

# PMRF-ISSS Teaching Programme

Prime Minister Research Fellowship students' teaching requirement  
facilitated by the Institute of Smart Structures and Systems



## Module PMRF-ISSS043/II/2024

# Classical Physics: Problem Solving Sessions

### Name of the PMRF student

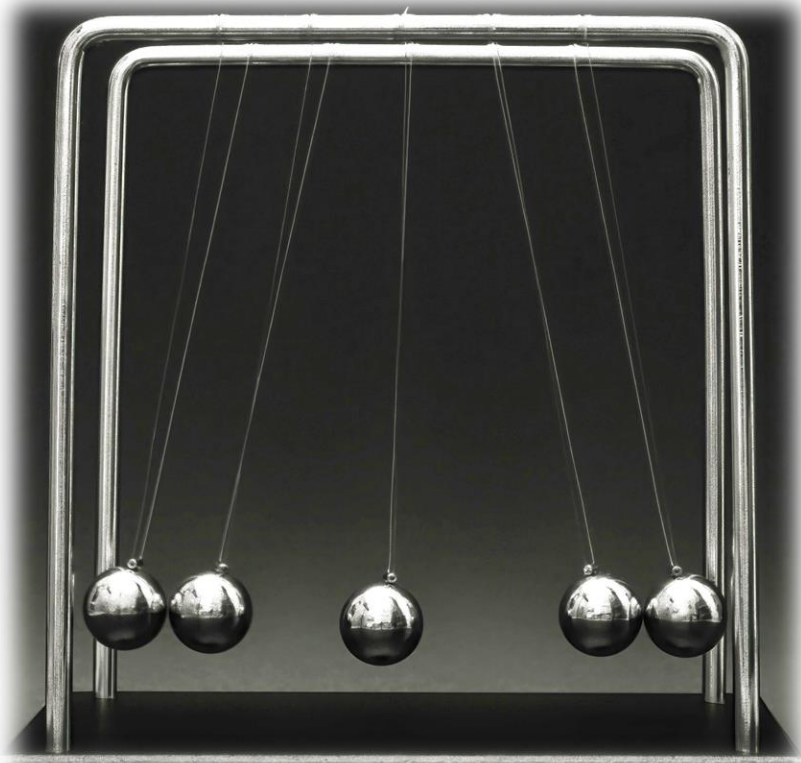
Alapan Bera

### 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. Statics and Kinematics
2. Rotational Dynamics
3. Waves and oscillations
4. Gravitation
5. Fluid dynamics
6. Heat and thermodynamics

### Schedule of the module

Start Date: 04.03.24

End Date: 15.04.24

Course duration may extend up to one week depending on situation.

Timings: :8.30pm-10.30pm

Weekdays: Monday, Wednesday, Saturday, Sunday

Meeting link : Will be shared later

Link:

Contact email ID: [issf.forum@gmail.com](mailto:issf.forum@gmail.com)

Registration link:

<https://forms.gle/Mf84FLM25CpjTLdTA>