Report on Course Outcome Class
B.Sc. 6th Sem. Physics (HE)
Paper Name: Physics-DSE: Classical Dynamics
Paper Code: PHY-HE-6056
Class taken on: 13th March 2024

The course outcome class for B.Sc. 6th semester (HE) class was taken on 13th March 2024, before commencement of the formal class as per syllabus. In this class the course outcome of the paper "Physics-DSE: Classical Dynamics" was discussed among the students. The summary of the course outcome of the course that has been conveyed to the students is given below.

Course Outcome

After the successful completion of the course, students will be able to

- Understand the fundamental principles of classical mechanics, including Newton's laws of motion and conservation laws.
- Apply mathematical techniques, such as calculus and differential equations, to solve problems in classical mechanics.
- Develop proficiency in the Special Theory of Relativity through a 4-vector approach, including the Lorentz transformations and their implications for space and time.
- Understand the principles of Lagrangian and Hamiltonian mechanics, including their use in describing the dynamics of complex systems and their advantages over Newtonian mechanics.
- Develop critical thinking and problem-solving skills through the application of classical mechanics principles to novel situations.

A Few snapshots of the class-