

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Muthu Priya R
- **User Type:** Ph.D. Scholar
- **Institution Nam:** St. Xavier's college (Autonomous), Palayamkottai – 627 002.
- **Institutional Contact No:**
- **Research Topic:** Enhancement of Sensitivity of Fluxgate Magnetometer for Digital Compass Application.

Software Request Details

- **Software Name:** COMSOL MULTIPHYSICS.
- **Justification for Software Request:** Fluxgate magnetometer successful development requires physical and simulation modelling more reliable predicting of the device behaviour. Hence, comsol multiphysics is used for the simulation purpose to study the performance and the sensitivity of the fluxgate magnetometer.
- **Guide/Supervisor Approval**
I, Dr. R. MARY JENILA
- 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: 24-03-2026

Official Stamp/Seal: