural characterization.

Guide/Supervisor Approval

I, Prof. Shiv Govind Singh (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: Shiv Govind Singh

Date: 05-09-2026

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