INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Ms. PRAVEENA RAO**	Department:	**Mechanical 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	2.00	2.40	2.1	Attained
CO2	Solve the higher order linear differential equations with constant coefficients by using method of variation of parameters.	1.40	2.40	1.6	Not Attained
CO3	Make use of analytical methods for PDE formation to solve boundary value problems.	1.20	2.40	1.4	Not Attained
CO4	Identify various techniques of Lagrange's method for solving linear partial differential equations which occur in Science and engineering.	1.40	2.40	1.6	Not Attained
CO5	Interpret the vector differential operators and their relationships for solving engineering problems	1.40	2.40	1.6	Not Attained
CO6	Apply the integral transformations to surface, volume and line of different geometrical models .	0.80	2.40	1.1	Not Attained

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

CO2: Assignments to be given on solving the higher order linear differential equations with constant coefficients by using method of variation of parameters.

CO3: Tutorials to be conducted on the use of analytical methods for PDE formation to solve boundary value problems.

CO4: Assignments to be given on various techniques of Lagrange's method for solving linear partial differential equations which occur in Science and engineering

CO5: Tutorials to be conducted on the vector differential operators and their relationships for solving engineering problems

CO6: Assignments to be given on the integral transformations to surface, volume and line of different geometrical models .

Praveena
Course Coordinator

Suresh
Mentor

Head of the Department

Head of the Department
Mechanical Engineering
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