

I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher: Aditya Anand
- User Type: ☐ Ph.D. Scholar ☐ Postdoctoral Researcher ☒ Bachelor's ☐ Masters
- Institution Name : India Institute of Science , Bengaluru
- Institutional Contact No: +91 802293228
- Research Topic: Studying behaviour of Janus Swimmers in Non-Newtonian fluids

Software Request Details

- Software Name: COMSOL Multiphysics version 6.0
- Justification for Software Request: COMSOL Multiphysics enables accurate simulation of Janus swimmer dynamics in non-Newtonian fluids by solving coupled fluid-structure interactions using the finite element method, helping analyze complex rheological effects and propulsion mechanisms in microscale environments.

Guide/Supervisor Approval

I, Dr. Shubhadeep Mandal,

- 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: Shubhadeep Mandal

Date: 06/06/2025

Dr. Shubhadeep Mandal

Official Stamp/Seal:

Assistant Professor
Department of Mechanical Engineering
Indian Institute of Science
Bengaluru - 560 012, INDIA

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