

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** D.SUREKHA
- **User Type:** Ph.D. Scholar
- **Institution Name:** SRM INSTITUTE OF SCIENCE & TECHNOLOGY, Vadapalani Campus, Chennai
- **Institutional Contact No:** 8122340014
- **Research Topic:** DESIGN AND PERFORMANCE EVALUATION OF SURFACE PLASMON RESONANCE SENSORS WITH 2D AND 3D NANOMATERIALS FOR BIOMEDICAL APPLICATIONS
- **Software Request Details**
- **Software Name:** COMSOL Multiphysics 5.6 / 6.0
- **Justification for Software Request:**

COMSOL Multiphysics is required for numerical simulation and analysis of optical and plasmonic sensor structures as part of my research work. The software will be used to study electromagnetic-field propagation, resonance behaviour, and performance optimisation of multilayer SPR-based biosensors. COMSOL provides reliable FEM-based modelling capabilities that are essential for validating analytical results and producing publishable research outcomes.

- **Guide/Supervisor Approval**

I, Dr P. Nagarajan, Associate Professor, Department of ECE, SRM Institute of Science & Technology, Vadapalani Campus, Chennai, 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: 30.01.2026.

Official Stamp/Seal:

Dr. P. NAGARAJAN ME., Ph.D.,
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