

**Bharati Vidyapeeth (Deemed to be University),
College of Engineering, Pune
Department of Electronics Engineering**

Date: 25/04/2026

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Mrs. Vrushal Prashant Shinde
- **User Type:** Ph.D. Scholar
- **Institution Name:** (Bharati Vidyapeeth Deemed to be University) College of Engineering
- **Institutional Contact No:** 020-24107390
- **Research Topic:** Antenna Design

Software Request Details

- **Software Name:** COMSOL
- **Justification for Software Request:** COMSOL Multiphysics is required for designing and optimizing a wearable antenna for sweat-based biosensing. It enables simulation of key parameters such as S11, frequency, and dielectric properties, and supports analysis of nanomaterials for biomarker detection. The software will help ensure efficient, passive, and wireless real-time monitoring while reducing experimental effort and improving design accuracy.

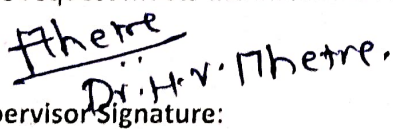
Guide/Supervisor Approval

I, Dr. Harshda Mhetre,

- 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: 25/04/2026

**R&D Cell
B.V.D.U. College of Engineering
Official Stamp/Seal: Pune-Satara Road, Pune - 411 043.**

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