

I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher: PRANAV B NAIR
- User Type: ☒ Ph.D. Scholar ☐ Postdoctoral Researcher ☐ Bachelor's ☐ Masters
- Institution Name: VIT- AP UNIVERSITY
- Institutional Contact No: 0863-2370444 , 0863-2370445
- Research Topic: ORGANIC SYNTHESIS / PEPTIDE CHEMISTRY

Software Request Details

- Software Name: CONSOL
- Justification for Software Request: [Provide detailed explanation of how the software supports your research objectives]

Guide/Supervisor Approval

I, Dr. Sandhya Sadasanandhan (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: 13/05/2025

Official Stamp/Seal: [Space for Institutional Stamp]

Important Notes

- This form must be signed and scanned
- The scanned copy must be uploaded with the software request
- Electronic signatures are acceptable if from an official institutional email



Justification for software request

Pranav B Nair (23PHD7163) / VIT-AP University

As part of my research focused on the development of sensing platforms, I require access to COMSOL Multiphysics to model and study the interaction between my synthesized compounds and target analyte molecules. COMSOL will allow me to perform multiphysics simulations involving chemical transport, reaction kinetics, and electric field distribution, which are critical for understanding and optimizing sensor performance. This modelling is essential to predict the behaviour of my sensing system under different physiological or environmental conditions, enabling more efficient design and targeted sensing strategies. Therefore, access to COMSOL through the I-STEM platform is vital for the theoretical validation and enhancement of my experimental work.