

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Abinash Kumar
- **User Type:** [☒] Ph.D. Scholar [☐] Postdoctoral Researcher [☐] Bachelor's [☐] Masters
- **Institution Name** : National Institute of Technology Rourkela
- **Institutional Contact No:** _____
- **Research Topic:** Piezoelectric ceramic

Software Request Details

- **Software Name:** COMSOL Multiphysics
- **Justification for Software Request:** COMSOL Multiphysics will support my research by enabling simulation of coupled physical phenomena such as piezoelectricity, stress distribution, and electric field generation under mechanical loading. It will help in understanding the influence of material properties and geometry on device performance.

Guide/Supervisor Approval

I, Ranabrata Mazumder (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: _____

R. Mazumder
29/07/2025

Date: 29/07/2025

Official Stamp/Seal:

Professor
Department of Ceramic Engineering
National Institute of Technology
Rourkela-769008

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