



Module PMRF-ISSS069/II/2025

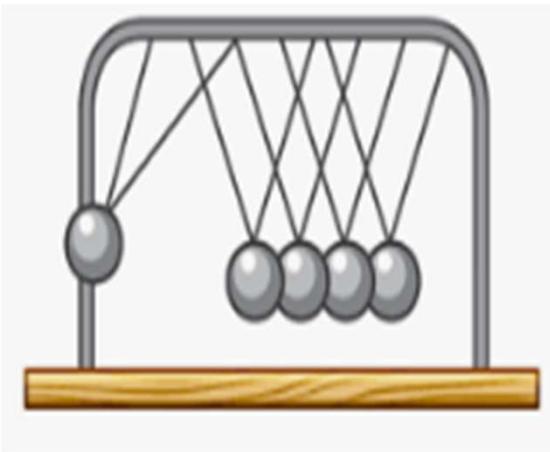
Classical Mechanics

Name of the PMRF student

Tithiparna Das

Required background of the students taught

Basic knowledge of
mathematical physics



Schedule of the module

Start Date : 20/08/2025

End Date : 30/03/2025(tentative)

Timings : Tuesday : 20:30-22:00

Sunday : 10:30-12:00

Details of the content of the module

This will be a lecture series along with problem solving sessions on some basic concept of classical mechanics. This course aiming to build a good understanding of the origin of dynamical systems, central force motion, variational principle, conservation laws etc. The broad topics that will be covered are:

1. Core concepts on Newtonian laws of motion.
2. Variational principle, generalized coordinates, Lagrangian and Hamiltonian formalism.
3. Basics on special relativity
4. Small oscillations.

Meeting link : Will be shared later

[Link](#)

Contact email ID: issf.forum@gmail.com

Registration link:

<https://forms.gle/eigus1ZVab6GE8jX9>