I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher**: Isha Shah
- **User Type**: [V] Ph.D. Scholar [ ] Postdoctoral Researcher [ ] Bachelor's [ ] Masters
- **Institution Name** :Thakur College of Engineering and Technology
- **Institutional Contact No**: 022-67308106
- **Research Topic**: _Design and Implementation of a secured NLOS VLC system.

Software Request Details

- **Software Name**: LABVIEW
- **Justification for Software Request**: LabVIEW provides an integrated platform for modelling, simulation, real-time signal processing, data acquisition, and hardware interfacing of the proposed secured NLOS VLC system. It can be used to implement encryption, modulation/demodulation, NLOS channel modelling, photodetector signal acquisition, and performance analysis using parameters such as BER, SNR, and received signal strength. LabVIEW also facilitates real-time visualization of transmitted and received signals and enables experimental validation by interfacing the simulated model with the physical VLC hardware. Hence, it serves as an effective bridge between simulation and practical implementation of the proposed secured NLOS VLC system.
- **Guide/Supervisor Approval**

I, Dr. Lochan Jolly (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: Jolly

Date: 7/8/26.

Official Stamp/Seal: [Space for Institutional Stamp]

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY
Kandivali (E)
MUMBAI-101.

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