

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

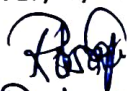
- Software Name: Coventor
- Justification for Software Request: Coventor supports our research objectives by providing a high-fidelity simulation environment for designing and analysing MEMS devices, semiconductor processes, and nanotechnology applications. Its multi-physics simulation capabilities enable coupled analyses of mechanical, electrical, and thermal effects, allowing for accurate virtual prototyping before fabrication. The software's advanced modelling tools enhance the development of innovative MEMS sensors, actuators, and semiconductor structures while improving efficiency and reducing costs. By integrating process modelling and device simulation, Coventor helps optimize designs, predict performance, and accelerate research in micro- and nanoscale systems.
- 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: 17/03/2025


Dr. Roshan Castelino, S.J.

Official Stamp/Seal:

Dean
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