

I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher: ROHAN DE
- User Type: ☐ Ph.D. Scholar ☐ Postdoctoral Researcher ☐ Bachelor's ☒ Masters
- Institution Name : IIT PALAKKAD
- Institutional Contact No: 7001441207
- Research Topic: Immersion cooling of Lithium-ion battery

Software Request Details

- Software Name: COMSOL Multiphysics
- Justification for Software Request: My broad area of research is thermal management of battery packs for electric vehicles. I would like to study and analyze heat transfer rates, mean temperature increase and temperature uniformity of battery modules with and without immersion cooling. I would also like to investigate how battery modules respond to changes in ambient temperatures and develop suitable thermal management systems. In order to carry out numerical simulations for the objectives mentioned above, I request to grant me access to COMSOL Multiphysics software.

Guide/Supervisor Approval

I, Dr. Samarjeet Chanda (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: Samarjeet

Date: 14 May 2026

Official Stamp/Seal: [Space for Institutional Stamp]

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

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