

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Killol V. Pandya
- **User Type:** ☐ Ph.D. Scholar ☒ Postdoctoral Researcher ☐ Bachelor's ☐ Masters
- **Institution Name** : Chandubhai S. Patel Institute of Technology (CSPIT)
- **Institutional Contact No:** +91-2697-2655112
- **Research Topic:** Data Processing for Space Instrument to detect charge-electric field

Software Request Details

- **Software Name:** LabVIEW
- **Justification for Software Request:** [LabVIEW offers an intuitive graphical programming interface that significantly simplifies the development of data acquisition, instrumentation control, and real-time signal processing systems. Its built-in libraries, extensive hardware compatibility, and seamless integration with NI data acquisition modules allow engineers to rapidly prototype and deploy measurement setups without writing complex code. LabVIEW's parallel execution model is ideal for handling multi-channel sensor data, MIMO antenna measurements, robotics, and embedded system testing, where simultaneous operations are essential. Additionally, its powerful visualization tools, customizable dashboards, and automated reporting capabilities make it highly effective for analyzing results and documenting experiments. Overall, LabVIEW enhances productivity, reduces development time, and ensures reliable, repeatable measurements, which strongly justifies its use in academic laboratories and industrial applications.]

Guide/Supervisor Approval

I, Trushit Upadhyaya (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

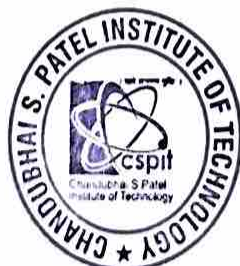
Approval Confirmation

- 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: 04/12/2025

Official Stamp/Seal: [



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