



Module PMRF-PMRF-ISSS012/II/2026

Quantum mechanics for chemists

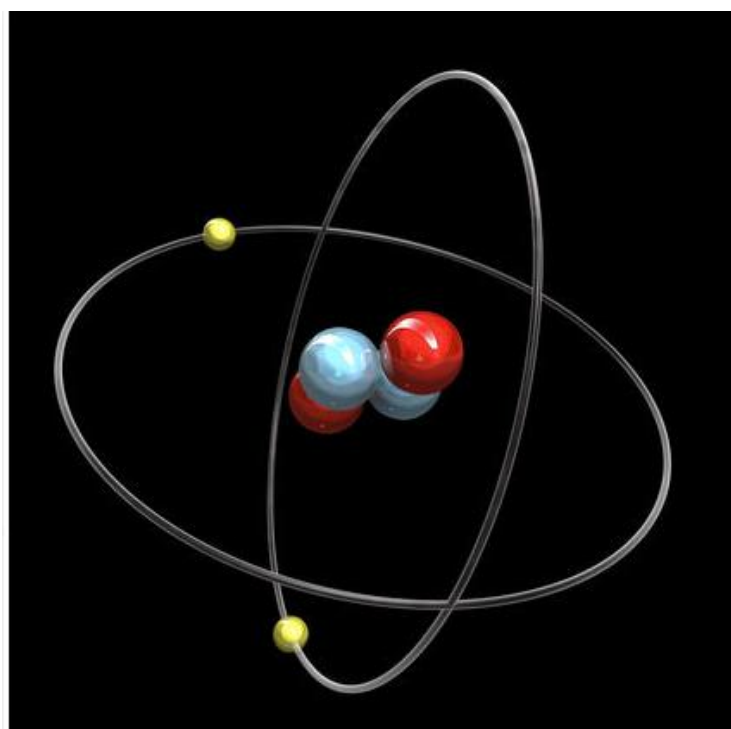
Name of the PMRF student

Kavya S Mony

Required background of the students taught

Basic mathematics for solving the problems

Course is intended for BSc and MSc chemistry students attending GATE or NET or JAM exams in chemistry



Schedule of the module

From April 29 – May 31, 2026

Every Monday 2 hours lecture will be uploaded and doubt clearing sessions will be done online.

Details of the content of the module

- ❖ Introduction to Quantum mechanics
- ❖ Basic mathematics to solve the problems
- ❖ Operators
- ❖ Angular momentum
- ❖ Eigen value problems
- ❖ Particle in a box
- ❖ Harmonic oscillator
- ❖ Hydrogen atom
- ❖ Approximation methods
- ❖ Many electron systems
- ❖ All the topics will be covered along with the problems of previous years GATE and CSIR NET

Meeting link : Will be shared later

[Link](#)

Contact email ID: iss.forum@gmail.com

Registration link:

https://docs.google.com/forms/d/e/1FAIpQLSe1T3kafxKw-nOoh9HxbHV6nIAPwKnyiTHJpCo_kIQ/viewform?usp=publish-editor