

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Harini R
- **User Type:** [(✓)] **Ph.D. Scholar** [] Postdoctoral Researcher [] Bachelor's [] Masters
- **Institution Name:** National Institute of Food Technology, Entrepreneurship and Management, Thanjavur (NIFTEM-T)
- **Institutional Contact No:** +91 4362 228155
- **Research Topic:** Design and development of smart fish transport system

Software Request Details

- **Software Name:** COMSOL Multiphysics 6.0
- **Justification for Software Request:**

COMSOL Multiphysics 6.0 is required to simulate heat transfer and energy efficiency in the insulated fish transport chamber I have designed. The software will support thermal modelling of PCM-based systems, helping to analyse temperature distribution, phase transitions, and insulation performance. These simulations are essential for optimizing chamber design and ensuring effective cold chain management in my research on smart fish transport systems

Guide/Supervisor Approval

I, Dr N Venkatachalapathy, Dean (RC & IR)

- 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

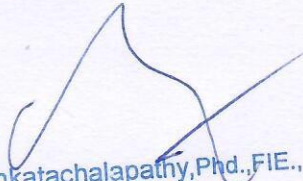
Guide/Supervisor Signature: _____

Date: 21.07.2025

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


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