

DEPARTMENT OF PHYSICS

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

COURSE OUTLINE TEMPLATE			
Course Title	PHYSICS	Branches	MECHANICAL ENGINEERING A
Course Code	PHIR 11	No. of Credits	3 (2 credit theory+1 credit lab)
Department	PHYSICS	Faculty	DR. R. ELILARASSI
Pre-requisites Course Code	NIL		
Course Coordinator(s) (if, applicable)	Dr. S. Manivannan Dr. N. V. Giridharan		
Other Course Teacher(s)/Tutor(s) E-mail	Details with first year coordinator office	Telephone No.	9942913018
Course Type	<input checked="" type="checkbox"/> Core course <input type="checkbox"/> Elective course		
COURSE OVERVIEW			
<p>The Physics course (PHYSICS I) has been offered to B. Tech first year students of Civil Engineering B and Mechanical Engineering A, for semester I. The Present course PHYSICS I has a weightage of 2 credits for theory and 1 credit for practical lab weightage.</p>			
COURSE OBJECTIVE			
<p>The main objectives of the subject are</p> <ul style="list-style-type: none"> • To make a bridge between the Physics in school and engineering courses. • To introduce the basic concepts of modern science like Photonics, Engineering applications of acoustics, fundamentals of crystal physics and materials science. 			