



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. BDY SUNIL	Department:	Aeronautical 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	2.40	2.6	Attained
CO2	Calculate the system of forces acting on wedge and screw jack by using the laws of static and dynamic frictions.	2.00	2.40	2.1	Attained
CO3	Use the concepts of centroid in stability problems for evaluation of area moment of inertia.	2.40	2.40	2.4	Attained
CO4	Identify the mass moment of inertia of symmetrical and non-symmetrical section using the concepts of centre of gravity.	1.40	2.40	1.6	Not 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	2.40	1.4	Not Attained
CO6	Develop the governing equation from first principles by using work - energy and impulse - momentum in dynamic equilibrium condition.	1.20	2.40	1.4	Not Attained

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

CO4: Additional reading content on the mass moment of inertia of symmetrical and non-symmetrical sections is to be provided.

CO5: Additional assignments on solving dynamic equilibrium motion are to be provided.

CO6: Digital content on work-energy and impulse-momentum governing equations are to be provided.

Course Coordinator

Mentor

Head of the Department

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