INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)

Dundigal, Hyderabad - 500 043

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Dr. P Srilatha	Department:	CE
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.	3.0	2.5	2.9	Attainment target reached
CO2	Make use of least square methods for fitting straight lines, second degree, exponential and power curves.	3.0	2.5	2.9	Attainment target reached
CO3	Utilize numerical methods for solving linear differential equations with initial conditions.	3.0	2.5	2.9	Attainment target reached
CO4	Identify the limits of definite integrals for calculating the area of solids.	0.9	2.5	1.2	Attainment target not reached
CO5	Extend vector operations and theorems for finding line, surface and volume integrals.	0.9	2.5	1.2	Attainment target not reached
CO6	Determine characteristics of special functions for solving proper and improper integrals.	0.9	2.4	1.2	Attainment target not reached

Action taken report:

CO4: Need to provide the more problems and assignments on definite integrals for calculating the area of solids which enables the students to gain more problem-solving skills.

CO5: Need to provide the more problems and assignments on vector operations and theorems for finding line, surface and volume integrals. which enables the students to gain more problem-solving skills.

CO6: Need to provide the more problems and assignments on characteristics of special functions for solving proper and improper integrals which enables the students to gain more problem-solving skills

P. Srilatha
Course Coordinator

Mentor

Head of the Department
Civil Engineering
HOD
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