INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of Faculty:	Dr.P Srilatha	Department:	Aerospace Engineering
Regulation:	R-18	Batch:	2019-2021
Course Name:	Advanced Mathematics In Aerospace Engineering	Course Code:	BAEB01
Semester:	I 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.	0.6	2.8	1	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	2.3	2.7	2.4	Attained
CO 3	Interpret the boundary conditions for functions of Parabolic equations by using partial derivatives.	3	2.7	2.9	Attained
CO 4	Solve the Parabolic equations by using Crank-Nicholson implicit method.	0.9	2.6	1.2	Not Attained
CO 5	Compute the numerical solution of the Hyperbolic Equations by using method of characteristics.	1.6	2.7	1.8	Attained
CO 6	Apply the properties of Elliptic Equations for curved boundary analysis.by the five-point approximation to Polman's equation.	3.00	1.60	2.7	Attained

Action taken report (To be filled by the concerned faculty/ course coordinator):
CO 1: Digital content and videos will be given in classes for better understanding of concept.
CO 4: Additional Assignments will be given implicit methods

Course Coordinator

Mentor

HOD

Head of the Department
Aeronautical Engineering
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