



I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Abhinav S
- **User Type:** Bachelor's
- **Institution Name:** Ramaiah University of Applied Sciences
- **Institutional Contact No:** 9845477002
- **Research Topic:** Biosensors and Microfluidics

Software Request Details

- **Software Name:** Comsol multiphysics
- **Justification for Software Request:** I am currently working on developing a microfluidic device aimed at the efficient extraction of endotoxins from bacteria. This project involves designing microchannel networks that can isolate and purify endotoxins from bacteria more efficiently. Comsol will speed up and increase quality of the design, allow better visualization, accurate modelling of fluid dynamics, and iterative prototyping of the microfluidic layout
- **Guide/Supervisor Approval**

I, Tanushree Ghosh

- 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:

Tanushree Ghosh
(PROJECT INVESTIGATOR)

Date: 11/07/2025

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

