



INSTITUTE OF AERONAUTICAL ENGINEERING (Autonomous)

Dundigal, Hyderabad - 500043, Telangana

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. D GOVARDHAN	Department:	Civil Engineering
Regulation:	IARE - BT23	Batch:	2023-2027
Course Name:	Engineering Mechanics	Course Code:	AMED04
Semester:	II	Target Value:	60% (1.8)

Attainment of COs:


Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Determine the unknown forces by free body diagrams to a given equilibrium force system through laws of mechanics.	2.60	2.00	2.5	Attained
CO2	Calculate the system of forces acting on wedge and screw jack by using the laws of static and dynamic frictions.	1.20	2.00	1.4	Not Attained
CO3	Use the concepts of centroid in stability problems for evaluation of area moment of inertia.	2.40	2.00	2.3	Attained
CO4	Identify the mass moment of inertia of symmetrical and non-symmetrical section using the concepts of centre of gravity.	2.20	2.00	2.2	Attained
CO5	Solve the position, velocity, acceleration and the characteristics of a body in dynamic equilibrium for various types of motion using appropriate mathematical tools.	1.20	2.00	1.4	Not Attained
CO6	Develop the governing equation from first principles by using work - energy and impulse - momentum in dynamic equilibrium condition.	2.20	2.00	2.2	Attained


Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO2: Providing numerical problem-solving assignments on force analysis in wedges and screw jacks incorporating laws of static and dynamic friction for real-world applications.

CO5: Need to provide assignments on kinematic analysis for position, velocity, and acceleration in different types of motion in mechanical systems.


Course Coordinator


Mentor


Head of the Department
Civil Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043.