I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** AMAL V NAIR
- **User Type:** Bachelor's
- **Institution Name :** CHRIST COLLEGE OF ENGINNERING, IRINJALAKUDA
- **Institutional Contact No:** 0480 2825355
- **Research Topic:** SIMULATION STUDIES AND EXPERIMENTAL ANALYSIS OF MOS BASED MICROGAS SENSOR FOR BIOMEDICAL APPLICATIONS

Software Request Details

- **Software Name:** COMSOL MULTIPHYSICS
- **Justification for Software Request:** My project "Simulation Studies and Experimental Analysis of MOS-based Micro Gas Sensors for Biomedical Applications" needs COMSOL Multiphysics to design and test the sensor in a virtual environment before building it. COMSOL lets me study how heat, electricity, gas flow, and chemical reactions work together in the sensor, and try different materials and designs to improve sensitivity and accuracy. This will help me find the best design faster, reduce costly trial-and-error, and make sure the final sensor works well for biomedical use.

Guide/Supervisor Approval

I, DR.KRISHNAPRIYA S , ASSOCIATE PROFESSOR ,CHRIST COLLEGE OF ENGINEERING

- 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: 7/11/25

Official Stamp/Seal :

CHRIST COLLEGE OF ENGINEERING IRINJALAKUDA

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