

I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher: ARJUN V S KIDAVU
- User Type: ☐ Ph.D. Scholar ☒ Postdoctoral Researcher ☐ Bachelor's ☐ Masters
- Institution Name : IIT Bombay
- Institutional Contact No: 022 2572 2545
- Research Topic: Photoacoustic Spectroscopy

Software Request Details

- Software Name: COMSOL Multiphysics
- Justification for Software Request: COMSOL Multiphysics is essential for my study of photoacoustic transducers, as it enables accurate simulation of acoustic wave generation, resonant characteristics, and pressure distributions within the transducer. The required modules are critical for analysing transducer geometry, optimizing sensitivity, and improving signal response. Without these capabilities, it is difficult to design, model, and validate the performance of the photoacoustic transducer effectively.

Guide/Supervisor Approval

I, Sandeep Kumar Kalva (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: 21/04/2026

Official Stamp/Seal:

Important Notes

प्रा. संदीप कुमार काल्वा / Prof. Sandeep Kumar Kalva
सहायक प्राध्यापक / Assistant Professor
जैव विज्ञान एवं जैव अभियांत्रिकी विभाग
Department of Biosciences and Bioengineering
भा.प्रौ.सं. मुंबई, पवई, मुंबई-४०० ०७६, भारत
IIT Bombay, Powai, Mumbai - 400 076, INDIA

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