

I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher: Anila Polai
- User Type: ☐ Ph.D. Scholar ☒ Postdoctoral Researcher ☐ Bachelor's ☐ Masters
- Institution Name : C.V. Raman Global University, Bhubaneswar.
- Institutional Contact No: 9438712766
- Research Topic: Solid State Electrolyte for Li- ion Battery Application.

Software Request Details

- Software Name: COMSOL Multiphysics
- Justification for Software Request: I am working on synthesis and investigation of electrochemical properties, mechanical strength, thermal and electrochemical stability, and chemical and interfacial compatibility of hybrid composite solid state electrolyte membranes. I am planning to fabricate Lithium-ion cell for evaluation of real time performance of the battery with synthesized membranes. COMSOL Multiphysics software will help in prediction of optimized concentration of constituent materials as well as evaluation of the said properties through simulation in addition the experimental measurements.

Guide/Supervisor Approval

I, Dr. Sabyasachi Parida (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: Sabyasachi Parida

Date: 25.3.25

Official Stamp/Seal: **Dr. S. Parida**
Associate Professor
Department of Physics
C.V. Raman Global University

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