

I-STEM Software Request - Guide Approval Form

User Details

- Name of Researcher: ARNAV S MADANAN
- User Type: ☐ Ph.D. Scholar ☐ Postdoctoral Researcher ☐ Bachelor's ☒ Masters
- Institution Name : REVA UNIVERSITY
- Institutional Contact No: +91-80-46966966
- Research Topic: IR suppressing thin film coated Radar absorbing material.

Software Request Details

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

Guide/Supervisor Approval

I, Dr. Mahipal Ranot (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: 29-09-2026

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

Head, Department of Physics
School of Applied Sciences
REVA University
Rukmini Knowledge Park
Kattigenahalli, Yelahanka, Bengaluru - 64


-29/9/2026
HOD

Justification of software request

COMSOL Multiphysics is required for my research project involving the design, simulation and analysis of radar absorbing material (RAM). The software will be used to model the electromagnetic behaviour of the proposed material, study its interaction with incident EM waves, and evaluate parameters such as reflection, absorption, impedance matching, and electromagnetic losses.

COMSOL will allow the material properties and structural ~~para~~ parameters to be varied systematically without requiring physical fabrication and testing for every combination.

So, I would like to prepare my material with COMSOL, optimize it ~~to~~, coat it with a IR suppressing material and find the most desirable ~~com~~ thickness and other parameters and then proceed for actual physical preparation. This would help to reduce the cost ~~to~~ very much and as a student it would help me a lot.

Thanking you
Arnav S. Madanan

