

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Basabdatta Pati
- **User Type:** [☒] Ph.D. Scholar [☐] Postdoctoral Researcher [☐] Bachelor's [☐] Masters
- **Institution Name :** Indian Institute of Technology (IIT) Jodhpur
- **Institutional Contact No:** 7029704681
- **Research Topic:** Optics & Photonics

Software Request Details

- **Software Name:** COMSOL Multiphysics
- **Justification for Software Request** [Provide detailed explanation of how the software supports your research objectives]: COMSOL Multiphysics will support my research in Optics & Photonics by enabling accurate modeling and simulation of Electromagnetic wave propagation and photonic devices. The software provides multiphysics analysis capabilities that are essential for studying optical materials, waveguides and light matter interactions. It will help optimize device design, analyse performance parameters, and reduce experimental cost and time through virtual prototyping. The simulation results obtained from COMSOL will contribute to high-quality research outcomes, publications, and validation of theoretical modes.

Guide/Supervisor Approval

I, Dr. V. Narayanan (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: V. Narayan

Date: 27-05-2026

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

सह आचार्य
Associate Professor
भौतिकी विभाग

Department of Physics

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