I-STEM Software Request - Guide Approval Form

User Details

- **Name of Researcher:** Vishnudatha. V
- **User Type:** [✓] Ph.D. Scholar [ ] Postdoctoral Researcher [ ] Bachelor's [ ] Masters
- **Institution Name** : Indian Institute of Science (IISc) Bangalore.
- **Institutional Contact No:** 080-2293 2051
- **Research Topic:** Energy optimisation of wastewater treatment plants using mechanistic and data driven models. {CFD, AI-ML}

Software Request Details

- **Software Name:** I-STEM COMSOL Multiphysics, basic + advanced modules.
- **Justification for Software Request:** [Provide detailed explanation of how the software supports your research objectives] The software will be helpful to do CFD simulations in wastewater treatment plant. Also will be helpful for optimization problems in my work.

Guide/Supervisor Approval

I, Lakshminarayana Rao (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: L. N. R.

Date: 04.08.2025.

Official Stamp/Seal:

Prof. LAKSHMINARAYANA RAO
Associate Professor
Centre for Sustainable Technologies
Indian Institute of Science
Bengaluru - 560 012

Important Notes

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