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

COMPUTER SCIENCE AND ENGINEERING (AI&ML)

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Dr. PARASA NAGALAKSHMI DEVI**	Department:	**Computer Science and Engineering (AI&ML)**
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	3.00	2.40	2.9	Attained
CO2	Solve the higher order linear differential equations with constant coefficients by using method of variation of parameters.	3.00	2.40	2.9	Attained
CO3	Make use of analytical methods for PDE formation to solve boundary value problems.	3.00	2.40	2.9	Attained
CO4	Identify various techniques of Lagrange's method for solving linear partial differential equations which occur in Science and engineering.	3.00	2.40	2.9	Attained
CO5	Interpret the vector differential operators and their relationships for solving engineering problems	3.00	2.40	2.9	Attained
CO6	Apply the integral transformations to surface, volume and line of different geometrical models .	3.00	2.40	2.9	Attained

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

Course Coordinator **Mentor** **Head of the Department**

Head of the Department
CSE (Artificial Intelligence & Machine Learning)
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