

**A.V.V.M. SRI PUSHPAM COLLEGE (AUTONOMOUS),
POONDI-613 503, THANJAVUR**



1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific outcomes (PSOs) and Course Outcomes (COs) of the Programmes offered by the Institution

COURSE OUTCOMES

B.Sc.,PHYSICS(2017-2018)

Semester	Category	Paper Code	Title of the Paper	Outcome
I	Part-I	17U1PHT1/H1	Tamil-I/ Hindi-I	<ul style="list-style-type: none"> To know and get the awareness of recent tamil literature
	Part - II	17U1PHE1	English-I	<ul style="list-style-type: none"> To initiate the Students to understand English through Prose, Poetry and Basic Communicative Grammar.
	Core	17U1PHC1	Properties of Matter and Sound	<ul style="list-style-type: none"> To understand the basic properties of materials. To acquire the knowledge about acoustics.
	Core	17U1PHCP1	Major Practical -I	<ul style="list-style-type: none"> Students acquire skills in doing experiments related to properties of matter and sound.
	Allied	17U1PHMAA1	Allied Mathematics-I	<ul style="list-style-type: none"> To introduce the basic concepts of summation of series, theory of equations, special types of matrices, trigonometry and calculus.
	ES	17U1PHES	Environmental studies	<ul style="list-style-type: none"> To get better awareness of Environmental Condition
II	Part-I	17U2PHT2/H2	Tamil-II/Hindi -II	<ul style="list-style-type: none"> To know and get the knowledge of Literature of the middle ages.
	Part - II	17U2PHE2	English - II	<ul style="list-style-type: none"> To impart language and communicative skills through short stories, one act plays and communicative grammar
	Core	17U2PHC2	Mechanics and Special theory of Relativity	<ul style="list-style-type: none"> To introduce the concepts of Dynamics, Friction. To introduce the knowledge about Relativity.
	Core	17U2PHC3	Electricity & Electromagnetism	<ul style="list-style-type: none"> To introduce the basic knowledge about Electrostatics. To introduce the knowledge about Magnetic, Chemical and Heating effects of current.
	Allied	17U2PHMAA2	Allied Mathematics - II	<ul style="list-style-type: none"> To introduce concepts of Hyperbolic function and correlation. To introduce the concepts of numerical solution of ordinary differential equation and 3 dimensional analytical geometry.

	Allied	17U2PHMAA3	Allied Mathematics - III	<ul style="list-style-type: none"> To study vector differentiation and vector integration with application. To study ordinary Differential equation and partial differential equation To study Fourier series and Laplace transforms.
	SBE	17U2PHS1	Skill Based Elective - I	<ul style="list-style-type: none"> Logical and abstract thinking and analytical approach.
	VBE	17U2PHVE	Value Based Education	<ul style="list-style-type: none"> To enhance the understanding of Human physical and mental health and the ability to maintain it well to the life and beyond.
III	Part-I	17U3PHT3/H3	Tamil-III/ Hindi-III	<ul style="list-style-type: none"> To understand the differences and importance of Epics ,Essays, History of Tamil literature
	Part - II	17U3PHE3	English-III	<ul style="list-style-type: none"> To introduce the language of the world renowned dramatist and novelist to enhance the vocabulary and communicative skills of the learners.
	Core	17U3PHC4	Heat and Thermodynamics	<ul style="list-style-type: none"> To introduce the concepts of transmission of heat. To understand the basic concepts of Thermodynamics.
	Core	17U3PHC5	Laser Physics	<ul style="list-style-type: none"> To give general ideas on Lasers. To know the application of Lasers.
	Allied	17U3PHCHA1	Allied Chemistry-I	<ul style="list-style-type: none"> Students should able to understand the standardized names and symbols to represent atoms, molecules, ions and apply on chemical reactions. Students should able to explain the behavior and interactions between matter and energy at both the atomic and molecular levels.
	GS	17U3PHGS	Gender Studies	<ul style="list-style-type: none"> To know the differences Understanding Gender to treat other genders with goodness
	Part-I	17U4PHT4/H4	Tamil-IV/ Hindi - IV	<ul style="list-style-type: none"> To know and get the knowledge of Classical, Sangam, Moral Literatures of Tamil language.

IV	Part - II	17U4PHE4	English - IV	<ul style="list-style-type: none"> To prepare the learners for competitive examinations and to know the fundamentals of practical communication.
	Core	17U4PHC6	Optics	<ul style="list-style-type: none"> To acquire the knowledge about optical instruments. To introduce the knowledge about properties of light.
	Core	17U4PHCP2	Major Practical-II	<ul style="list-style-type: none"> Students acquire skills in doing experiments related to different fields of physics viz. optics, electricity, magnetism, and thermal physics
	Allied	17U4PHCHA2	Allied Chemistry-II	<ul style="list-style-type: none"> Students should understand the possible chemical modification of Aromatic compounds. Students should be able to learn accepted models to describe the reactions between gaseous systems and become aware of their physical properties.
	Allied	17U4PHCHAP1	Allied Chemistry Practical (NS)	<ul style="list-style-type: none"> Facilitate the learner to make solutions of various molar concentrations.
	SBE	17U4PHS2	Skill Based Elective-II	<ul style="list-style-type: none"> A new perspective to look at everything from Physics point of view.
	Core	17U5PHC7	Atomic Physics and Wave Mechanics	<ul style="list-style-type: none"> To introduce the study of structure of atom. To acquire the basic knowledge about nature of particles.
Core	17U5PHC8	Basic Electronics	<ul style="list-style-type: none"> To gain the concepts of electronics. To introduce the knowledge of opto electronic devices. 	
Core	17U5PHC9	Material Science	<ul style="list-style-type: none"> To gain the knowledge about crystallography. To introduce the basic ideas of magnetic and engineering materials. 	
Core	17U5PHCP3	Major Practical - III	<ul style="list-style-type: none"> Students acquire skills in carrying out experiments related to different fields of physics 	

V				like optics, and electronics.
	Major Elective-I	17U5PHEL1A 17U5PHEL1B	Energy Physics/ Information Technology	<ul style="list-style-type: none"> To introduce the awareness of non-conventional energy. (or) <ul style="list-style-type: none"> To introduce the knowledge of different types of computers. To introduce the concepts of communication using computer. To introduce the knowledge about Multimedia technologies and their applications.
	Major Elective-II	17U5PHEL2A 17U5PHEL2B	Digital Electronics/ Bio Physics	<ul style="list-style-type: none"> To gain the knowledge in Digital electronics. (or) <ul style="list-style-type: none"> To introduce the knowledge in biophysics.
	NME	17U5PHNME	Non-Major Elective	<ul style="list-style-type: none"> Awareness of the impact of Physics in social, economical and environmental issues.
	SSD	17U5PHSSD	Soft Skill Development	<ul style="list-style-type: none"> Developing organizational behavior and employment skills to the employment organizations
VI	Core	17U6PHC10	Nuclear Physics	<ul style="list-style-type: none"> To gain the knowledge about Properties of Nuclei. To introduce knowledge Cosmic rays and elementary particles.
	Core	17U6PHC11	Communication Electronics	<ul style="list-style-type: none"> To impart the concepts of Colour TV. To gain the knowledge about Radio and Fiber optic communications.
	Core	17U6PHC12	Linear Integrated Circuits	<ul style="list-style-type: none"> To gain the knowledge in operational amplifiers. To introduce the concepts of IC's.
	Core	17U6PHCP4	Major Practical-IV	<ul style="list-style-type: none"> Students acquire skills on designing electronic circuits and making observations.
	Major Elective-II	17U6PHEL3A 17U6PHEL3B	Programming in C / History of Physics	<ul style="list-style-type: none"> To introduce the knowledge in C programming. (or) <ul style="list-style-type: none"> To know the history of physics.
	Major Elective-IV	17U6PHEL4A 17U6PHEL4B	8085 Microprocessor & Applications /	<ul style="list-style-type: none"> To introduce the knowledge in 8085 Microprocessor.

			Nanoscience	(or)
	GK	17U6PHGK	General knowledge	<ul style="list-style-type: none"> • To introduce basics of Nanoscience. • To make awareness of GK in Competitive World.
	CN	17U6PHCN	Comprehensive Test	<ul style="list-style-type: none"> • To better for the preparations of Competitive Exams in advance.