

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Aswin R
- **User Type:** Bachelor's
- **Institution Name** : National Institute of Technology, Calicut
- **Institutional Contact No:** +91 495 228 6136
- **Research Topic:** Design Optimization of Insulation Oil Clearances in HV Transformers Using 3D Electromagnetic Analysis

Software Request Details

- **Software Name:** COMSOL Multiphysics
- **Justification for Software Request:** COMSOL Multiphysics software can aid in transformer design by allowing me to simulate various aspects of the transformer's performance, including magnetic and electric fields, material behaviour, and equivalent circuit parameters in a fine tune manner.

Guide/Supervisor Approval

I, Dr. Rakesh R Warier(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:

Rakesh

Date: 16/05/2025

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

* Research outcome out of this work shall include NIT Calicut affiliation