

I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher: FRANCIS ROBINSON
- User Type: Bachelor's
- Institution Name: Mar Athanasius College of Engineering, Kothamangalam
- Institutional Contact No: 0484 282 2363
- Research Topic: A safer and durable solid-state batteries for EV

Software Request Details

- Software Name: COMSOL Multiphysics
- Justification for Software Request: This software is critical for simulating the complex, coupled interactions between ion transport (electrochemistry), thermal stability (heat transfer), and mechanical stress within the novel electrolyte. By modelling these Multiphysics phenomena, we can accurately predict battery performance, optimize the PANI-PEO composition for safety, and analyse long-term durability.

Guide/Supervisor Approval

I, Brijesh Paul,

- 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: 24-09-2023



Official Stamp/Seal

Dr. BRIJESH PAUL
Professor
Mechanical Engineering

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