

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Somavarapu Sai Harsha
- **User Type:** Ph.D. Scholar
- **Institution Name:** Mahindra University
- **Institutional Contact No:** 040-67135100
- **Research Topic:** Magnetoelectric sensor for biomedical applications

Software Request Details

- **Software Name:** LabView
- **Justification for Software Request:**

This software is required to operate a National Instruments CompactRIO (cRIO-9068), NI 9219 DAQ system and Lock-in amplifier, which are being used to validate a biomagnetic sensor prototype. This research focuses on the development of highly sensitive magnetoelectric (ME) composite sensors. This software is strictly required to access and program the cRIO's onboard operating system and Field Programmable Gate Array. Without this specific software suite, it is physically impossible to configure the hardware, implement the custom digital signal processing (DSP) filters required for real-time noise rejection, or log the high-resolution sensor data. This license is critical to advancing the experimental validation phase of this biomedical sensor research.

- **Guide/Supervisor Approval**

I, Dr. Kondaiah. P

- 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: 17/03/2026

Official Stamp/Seal:



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