

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Lavanya V
- **User Type:** ☐ Ph.D. Scholar ☐ Postdoctoral Researcher ☐ Bachelor's ☒ Masters
- **Institution Name :** M S Ramaiah University of Applied Sciences
- **Institutional Contact No:** +91 8023600822
- **Research Topic:** Nanowire

Software Request Details

- **Software Name:** COMSOL Multiphysics and MATLAB Livelink
- **Justification for Software Request:** I request COMSOL Multiphysics for my research on nanowire-based Single Photon Avalanche Diodes (SPADs). The software's semiconductor physics and multiphysics capabilities are essential to model carrier transport, avalanche effects, and nanowire geometries. It enables I - V and transient simulations, optical-electrical coupling, and automation via MATLAB LiveLink. Access will directly support my master's thesis and publications on SPAD simulation.

Guide/Supervisor Approval

I, Dr. D Punithavathi (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

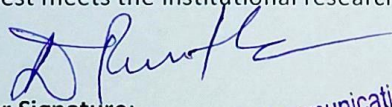
Approval Confirmation

- 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: 29 August 2025

Official Stamp/Seal:


Department of Electronics & Communication Engg.
University of Engineering & Technology
Ramaiah University of Applied Sciences
4/0-P, Peenya Industrial Area, 4th Phase,
Bangalore-560058. Ph: 080-49065555

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