

I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher: Sahil Saini
- User Type: [✓] Ph.D. Scholar
- Institution Name: Defence Institute of Advanced technology
- Institutional Contact No: 020-2460-4410
- Research Topic: Photoacoustic effect as mode of Underwater communication

Software Request Details

- Software Name: Lab View
- Justification for Software Request: Guide/Supervisor Approval

LabVIEW is vital for experimental photoacoustic research in underwater communication. It excels in real-time data acquisition from hydrophones and precise control of lasers and transducers, ensuring repeatable experiments. Its extensive signal processing libraries enable immediate analysis of raw data. LabVIEW's customizable interfaces and automation features boost efficiency. It offers powerful data visualization for instant understanding and robust system integration for building complete communication systems. It's also effective for prototyping and ensures data integrity with reliable error handling.

I, Dr. Devnath Dhirhe,

- 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: 28/7/25 _____

Official Stamp/Seal: [Space for Institutional Stamp]

