



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. V RAGHAVENDER	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	Mechanism and Machine Design	Course Code:	AAEB43
Semester:	VII	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
C01 Identify the mechanisms and their inversions based on pairs and joints and mobility of mechanisms using Grumbler's and Grashaf's criterion for studying motion of machine elements in engineering applications.	2.30	2.20	2.3	Attained
C03 Choose the uniform velocity, simple harmonic motion and uniform acceleration, maximum velocity and acceleration during outward and return strokes effect of gyroscopic precession on the stability of vehicles	0.90	2.20	1.2	Not Attained
C04 Illustrate the gear tooth geometry and appropriate gear train for power transmission at desired speeds and new design of gear boxes in engineering applications	2.30	2.20	2.3	Attained
C05 Make use of the effect of gyroscopic couple for stabilization of ship, Aero-plane, two and four wheeler vehicles during steering, pitching and rolling.	1.40	2.20	1.6	Not Attained
C06 Explain the methods for reducing undesirable effects of unbalanced masse, when rotating same or different planes using graphical and analytical methods when rotating same or different planes using graphical and analytical methods .	0.00	2.20	0.4	Not Attained
C02 Analyze the planar mechanisms for position, velocity and acceleration using instantaneous center method and graphical approach	2.30	2.20	2.3	Attained

#### Action taken report:

C03:

Additional reading materials are provided

C05:

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

C06:

Additional reading materials are provided

  
Course Coordinator

  
Mentor

  
Head of the Department

Head of the Department  
Aeronautical Engineering  
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