



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

MECHANICAL ENGINEERING

## ATTAINMENT OF COURSE OUTCOME ACTION TAKEN REPORT

Name of the faculty:	Ms. P Rajani	Department:	ME
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Computational Mathematics and Integral Calculus	Course Code:	AHS003
Semester:	II	Target Value:	60% (1.8)

### Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Apply numerical methods for solving algebraic, transcendental equations and interpolating the data.	2.30	2.40	2.3	Attainment target reached
CO2	Make use of least square methods for fitting straight lines, second degree, exponential and power curves.	2.30	2.40	2.3	Attainment target reached
CO3	Utilize numerical methods for solving linear differential equations with initial conditions.	1.60	2.40	1.8	Attainment target reached
CO4	Identify the limits of definite integrals for calculating the area of solids.	0.90	2.40	1.2	Attainment target not reached
CO5	Extend vector operations and theorems for finding line, surface and volume integrals.	0.90	2.40	1.2	Attainment target not reached
CO6	Determine characteristics of special functions for solving proper and improper integrals.	0.90	2.30	1.2	Attainment target not reached

### Action taken report:


CO4: More problems given in definite integrals for calculating the area of solids.

CO5: More assignments may be given on vector operations and theorems for finding line, surface and volume integrals.

CO6: Extra tutorial hours required to solve various problems in characteristics of special functions for solving proper and improper integrals.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Mechanical Engineering  
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