COURSE OUTCOME

Physics

	Semester	Course Code	Course Title	Outcome
Physics Honours	**Semester-I**	PHY-H-CC-T-1	**Mathematical physics-1**	**Ability to solve some simple mathematical problems in physics.**
		PHY-H-CC-P-1	**Mathematical physics-1**	**Ability to solve some simple mathematical physical problems in physics through computer programming and numerical analysis.**
		PHY-H-CC-T-2	**Mechanics**	**Ability to understand mechanical laws of physics and to solve mechanical problems.**
		PHY-H-CC-P-2	**Mechanics**	**Ability to establish the physical laws practically.**
		PHY-H-GE-T-1	**Mechanics**	**Ability to understand mechanical laws of physics and to solve mechanical problems.**
		PHY-H-GE-P-1	**Mechanics**	**Ability to establish the physical laws practically.**
	Semester-II	PHY-H-CC-T-3	**Electricity & Magnetism**	**To learn the operation of electrical and magnetic circuits**
		PHY-H-CC-P-3	**Electricity & Magnetism**	**To design the electric circuits and verify the laws of electromagnetism.**
		PHY-H-CC-T-4	**Waves & Optics**	**To understand the different properties of waves and optics.**
		PHY-H-CC-P-4	**Waves & Optics**	**To verify the laws of wave and optics practically.**
		PHY-H-GE-T-2	**Waves & Optics**	**To understand the different properties of waves and optics.**
		PHY-H-GE-P-2	**Waves & optics**	**To verify the laws of wave and optics practically.**
	Semester-III	PHY-H-CC-T-5	**Mathematical physics-1I**	**To solve some known and unknown mathematical problems and evaluate some special functions.**
		PHY-H-CC-P-5	**Mathematical physics-1I**	**To solve some special functions through computer programming.**
		PHY-H-CC-T-6	**Thermal Physics**	**To understand the thermo-dynamical laws.**
		PHY-H-CC-P-6	**Thermal Physics**	**To verify the thermo-dynamical laws practically.**
		PHY-H-CC-T-7	**Digital & Analog Application**	**To understand different digital operations in digital circuits.**
		PHY-H-CC-T-7	**Digital & Analog Application**	**To fabricate digital circuits and verify their operations.**
		PHY-H-GE-T-1	**Mechanics**	**Ability to understand mechanical laws of physics and to solve mechanical problems.**
		PHY-H-GE-P-1	**Mechanics**	**Ability to establish the physical laws practically.**

		PHY-H-SEC-T-1	**Electrical circuit & network skill**	**Ability to design different electrical circuits and network skills.**
	Semester-IV	PHY-H-CC-T-8	**Mathematical physics-1II**	**To solve complex functions and integral transform.**
		PHY-H-CC-P-8	**Mathematical physics-1II**	**Ability to design and solve the computer programming of complex functions and integral transform.**
		PHY-H-CC-T-9	**Elements of modern physics**	**To learn the different aspects of modern physics.**
		PHY-H-CC-P-9	**Elements of modern physics**	**To verify some laws of modern physics and evaluate some important physical parameters.**
		PHY-H-CC-T-10	**Analog system & application**	**To understand different analog circuits and their operations.**
		PHY-H-CC-P-10	**Analog system & application**	**To design different analog circuits and verify some laws of analog systems.**
		PHY-H-GE-T-2	**Waves & Optics**	**To understand the different properties of waves and optics.**
		PHY-H-GE-P-2	**Waves & optics**	**To verify the laws of wave and optics practically.**
		PHY-H-SEC-T-2	**Renewable Energy & Energy harvesting**	**Ability to understand some applications of Renewable Energy & harvest energy.**
	Semester-V	PHY-H-CC-T-11	**Quantum mechanics & application**	**Ability to get some preliminaries idea about Quantum mechanics and solve some simple quantum mechanical problems.**
		PHY-H-CC-P-11	**Quantum mechanics & application**	**To compute some quantum mechanical problems.**
		PHY-H-CC-T-12	**Solid state physics**	**To enhance the idea about crystal structure and different magnetic and dielectric properties of materials.**
		PHY-H-CC-P-12	**Solid state physics**	**To solve some magnetic and dielectric properties of materials practically.**
		PHY-H-DSE-T-1	**Classical Dynamics**	**To solve the classical laws of physics**
		PHY-H-DSE-T-2	**Nuclear & particle physics Physics**	**Ability to acquire knowledge about Nuclear and Particle Physics.**
	Semester-VI	PHY-H-CC-T-13	**Electromagnetic theory**	**Ability to acquire knowledge about em theory.**
		PHY-H-CC-P-13	**Electromagnetic theory**	**Ability to acquire knowledge about em theory and verify laws practically.**
		PHY-H-CC-T-14	**Statistical Mechanics**	**Ability to acquire preliminary knowledge about statistical mechanics.**
		PHY-H-CC-P-14	**Statistical Mechanics**	**To establish some statistical laws of physics through computer programming.**
		PHY-H-DSE-T-3	**Communication Electronics**	**Ability to acquire knowledge about communication of signals.**
		PHY-H-DSE-P-3		

		PHY-H-DSE-T-4	**Dissertation Paper**	**Ability to acquire brief knowledge about some advanced topics from physics and get some idea about research.**
Physics PCC	**Semester-I**	**PHY-G-CC-T-01**	**Mechanics**	**Ability to understand mechanical laws of physics and to solve mechanical problems.**
		PHY-G-CC-P-01		**Ability to establish the physical laws practically.**
	Semester-II	**PHY-G-CC-T-02**	**Waves & Optics**	**To understand the different properties of waves and optics.**
		PHY-G-CC-P-02	**Waves & Optics**	**To verify the laws of wave and optics practically.**
	Semester-III	**PHY-G-CC-T-03**	**Analog system & application**	**To understand different analog circuits and their operations.**
		PHY-G-CC-P-03	**Analog system & application**	**To design different analog circuits and verify some laws of analog systems.**
		PHY-G-SEC-T-1	**Electrical circuit & network skill**	**Ability to design different electrical circuits and network skills.**
	Semester-IV	**PHY-G-CC-T-04**	**Solid state physics**	**To enhance the idea about crystal structure and different magnetic and dielectric properties of materials.**
		PHY-G-CC-P-04	**Solid state physics**	**To solve some magnetic and dielectric properties of materials practically.**
		PHY-G-SEC-T-2	**Renewable Energy & Energy harvesting**	**Ability to understand some applications of Renewable Energy & harvest energy.**
	Semester-V	PHY-G-DSE-T-1	**Electricity & Magnetism**	**To learn the operation of electrical and magnetic circuits**
		PHY-G-DSE-P-1	**Electricity & Magnetism**	**To design the electric circuits and verify the laws of electromagnetism.**
	Semester-VI	PHY-G-DSE-T-2	**Elements of modern physics**	**To learn the different aspects of modern physics.**
		PHY-G-DSE-P-2	**Elements of modern physics**	**To verify some laws of modern physics and evaluate some important physical parameters.**