I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher**: Nevia Dcosta
- **User Type**: [✓] Ph.D. Scholar [ ] Postdoctoral Researcher [ ] Bachelor's [ ] Masters
- **Institution Name** : Manipal Institute of Technology
- **Institutional Contact No**: 0820 - 2925625
- **Research Topic**: Chemical Vapour Deposition grown Diamond Based Films for Energy Harvesting Applications

Software Request Details

- **Software Name : COMSOL MULTIPHYSICS**
- **Justification for Software Request**:

  It helps me

  1. To study **electrostatic potential, charge distribution and output voltage** in thin-film structures.
  2. To analyze **mechanical deformation and contact–separation behavior** under cyclic forces.
  3. To optimize **materials, film thickness and device geometry** before fabrication which reduce experimental trials, save **time, cost and resources**

  Therefore, access to COMSOL Multiphysics is important for me to carry out **reliable, high-quality and application-oriented research** in energy harvesting and sensor technologies.

Guide/Supervisor Approval

I, **Dr. Kalpataru Panda**

- 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: 03/01/2026

Official Stamp/Seal:

DEPARTMENT OF PHYSICS
MAHE, MANIPAL
Dt:.....
Manipal Institute of Technology