

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Lohit Srivastav
- **User Type:** Masters
- **Institution Name:** Harcourt Butler Technical University (HBTU), Kanpur
- **Institutional Contact No:** 7236827280
- **Research Topic:** Electrochemical impedance based biosensor

Software Request Details

- **Software Name:** COMSOL (Basic +Advanced)
- **Justification for Software Request:** I require COMSOL SOFTWARE to conduct detailed multiphysics simulations for my impedance-based biosensor project. The software will allow accurate modelling of electrochemical interfaces, electrical field distribution, and frequency-dependent impedance behaviour. It is essential for generating Nyquist plots, analyzing impedance variations, optimizing sensor parameters, and validating experimental results to ensure reliable and publishable research outcomes for high-quality scientific documentation and reporting.

Guide/Supervisor Approval

I, Dr. Braj Bhusan Singh (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

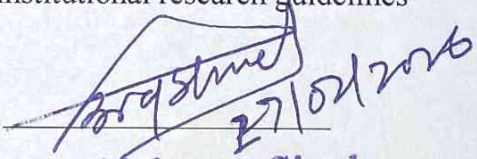
Approval Confirmation

- 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: 17-02-2026

Official Stamp/Seal:


Dr. Braj Bhusan Singh
Assistant Professor
Department of Physics
School of Basic & Applied Sciences
Harcourt Butler Technical University
(HBTU) Kanpur-208002

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