PMRF-ISSS Teaching Programme

Prime Minister Research Fellowship students' teaching requirement

facilitated by the Institute of Smart Structures and Systems

Module PMRF-ISSS066/2022

Electrodynamics: Problem Solving Sessions

Name of the PMRF student

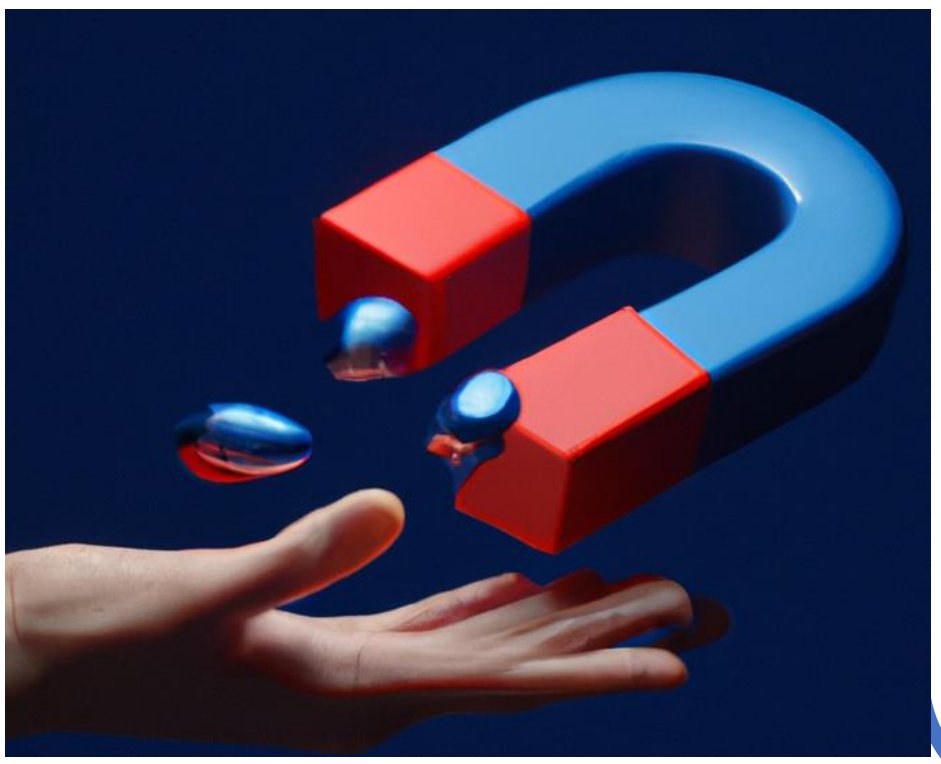
Alapan Bera

Required background of the students taught

Basic knowledge of mathematical methods in physics. Moreover, it can prove beneficial for those preparing for competitive exams.

Online session coordinator

Will be chosen from the list of registrants



Details of the content of the module

This series of sessions is designed to cover problem-solving from basic to advanced levels, encompassing theoretical concepts. Furthermore, simulation software might be utilized to facilitate a thorough comprehension of the key principles.

The problem-solving sessions will cover a diverse range of topics, including:

1. Electric Field and Potential
2. Boundary value problems
3. Electric field in matters
4. Magnetic field in free space
5. Magnetic field in matter
6. Electrodynamics
7. Conservation laws in electrodynamics
8. EM waves and waveguides

Schedule of the module

Start Date: 15.08.23

End Date: 04.10.23

Timings: Tuesday: 8.00 am-10.00 am

Sunday: 8.00 am-10.00 am

Meeting link : Will be shared later

Link:

Contact email ID: isss.forum@gmail.com

Registration link: https://forms.gle/2VFeuxifRpSAXuL76