I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher**: Jishnu Namboodiri VN
- **User Type**: [✓] Ph.D. Scholar [ ] Postdoctoral Researcher [ ] Bachelor's [ ] Masters
- **Institution Name :** IIT Palakkad
- **Institutional Contact No**: 0491 209 2001 (office)
- **Research Topic**: Hydrogen Embrittlement

Software Request Details

- **Software Name**: COMSOL
- **Justification for Software Request**: I require the COMSOL Multiphysics software to model hydrogen embrittlement and crack propagation in metallic materials. The simulation will involve coupling Multiphysics phenomena, including mechanical deformation, hydrogen diffusion, and fracture mechanics. This will aid in understanding failure mechanisms and improving material design for hydrogen-rich environments.

Guide/Supervisor Approval

I, _____ (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: 09/06/25

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