

I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher : Akila C
- User Type : Ph. D Scholar
- Institution Name : SRM Institute of Science and Technology
- Institutional Contact No : 04427417000
- Research Topic : Surface Plasmon Resonance Sensor: Design and Developments

Software Request Details

- Software Name : COMSOL
- Justification for Software Request:

My student is working on plasmonic-based sensing analysis, which involves studying the interaction of electromagnetic waves with nanostructures to develop Surface Plasmon Resonance (SPR) and Surface-Enhanced Raman Spectroscopy (SERS)-based sensor applications. This research heavily relies on wave optics and electromagnetic wave simulations to analyse the plasmonic effects, field enhancement, and light-matter interactions at the nanoscale.

- Guide/Supervisor Approval

I DR. Anand Mohan Shrivastav, 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

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Date

: 04-03-2025

Official Stamp/Seal:

Dr. Anand M. Shrivastav
Research Assistant Professor
Dept. of Physics and Nanotechnology
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