

I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher: RICHA VINOD TIWARZ
- User Type: ☒ Ph.D. Scholar ☐ Postdoctoral Researcher ☐ Bachelor's ☐ Masters
- Institution Name: INDIAN INSTITUTE OF TECHNOLOGY MADRAS
- Institutional Contact No: 044-2257-4050
- Research Topic: Modelling Degradation in Lithium-Ion Batteries

Software Request Details

- Software Name: COMSOL MULTIPHYSICS
- Justification for Software Request: [Provide detailed explanation of how the software supports your research objectives] The 'Battery Design Module' is COMSOL Multiphysics software has modules required for simulating Lithium-ion Battery and conduct battery aging study.

Guide/Supervisor Approval

I, C. Lakshmana Rao (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: C. Lakshmana Rao, D.Sc.

Date: 10/03/2025

Official Stamp/Seal: [Space for Institutional Stamp]



C. Lakshmana Rao, D.Sc.
Professor
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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