

I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher: Mamta
- User Type: ☒ Ph.D. Scholar ☐ Postdoctoral Researcher ☐ Bachelor's ☐ Masters
- Institution Name : Guru Ghasidas Vishwavidyalaya(A Central University) Bilaspur(C.G.)India
- Institutional Contact No: 07752 – 260209
- Research Topic: "Design and optimization of Anti-Resonant Hollow Core Optical Fiber and its Propagation Characteristics in the Terahertz Regime"

Software Request Details

- Software Name: COMSOL SOFTWARE
- Justification for Software Request: [The phd thesis topic is to design an optical waveguide which is optical fiber in Tera Hertz Band. It requires to solve eigen modes using Maxwell's equation for the designed waveguide structure. The wave optics module of COMSOL is suitable as it has finite-element based eigen mode solver. The comsol software is only suitable software to solve this kind of complex structures.]

Guide/Supervisor Approval

I, Dr. Suchita (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: *Suchita*

Date: 18/3/25

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

