

I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher: KHOBAIB AKMAL, CHIRAG JHA, KARTIK GUPTA
- User Type: ☐ Ph.D. Scholar ☐ Postdoctoral Researcher ☒ Bachelor's ☐ Masters
- Institution Name : Delhi Technological University (DTU)
- Institutional Contact No: 8800325860
- Research Topic: Structural Health Monitoring Using PZT Sensors (EMI Tech.)

Software Request Details

- Software Name: COMSOL Multiphysics (modules: Solid Mechanics, AC/DC, EM-Structures Interaction, Piezoelectrics)
- Justification for Software Request: - To model a typical Steel Rebar w/ ribs.
- To perform Meshing Operations and embed piezo-sensors for further Graphical Analysis.

Guide/Supervisor Approval

I, Prof. Shilpa Pal, Civil Department (DTU)

- 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: 12/11/2025

Official Stamp/Seal:

Professor
Department of Civil Engineering
Delhi Technological University
Shahbad Zamindar Road,
Delhi-110042

Important Note:

- This form must be signed and scanned
- The scanned copy must be uploaded with the software request
- Electronic signatures are acceptable if from an official institutional email