



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

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

| | | | |
|----------------------|--|---------------|-------------------|
| Name of the faculty: | Ms. PRAVEENA RAO | Department: | Civil 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 | 3.00 | 2.10 | 2.8 | Attained |
| CO2 | Solve the higher order linear differential equations with constant coefficients by using method of variation of parameters. | 0.80 | 2.10 | 1.1 | Not Attained |
| CO3 | Make use of analytical methods for PDE formation to solve boundary value problems. | 1.80 | 2.10 | 1.9 | Attained |
| CO4 | Identify various techniques of Lagrange's method for solving linear partial differential equations which occur in Science and engineering. | 2.40 | 2.10 | 2.3 | Attained |
| CO5 | Interpret the vector differential operators and their relationships for solving engineering problems | 2.40 | 2.10 | 2.3 | Attained |
| CO6 | Apply the integral transformations to surface, volume and line of different geometrical models . | 1.20 | 2.10 | 1.4 | Not Attained |

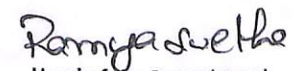
Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO2: Conducting tutorials on higher-order linear differential equations to enhance problem-solving skills.

CO6: Providing assignments on integral transformations focusing on surface, volume, and line integrals to strengthen conceptual understanding.


Course Coordinator


Mentor


Head of the Department
Head of the Department
Civil Engineering
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