



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## MECHANICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	<b>Dr. A Jayanth Kumar</b>	Department:	<b>ME</b>
Regulation:	<b>IARE - R16</b>	Batch:	<b>2017 - 2021</b>
Course Name:	<b>Applied Physics</b>	Course Code:	<b>AHS007</b>
Semester:	<b>I</b>	Target Value:	<b>60% (1.8)</b>

#### Attainment of COs:


Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Illustrate the properties of dielectric and magnetic materials which are suitable for engineering applications.	1.60	2.30	1.7	Attainment target not reached
CO2	Outline the basic principles of acoustics of buildings and modern architectural acoustic techniques using Sabines formula.	1.60	2.20	1.7	Attainment target not reached
CO3	Demonstrate the generation and applications of ultrasonic waves in different fields of science and industries.	1.30	2.30	1.5	Attainment target not reached
CO4	Identify the condition of equilibrium from basic concepts and the laws of forces.	0.60	2.20	0.9	Attainment target not reached
CO5	Make use of laws of friction to obtain equilibrium of a body lying on an inclined plane.	0.60	2.30	0.9	Attainment target not reached
CO6	Apply knowledge of parallel and perpendicular theorems to obtain Moment of inertia of different types of objects.	1.30	2.40	1.5	Attainment target not reached

#### Action taken report:

CO1: More assignment and applications may be given for dielectric and magnetic materials.  
CO2: More examples may be given on principles of acoustics of buildings and modern architectural acoustic techniques using Sabines formula  
CO3: More applications of ultrasonic waves in different fields of science and industries need to be given.  
CO4: Additional tutorial hours required to practice principles of the laws of forces.  
CO5: More assignment may be given on laws of friction.  
CO6: More assignment may be given on parallel and perpendicular theorems to obtain Moment of inertia of different types of objects.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Mechanical Engineering  
HOD  
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