



# 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:	2024-2028
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.	0.40	2.40	0.8	Not Attained
CO2 Calculate the system of forces acting on wedge and screw jack by using the laws of static and dynamic frictions.	0.40	2.40	0.8	Not Attained
CO3 Use the concepts of centroid in stability problems for evaluation of area moment of inertia.	1.20	2.40	1.4	Not Attained
CO4 Identify the mass moment of inertia of symmetrical and non-symmetrical section using the concepts of centre of gravity.	0.40	2.40	0.8	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.	0.80	2.40	1.1	Not Attained

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

- CO1: Conducted additional lectures emphasizing construction of free body diagrams and equilibrium conditions.  
CO2: Reinforced concepts of static and dynamic friction through remedial classe  
CO3: Conducted revision sessions on centroid determination and stability concept  
CO4: Explained mass moment of inertia for symmetrical and non-symmetrical sections through worked examples  
CO5: Reinforced concepts of position, velocity, and acceleration for various motion  
CO6: Conducted supplementary lectures on work-energy and impulse-momentum methods.

Course Coordinator

Mentor

Head of the Department

Head of the Department  
Aeronautical Engineering  
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