

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Preetham R S
- **User Type:** Ph.D. Scholar
- **Institution Name** : REVA University
- **Institutional Contact No:** 9159815169
- **Research Topic:** Mathematical Modelling, Simulation & Fabrication of Cost-effective conducting polymer/chalcogenides flexible thermoelectric devices

Software Request Details

- **Software Name:** COMSOL Multiphysics
- **Justification for Software Request:**
Sir, My PhD research is titled "Mathematical Modelling, Simulation & Fabrication of Cost-effective conducting polymer/chalcogenides flexible thermoelectric devices", and my second objective completely depends on the Multiphysics simulation of a thermoelectric device, where the device structure needs to be optimised using Multiphysics simulation software. The COMSOL Multiphysics software is an essential need to simulate the thermoelectric device by coupling AC/DC module (Electric currents and Electrical circuits) and heat transfer modules (Heat transfer in solids and Thermoelectric effect). Getting access to COMSOL Multiphysics software significantly assists me in conducting my research to fulfil my second objective.

Guide/Supervisor Approval

I, Dr. Karthik Rajendra (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: 20-03-2025

Official Stamp/Seal: [Space for Institutional Stamp]

