

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Robin Bansal
- **User Type:** ☒ Ph.D. Scholar ☐ Postdoctoral Researcher ☐ Bachelor's ☐ Masters
- **Institution Name:** Sant Longowal Institute of Engineering and Technology,
Longowal – 148106, Distt. Sangrur (Pb.), India
- **Institutional Contact No:** +91-1672-280057
- **Research Topic:** Plasmonic Fiber Grating Biosensors

Software Request Details

- **Software Name:** COMSOL Multiphysics 5.6
- **Justification for Software Request:** COMSOL Multiphysics is an indispensable tool for simulating Plasmonic Fiber Grating Biosensors because it enables a rigorous, full-wave electromagnetic analysis that directly models the complex light-matter interactions necessary for sensing.

Guide/Supervisor Approval

I, Dr. Surinder Singh Sodhi (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: 06/10/25

Official Stamp/Seal:

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