I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Akanksha Chaurasiya
- **User Type:** Masters
- **Institution Name:** Pt. Prithi Nath P.G. College
- **Institutional Contact No:** 8707538344
- **Research Topic:** Supercontinuum Generation in PCfs, Optical Fibers and Glass Fibers

Software Request Details

- **Software Name:** COMSOL Multiphysics Basic + Advanced Modules
- **Justification for Software Request:** I require COMSOL as it is indispensable for modelling supercontinuum generation in PCFs and chalcogenide fibers. The requested modules enable precise dispersion engineering and nonlinear propagation analysis. This software facilitates a rigorous comparative study of modal properties and spectral broadening, ensuring optimized fiber designs for high-performance mid-infrared applications."

Guide/Supervisor Approval

I, Rishabh Gupta

- 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: 22/4/2026

Department of Physics
P.P.N.(PG.) College, Kanpur

Official Stamp/Seal:

Prof. Satish Chandra
Department-in-Charge
Department of Physics
P.P.N. (PG.) College, Kanpur