



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr.J SURESH GOUD	Department:	Aeronautical Engineering
Regulation:	IARE - BT23	Batch:	2023-2027
Course Name:	Differential Equations and Vector Calculus	Course Code:	AHSD08
Semester:	II	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Utilize the methods of differential equations for solving the orthogonal trajectories and Newton's law of cooling	1.40	2.20	1.6	Not Attained
CO2	Solve the higher order linear differential equations with constant coefficients by using method of variation of parameters.	1.80	2.20	1.9	Attained
CO3	Make use of analytical methods for PDE formation to solve boundary value problems.	1.80	2.20	1.9	Attained
CO4	Identify various techniques of Lagrange's method for solving linear partial differential equations which occur in Science and engineering.	1.80	2.20	1.9	Attained
CO5	Interpret the vector differential operators and their relationships for solving engineering problems	2.40	2.20	2.4	Attained
CO6	Apply the integral transformations to surface, volume and line of different geometrical models .	0.80	2.20	1.1	Not Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO1: Additional problems on solving the orthogonal trajectories are to be provided.

CO6: Digital content on the application of integral transformations to surface, volume, and line is to be provided.

Course Coordinator

Mentor

Head of the Department

Head of the Department
Aeronautical Engineering
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