



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Dr. Y B Sudhir Sastry	Department:	Aeronautical Engineering
Regulation:	IARE - R16	Batch:	2016 - 2020
Course Name:	Mechanism and Machine Design	Course Code:	AAE523
Semester:	V	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Identify the mechanisms and their inversions based on pairs and joints and mobility of mechanisms using Grubblers and Grashoff 's criterion for studying motion of machine elements in engineering applications	1.6	2.6	1.8	Attainment target reached
CO 2	Analyze the planar mechanisms for position, velocity and acceleration links using instantaneous centre method and graphical approach plays a vital role in the development of machines and mechanisms.	0.9	2.6	1.2	Attainment target is not reached
CO 3	Choose the appropriate belt drives, and Cam and Followers for the power transmission with specified motion of follower using cam terminologies for aerospace and allied engineering fields.	0.9	2.6	1.2	Attainment target is not reached
CO 4	Illustrate the gear tooth geometry and appropriate gear train for power transmission at desired speeds and new design of gear boxes in engineering applications	2.3	2.5	2.3	Attainment target reached
CO 5	Make use of the effect of gyroscopic couple for stabilization of ship, Aero-plane, two and four-wheeler vehicles during steering, pitching and rolling	2.3	2.5	2.3	Attainment target reached
CO 6	Explain the methods for reducing undesirable effects of unbalanced masse, when rotating same or different planes using graphical and analytical methods	0.9	2.6	1.2	Attainment target is not reached

Action taken report:

CO 2: Remedial classes have been conducted.

CO 3: Remedial classes have been conducted.

CO 6: Real time application may be better for attainment.

Sudhir Sastry
Course Coordinator

Sudhir Sastry
Mentor

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