

## RELATION OF COURSE OUTCOME OF B. TECH. WITH PEO AND PO'S OF DEPARTMENT OF PHYSICS

COURSE NAME AND CODE	COURSEOUT COME	RELATION TO PO AND PEO NOS.
<b>Engineering Physics Theory (PH1103)</b>	1. Use Science Process and Thinking Skills.	(PO6, PO8) ( PEO6)
	2. Observe objects for patterns and record both qualitative and quantitative information.	(PO2, PO3, PO5, PO6, PO10 ) (PEO5)
	3. When given a problem, plan and conduct experiments on the topic.	(PO3, PO5, PO6, PO10)(PEO3,)
	4. Plan procedures to control independent variable.	(PO10)(PEO6)
	5. Analyze data and construct reasonable conclusions.	(PO2, PO3, PO5, PO6)(PEO3)
	6. Communicate Effectively Using Science Language and Reasoning.	(PO7, PO9, PO11)(PEO5)
	7. Provide relevant data to support their inferences and conclusions .	(PO3)(PEO4)
	8. Use mathematical reasoning to communicate information.	(PO10)(PEO4)
	9. To correlate the laws of physics for explaining facts and figures.	(PO8)(PEO2, PEO3)
	10. Development of any devices, appliances, instruments can be done only when the laws of the force governing their actions are understood properly.	(PO5, PO6, PO10) (PEO3)
<b>Engineering Physics Lab (PH1162)</b>	COURSEOUT COME	RELATION TO PO AND PEO NOS.
	1. Learn to validate the laws of general physics in a real experimental situation and correlate the laws of physics for explaining facts and figures.	(PO1,PO2,PO3,PO4, PO5,PO7,PO8)  (PEO1, PEO2, PEO3, PEO5,PEO6)
	2. This will inculcate the scientific thinking skills and develop the curiosity of knowing “why things happen the way it happens”.	(PO5,PO6,PO8, PO9) (PEO2, PEO3, PEO6)
	3. Learn to observe objects/experiments spread over different disciplines of physics for patterns and record both qualitative and quantitative information.	( PO3,PO5,PO7) (PEO2, PEO3, PEO5)
	4. Apply analytical techniques, statistical analysis, graphical analysis, spread sheet data/recording to the experiments and construct reasonable conclusions.	(PO1, PO3) (PEO1, PEO2, PEO3)

**RELATION OF COURSE OUTCOME OF B. TECH. WITH PEO AND  
PO'S OF DEPARTMENT OF PHYSICS**

	5. Apply the scientific method to experiments in the laboratory.	(PO1,PO5,PO8) (PEO1, PEO2, PEO3, PEO6)
	6. Acquire skill for development of any devices, appliances, instruments for different purposes.	(PO6, PO9) (PEO2, PEO3)