

Course Outcomes (COs)

Program Name:	B.Sc. (PCM)	AY	2022-23
Course Name:	Mathematical Physics and Newtonian Mechanics	Class / Sem	I sem
Faculty Name:	Dr. Krishna Ji		

Course Outcomes

After completing this course, the student will be able to:

Sl. No.	CO Statement	Taxonomy
CO1	Recognize the difference between scalars, vectors, pseudo-scalars and pseudo-vectors.	Remember
CO2	Understand the physical interpretation of gradient, divergence and curl.	Understand
CO3	Comprehend the difference and connection between Cartesian, spherical and cylindrical coordinate systems.	Analyse
CO4	Know the meaning of 4-vectors, Kronecker delta and Epsilon (Levi Civita) tensors.	Analyse
CO5	Study the origin of pseudo forces in rotating frame	Evaluate
CO6	Study the response of the classical systems to external forces and their elastic deformation.	Create
CO7	Understand the dynamics of planetary motion and the working of Global Positioning System (GPS).	Analysis
CO8	Comprehend the different features of Simple Harmonic Motion (SHM) and wave propagation.	Understand

Taxonomy: Remember, Understand, Apply, Analyse, Evaluate, Create



(Dr. Krishna Ji)

Faculty Signature and Name


Head

Department of Applied Science
Invertis University, Bareilly (U.P.)


Registrar
Invertis University
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Dean
Faculty of Science
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