

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** ALLURU SREEVANI
- **User Type:** Ph.D. Scholar
- **Institution Name:** Indian Institute of Information Technology Design and Manufacturing, Kurnool
- **Institutional Contact No:** 91 - 8518 289114
- **Research Topic:** Photonic Crystal Fiber based Sensors

Software Request Details

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

The objective of my research is to design and analyze photonic crystal fiber (PCF)-based sensors for various biomedical and environmental applications. COMSOL Multiphysics is essential for this work, as it enables precise design and simulation of PCFs at different wavelengths. Through this software, I can evaluate key performance parameters such as wavelength sensitivity, amplitude sensitivity, and resolution, which are critical for optimizing sensor performance. Therefore, I request access to COMSOL through ISTEM to carry out my research effectively.

- **Guide/Supervisor Approval**

I, Dr. Valluri Siva Prasad,

- 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: Vopd

Date: 12-03-2025

Official Stamp/Seal: [Space for Institutional Stamp]

