



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. D GOVARDHAN	Department:	Aeronautical Engineering
Regulation:	IARE - R20	Batch:	2022-2026
Course Name:	Engineering Mechanics	Course Code:	AMEC01
Semester:	II	Target Value:	60% (1.8)

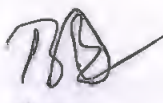
Attainment of COs:


Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Identify the resultant and unknown forces by free body diagram to a given equilibrium force system through mechanics laws and derived laws	0.60	2.10	0.9	Not Attained
CO2 Interpret the static and dynamic friction laws for the equilibrium state of a wedge, ladder and screw jack.	0.00	2.10	0.4	Not Attained
CO3 Identify the centroid and centre of gravity for the simple and composite plane sections from the first principles.	0.90	2.20	1.2	Not Attained
CO4 Calculate moment of inertia and mass moment of inertia of a circular plate, cylinder, cone, sphere other composite sections from the first principles.	1.60	2.10	1.7	Not Attained
CO5 Apply D'Alembert's principle and work energy equations to a dynamic equilibrium system by introducing the inertia force for knowing the acceleration and forces involved in the system.	0.30	2.10	0.7	Not Attained
CO6 Develop the governing equation for momentum and vibrational phenomena of mechanical system by using energy principles for obtaining coefficient of restitution and circular frequency	0.30	2.10	0.7	Not Attained

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

- CO1: Digital content on building free body diagram are to be given.
CO2: Additional reading materials on static and dynamic friction laws are to be provided.
CO3: Digital content on finding centroid and center of gravity are to be provided.
CO4: Additional reading material on calculating moment of inertia are to be provided.
CO5: Digital content on D'Alembert's principle are to be provided.
CO6: Additional reading content on governing equations for mechanical systems are to be provided.


Course Coordinator


Mentor


Head of the Department
Aeronautical Engineering
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