I-STEM Software Request - Guide Approval Form

User Details

- Name of **Researcher**: Manogya Sharma
- User Type: [ ] Ph.D. Scholar [ ] Postdoctoral Researcher [ ] Bachelor's [✓] Masters
- **Institution Name** : Sardar Vallabhbhai Institute of Technology
- **Institutional Contact No**: +91-261-2201707
- Research **Topic**: RRAM Devices

Software Request **Details**

- **Software Name**: COMSOL Multiphysics
- **Justification for Software Request**: I will use AC/DC, Heat Transfer, and Transport of Diluted Species to interact with heat, and ion migration for simulating filamentary switching and synaptic updates. The Semiconductor Module is essential for modeling the band-alignment and Schottky barriers of MoSe2/WS2. This multiphysics module will help in correlating ion dynamics with the I-V characteristics and synaptic behaviors found in benchmark research.

Guide/Supervisor Approval

I, Vivek Garg (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**: 18/03/26

Date: 18/03/26

Official Stamp/Seal:

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