I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher**: Amrut Mujumdar
- **User Type**: [✓] Ph.D. Scholar [ ] Postdoctoral Researcher [ ] Bachelor's [ ] Masters
- **Institution Name:** Indraprastha Institute of Information Technology, Delhi, 110020
- **Institutional Contact No**: 011 2690 7400
- **Research Topic**: XR-DT Framework for Modular Cyber-Physical Control System of Fluid Circuits

Software Request Details

- **Software Name**: COMSOL
- **Justification for Software Request**:
  - I'm requesting this software because my research involves working with pipes, pumps and the movement of fluids.
  - To properly study and test the topics I'm working on, I need to use computer simulations, especially with COMSOL, i.e., CFD, which has special modules for these kinds of fluid flow and dynamics simulations.
  - There are 5 or 6 different modules in COMSOL that are important for me to test and achieve my research goals, as they help me run detailed experiments and check how well my ideas work in practice.

Guide/Supervisor Approval

I, _Dr. Kalpana Shankhwar__ (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: ____ Kalpana _____

Date: __10/09/2025_____

Official Stamp/Seal: [Space for Institutional Stamp]

Okhla Phase-III ★ IIIT-DELHI ★ New Delhi-110020

Important Notes