

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Dr. Sreejith K P
- **User Type:** ☐ Ph.D. Scholar ☒ Postdoctoral Researcher ☐ Bachelor's ☐ Masters
- **Institution Name** : Manipal Institute of Applied Physics, MAHE, Manipal
- **Institutional Contact No:** 0820-2925072
- **Research Topic:** Spectroscopy

Software Request Details

- **Software Name:** COMSOL Multiphysics
- **Justification for Software Request:** The development of a high-sensitivity photoacoustic spectroscopy system requires precise modeling and simulation of complex physical phenomena, including acoustic wave propagation, thermal effects, and optical interactions within a gas sample. COMSOL Multiphysics is an advanced simulation software that provides the necessary tools to achieve this objective effectively. COMSOL Multiphysics is essential for designing and optimizing a high-sensitivity photoacoustic spectroscopy system and make it uniquely suited to meet the project's technical requirements, ensuring accurate simulations and efficient development of a high-performance PAS system.
- **Guide/Supervisor Approval**

I, Dr. Santhosh Chidangil,

- 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: 13/09/2025

Official Stamp/Seal: [Space for Institutional Stamp]



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