



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of Faculty:	Dr. J Suresh Goud	Department:	Aerospace Engineering
Regulation:	R-18	Batch:	2020-2022
Course Name:	Advanced Mathematics In Aerospace Engineering	Course Code:	BAEB01
Semester:	Ist Semester	Target Value:	1.8

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Calculate the unknown values of given equal and unequal spaced data by using Numerical methods.	0.60	2.10	0.9	Not Attained
CO 2	Make use of Lagrange's method and method of separation of variables for solving linear and non linear partial differential equations	0.00	2.40	0.5	Not Attained
CO 3	Interpret the boundary conditions for functions of Parabolic equations by using partial derivatives.	0.90	3.00	1.3	Not Attained
CO 4	Solve the Parabolic equations by using Crank-Nicholson implicit method.	0.90	2.10	1.1	Not Attained
CO 5	Compute the numerical solution of the Hyperbolic Equations by using method of characteristics.	0.90	2.10	1.1	Not Attained
CO 6	Apply the properties of Elliptic Equations for curved boundary analysis by the five-point approximation to Polman's equation.	0.90	2.10	1.1	Not Attained

Action taken report (To be filled by the concerned faculty/ course coordinator):

CO 1: Digital content and videos are given in classes for a better understanding of concept.

CO 2: Additional reading materials are provided on linear and non-linear PDEs

CO 3: Extra inputs are given to enhance the knowledge of parabolic equations

CO 4: Additional Assignments are given implicit methods

CO 5: Digital content is given to enhance the knowledge of hyperbolic equations

CO 6: Extra inputs are given to enhance the knowledge of elliptic equations

Course Coordinator

Mentor

HOD

Head of the Department
Aeronautical Engineering
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