



Module PMRF-ISSS76/III/2025 Quantum Mechanics I

Name of the PMRF student

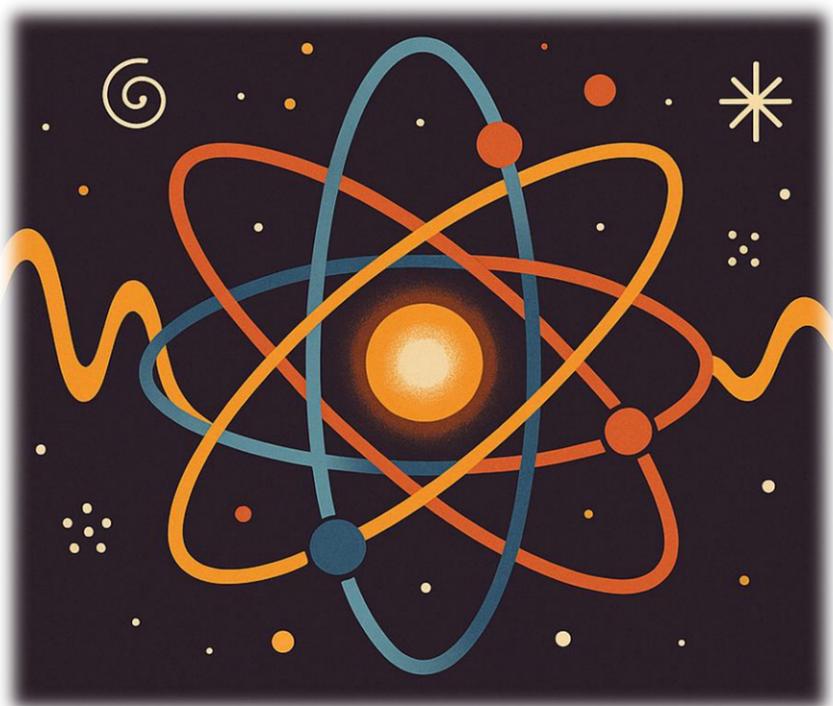
Alapan Bera

Required background of the students taught

Basic knowledge of mathematical physics. It can also 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

The lectures will cover theoretical discussion along with problem-solving sessions in quantum mechanics. Topics will include:

1. The wave function
2. Schrodinger's equation
3. Linear algebra
4. The Hydrogen atom
5. Two-particle systems
6. Time-independent perturbation theory
7. The variational principle
8. The Helium atom

Schedule of the module

Start Date: 23.08.25

End Date: 06.01.26 (tentative)

Course duration may be altered up to a few days depending on the situation.

Timings: Saturday: 8:30 pm – 10.00 pm

Tuesday: 9:00 pm – 10.00 pm

Meeting link : Will be shared later

Link:

Contact email ID: issf.forum@gmail.com

Registration link:

<https://forms.gle/oCyp1GoNQpK4PuE78>