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Godhatma Shaikshanik Bahuuddeshiya Sanstha's

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COURSE OUTCOMES OF PHYSICS

Class	Title of the Course	Course Specific Outcomes (The students would be able to)
F.Y.B.Sc. Sem I	PHY 101: Basic Mechanics	<ol style="list-style-type: none"> 1. Apply the concept of use of knowledge of mechanics to real life problems. 2. Understanding of the course will create scientific temperament. 3. To provide education in physics of the highest quality at the undergraduate level and generate graduates of the caliber sought by industries and public service as well as academic teachers and researchers of the future. 4. To acquire deep knowledge in fundamental aspects of Physics and basic knowledge in the specialized thrust areas like Mechanics, electricity and magnetism electrostatics and mathematical physics.
	PHY-102 Dynamics and Elasticity	<ol style="list-style-type: none"> 1. To acquire deep knowledge in fundamental aspects of Physics and basic knowledge in the elasticity and mathematical physics.
	PHY-103 Course Code LAB -I	<ol style="list-style-type: none"> 1. Acquire knowledge, skills, working methods and ways of expression which will reflect on all round development of the students' attitudes towards scientific thinking and its applications 2. To develop attitudes such as concern for accuracy and precision, objectivity, and enquiry.
F. Y.B. Sc. Sem II	PHY-201 Electricity and Electrostatics	<ol style="list-style-type: none"> 1. To impart knowledge of basic concepts in Electricity and Magnetism. 2. To provide the knowledge and methodology necessary for solving problems in Physics. 3. The course also involves the related experiments based on the theory. 4. Apply the concept of use of knowledge of Electricity and Magnetism to real life problems. 5. Understanding of the course will create scientific temperament.

	PHY-202 Magnetism and Electromagnetism	1. To acquire deep knowledge in fundamental aspects of Physics and basic knowledge in the specialized thrust areas like Mechanics, electricity and magnetism, electrostatics and mathematical physics.
	PHY-203 LAB -II	1. Acquire knowledge, skills, working methods and ways of expression which will reflect on all round development of the students' attitudes towards scientific thinking and its applications 2. To develop attitudes such as concern for accuracy and precision, objectivity, and Enquiry.
S. Y.B. Sc. Sem III	PHY 301 Thermodynamics and Kinetic theory of gases	1. Apply the concept of use of knowledge of Thermodynamics and kinetic theory of gases to real life problems. 2. Understanding of the course will create scientific temperament.
	PHY 302(A) Electronics-I	1. Apply the concept of use of knowledge of Electronics to real life problems. 2. Understanding of the course will create scientific temperament.
	PHY 303 LAB-III	1. Apply the concept of use of knowledge of Instrumentation to real life problems. 2. Understanding of the course will create scientific temperament.
	PHY 304: (Skill enhancement course I) Renewable energy and Energy Harvesting	1. The aim of this course is not just to impart theoretical knowledge to the students but to provide them with exposure and hands-on learning wherever possible.
S. Y.B. Sc. Sem IV	PHY 401 Waves, Oscillations and acoustics	1. Apply the concept of use of knowledge of Waves and Sound to real life problems. 2. Understanding of the course will create scientific temperament.
	PHY 402 Optics and LASERS	1. Apply the concept of use of knowledge of Optics and LASERS to real life problems. 2. Understanding of the course will create scientific temperament.
	PHY 403 Lab IV	1. Apply the concept of use of knowledge of Instrumentation to real life problems. 2. Understanding of the course will create scientific temperament.
	PHY 404: (Skill enhancement course II) Electrical Circuit and Network Skill	1. The aim of this course is to enable the students to design and trouble shoots the electrical circuits, networks and appliances through hands-on mode.

