INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. S DEVARAJ	Department:	Aeronautical Engineering
Regulation:	IARE - R20	Batch:	2020-2024
Course Name:	Engineering Mechanics	Course Code:	AMEC01
Semester:	II	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct attaiment	Indirect attaiment	Overall attaiment	Observation
CO1	Identify the resultant and unknown forces by free body diagram to a given equilibrium force system through mechanics laws and derived laws	0.90	2.30	1.2	Not Attained
CO2	Interpret the static and dynamic friction laws for the equilibrium state of a wedge, ladder and screw jack.	0.90	2.30	1.2	Not Attained
CO3	Identify the centroid and centre of gravity for the simple and composite plane sections from the first principles.	0.90	2.30	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.	0.90	2.30	1.2	Not Attained
CO5	Apply D'Alembert's principle and work energy equations toa dynamic equilibrium system by introducing the inertia force for knowing the acceleration and forces involved in the system.	0.60	2.30	0.9	Not Attained
CO6	Develop the governing equation for momentum and vibratational phenomena of mechanical system by using energy principles for obtaining coefficient of restitution and circular frequency	0.90	2.30	1.2	Not Attained

Action Taken:

CO1: Additional Assignments are given to understand free body diagram and its forces.

CO2: Digital content and videos are given in classes for a better understanding of concept.

CO3: Digital content and videos are given in classes for a better understanding of concept.

CO4: Additional Assignments are given on calculation of moment of inertia.

CO5: Additional Assignments are given on work energy equations.

CO6: Digital content and videos are given in classes for a better understanding of concept.

Course Coordinator

Mentor

Head of the Department

Head of the Department
Aeronautical Engineering
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