

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Allen Lobo
- **User Type:** Postdoctoral Researcher
- **Institution Name:** St. Joseph's University
- **Institutional Contact No:** 080-22274079
- **Research Topic:** Computational Physics

Software Request Details

- **Software Name:** Labview
- **Justification for Software Request:** LabVIEW supports our research objectives by enabling efficient data acquisition, real-time processing, and instrument control through its intuitive graphical programming environment. It allows seamless integration with sensors and measurement devices, facilitating automation and reproducibility in experiments. With built-in signal processing and analysis tools, LabVIEW helps in filtering, transforming, and visualizing data efficiently. Its compatibility with external computation tools like MATLAB and Python further enhances its utility in computational physics and molecular dynamics simulations. Additionally, LabVIEW's real-time control capabilities and hardware integration make it a powerful tool for automating experiments and optimizing research workflows.
- **Guide/Supervisor Approval**
I, Dr [Fr] Roshan Castelino, SJ (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:

Date: 18/03/2025


Dr. Roshan Castelino, S.J.

Official stamp/seal:

Dean
St Joseph's Research and
Innovation Council
St Joseph's University
35, Lalbagh Road
Bengaluru 560027, India

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