

I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher: Aswathy P Vijayan
- User Type: Ph.D. Scholar
- Institution Name : Sree Kerala Varma College, Thrissur
- Institutional Contact No:
- Research Topic: Enhancement of light harvesting in plasmonic nanostructures by simulation studies

Software Request Details

- Software Name: COMSOL Multiphysics
- Justification for Software Request:

My research work primarily involves simulation studies using COMSOL Multiphysics. The Wave Optics Module is employed to investigate the optical properties of various plasmonic nanostructures. The plasmonic effects exhibited by these nanostructures enable strong localization of the electric field, thereby enhancing light-harvesting efficiency. COMSOL Multiphysics is a cross-platform simulation software that facilitates detailed analysis of light-matter interactions and plasmonic phenomena.

- Guide/Supervisor Approval

I, Dr. Bindu Krishnan (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: _____

Official Stamp/Seal: [Space for Institutional Stamp]

Important Notes

1. This form must be signed and scanned

Dr. BINDU KRISHNAN
Assistant Professor II
Department of Physics
Sree Kerala Varma College
Thrissur.



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