

I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher: KIRAN.S/Sangeetha PRAIR
- User Type: ☐ Ph.D. Scholar ☐ Postdoctoral Researcher ☒ Bachelor's ☐ Masters
- Institution Name : PES UNIVERSITY
- Institutional Contact No: 9731369275
- Research Topic: BAW SENSOR

Software Request Details

- Software Name: COMSOL MULTIPHYSICS
- Justification for Software Request: Our project involves developing a BAW-based biosensing system that leverages its stability and precision to detect biomarkers for early disease diagnosis, focusing on revolutionizing medical diagnostics, and we believe COMSOL Multiphysics would be highly beneficial in achieving accurate simulations and results. COMSOL Multiphysics is one of the most powerful tools for **designing, simulating, and optimizing** Bulk Acoustic Wave (BAW) sensors. Its ability to handle **multiphysics interactions** (piezoelectricity, acoustics, structural mechanics, and thermal effects) makes it ideal for modeling BAW sensors
- Guide/Supervisor Approval

I, Prof. Rajesh C (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: Rajesh C 11/3/25

Date: 11/3/25

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