I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher**: MAHALAKSHMI NUNNA
- **User Type** : Ph.D. Scholar
- **Institution Name** : CSIR- CENTRAL SCIENTIFIC INSTRUMENTS ORGANISATION
- **Institutional Contact No**: 0172-2672-313
- **Research Topic** : DESIGN AND DEVELOPMENT OF QUANTUM LIDAR

Software Request Details

- **Software Name**: COMSOL BASIC AND ADVANCED
- **Justification for Software Request**: My thesis is titled DESIGN AND DEVELOPMENT OF QUANTUM LIDAR. Currently, I am in the 2nd semester of my Integrated Dual Degree PhD program which will tentatively last for approximately 4 years. I will study laser light propagation in different atmospheric conditions. This study will require rigorous simulation work, which I intend to perform in COMSOL software. The COMSOL software based simulation results will be eventually validated by my experimental results in LIDAR.

Guide/Supervisor Approval

I, DR. MANOJ KUMAR BHUYAN (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

डॉ. मनोज कुमार भुयां / Dr. Manoj Kumar Bhuyan
वरिष्ठ वैज्ञानिक / Sr. Scientist
सीएसआईआर – केन्द्रीय वैज्ञानिक उपकरण संगठन
CSIR-Central Scientific Instruments Organisation
सैक्टर 30 – सी, चण्डीगढ़ – 160 030, (भारत)
Sector 30-C, Chandigarh - 160 030, (India)

Guide/Supervisor Signature: Principal Scientist

Date: 02/01/2026

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