

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** ANOOP K T
- **User Type:** PhD Scholar
- **Institution Name** : Government Engineering College Thrissur
- **Institutional Contact No:** 0487 - 2334590, 9400006411
- **Research Topic:** Heat transfer enhancement of Adsorption bed in Adsorption refrigeration.

Software Request Details

- **Software Name:** COMSOL MULTIPHYSICS
- **Justification for Software Request:** COMSOL Multiphysics is a powerful simulation tool that enables multiphysics modeling — the simultaneous solving of multiple interacting physical phenomena. In the context of adsorption refrigeration, it supports coupled heat transfer, fluid flow, and mass transfer analyses, all of which are essential for accurately simulating adsorption beds.

Guide/Supervisor Approval

I **Dr. Ramesh A** (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

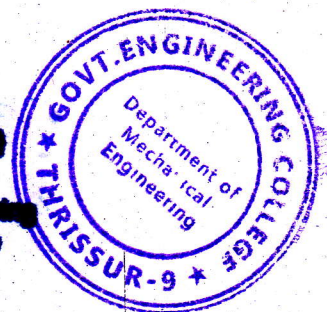
- I approve the software request
- The software aligns with the researcher's research objectives
- The request meets the institutional research guidelines

Guide/Supervisor Signature: _____

Date: 11/06/2025

Official Stamp/Seal: [Space for Institutional Stamp]

Prof. (Dr.) A. Ramesh A
Professor
Dept. of Mechanical Engineering
Govt. Engineering College
Thrissur - 680009



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