

I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher: Rituraj Jain
- User Type: ☒ Ph.D. Scholar ☐ Postdoctoral Researcher ☐ Bachelor's ☐ Masters
- Institution Name : PDPM IIITDM Jabalpur
- Institutional Contact No: 07612794399
- Research Topic: Modelling and Fabrication of Perovskite Solar Cell for Stability and Efficiency Enhancement

Software Request Details

- Software Name: COMSOL Multiphysics
- Justification for Software Request: Theoretical study of PIN or NIP structured Perovskite based solar cell is done using wave-optics and Semiconductor modules in order to predicts various material properties like trap density, trap energy level, capture cross section, lifetime etc. by means of calibrating experimental results with theoretical one and to get complete picture of device physics.

Guide/Supervisor Approval

I, Dr. M.K. Roy (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: _____

Date: 06/08/2025

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