

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Manojkumar Udgire
- **User Type:** [] Ph.D. Scholar
- **Institution Name** : Chhatrapati Shivaji Maharaj University
- **Institutional Contact No:** 084477 33259
- **Research Topic:** LPBF Additive Manufacturing

Software Request Details

- **Software Name:** COMSOL
- **Justification for Software Request:**
 - Enables simulation of complex multiphysics systems involving heat transfer, fluid flow, structural mechanics, and electromagnetics.
 - Helps in creating accurate computational models that replicate real-world physical conditions.
 - Allows systematic variation of parameters to study system behavior under different scenarios.
 - Supports optimization of designs by identifying the most efficient and effective configurations.
 - Captures interactions between multiple physical domains through multiphysics coupling.
 - Assists in validating theoretical models and experimental results. [Provide detailed explanation of how the software supports your research objectives]

Guide/Supervisor Approval

I, Dr.Sangewar Ravi Kumar (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: 16/04/2026

Official Stamp/Seal:

