

I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** ___Nitin Jain_____
- **User Type:** Ph.D. Scholar
- **Institution Name :** ___Parul University_____
- **Institutional Contact No:** _____ 18001231104 , 9558210145_____
- **Research Topic:** ___Battery Material Synthesis and simulation_____

Software Request Details

- **Software Name:** __COMSOL, LABView, MATLAB, Gaussian __
- **Justification for Software Request:**

COMSOL Multiphysics and LabVIEW are required to support my research on advanced electrochemical energy storage devices, including supercapacitors and batteries. COMSOL will be used to model and simulate electrochemical processes such as ion transport, charge distribution, and electrode performance, complementing experimental results and optimizing material design. LabVIEW will be used for instrument control, data acquisition, experimental automation, and real-time monitoring of electrochemical measurements. Together, these software packages will improve research efficiency, enable accurate analysis, reduce experimental time, and support the development and validation of high-performance energy storage materials.

- **Guide/Supervisor Approval**

I, _____ Dr. Jiten chudasama _____ (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:



Guide
Dr. Jiten Chudasama
Assistant Professor
PIAS, Parul University

Date: __10/07/2026

Official Stamp/Seal:

DEAN
Doctoral Studies & Research
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