

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** MANDAVA VIJAYALAKSHMI
- **User Type:** Ph.D. Scholar
- **Institution Name:** Indian Institute of Information Technology Design and Manufacturing, Kurnool
- **Institutional Contact No:** 91 - 8518 289100
- **Research Topic:** Photonic Crystal Fiber based Magnetic Field Sensors

Software Request Details

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

The objective of my research is to design and analyse photonic crystal fiber (PCF) for Magnetic field sensing 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.

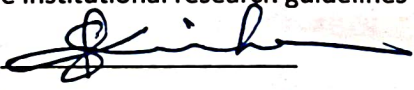
- **Guide/Supervisor Approval**

I, Dr. PUTHA KISHORE,

- 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: 12/03/25

Official Stamp/Seal:

Dr. PUTHA KISHORE
Assistant Professor
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