

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Kriti Arya
- **User Type:** ☒ Ph.D. Scholar ☐ Postdoctoral Researcher ☐ Bachelor's ☐ Masters
- **Institution Name :** AcSIR, CSIR-CSIO, Chandigarh
- **Institutional Contact No:** 7303973380
- **Research Topic:** Study and Simulation of Airflow Dynamics using Canine nasal cavity for development of photonic nose

Software Request Details

- **Software Name:** COMSOL Multiphysics
- **Justification for Software Request:** COMSOL Multiphysics enables the study and simulation of airflow dynamics within the canine nasal cavity by providing detailed insights into airflow patterns, pressure distribution, and temperature variations. This helps in designing and optimizing a photonic nose by mimicking the canine olfactory system for enhanced chemical sensing applications.

Guide/Supervisor Approval

I, Dr. Amol P. Bhondekar,

- 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: 27-03-2025 Dr. Amol P. Bhondekar

Principal Scientist

Official Stamp/Seal: [Space for Institutional Stamp] Organisation
CSIR Central Scientific Instruments Organisation
Sector 30-C, Chandigarh-160030

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