

I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher : SHATTAKI CHAKRABORTY
- User Type: ☒ Ph.D. Scholar ☐ Postdoctoral Researcher ☐ Bachelor's ☐ Masters
- Institution Name : MAHINDRA UNIVERSITY
- Institutional Contact No: 040-67135100
- Research Topic : Human Body Thermoregulation

Software Request Details

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

Arterial blood flow modelling is critical for predicting human body parts & core temperature. The Arterial blood flow is complex as the fluid is non-Newtonian, the arterial structure is multi branched with variable geometry/multi junctions and the walls are flexible (leads to fluid-structure interaction). Due to these complexities, we envisage that ComSol multi-physics model would help to simulate and predict the arterial blood flow more accurately.

Guide/Supervisor Approval

I, Prof Bhaskar Tamma (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

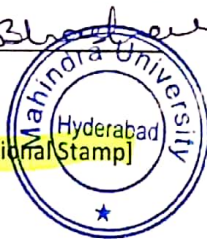
Approval Confirmation

- I approve the software request
- The software aligns with the researcher's research objectives
- The request meets the institutional research guidelines

Guide/Supervisor Signature: T. Bhaskar Tamma

Date: 28/11/2026

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