INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of Faculty:	Dr. T Shyam Sunder	Department:	Aerospace Engineering
Regulation:	PG-21	Batch:	2021-2023
Course Name:	Advanced Mathematics In Aerospace Engineering	Course Code:	BAEC02
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.	2.7	2.6	2.7	Attained
CO 2	Make use of Lagrange's method and method of separation of variables for solving linear and non linear partial differential equations	2.0	2.4	2.1	Attained
CO 3	Interpret the boundary conditions for functions of Parabolic equations by using partial derivatives.	2.7	2.4	2.6	Attained
CO 4	Solve the Parabolic equations by using Crank-Nicholson implicit method.	1.3	2.4	1.5	Not Attained
CO 5	Compute the numerical solution of the Hyperbolic Equations by using method of characteristics.	0.6	2.7	1.0	Not Attained
CO 6	Apply the properties of Elliptic Equations for curved boundary analysis.by the five-point approximation to Polman's equation.	3.0	2.2	2.8	Attained

Action taken report(To be filled by the concerned faculty/ course coordinator):
CO 4: Real time problems will be discussed for more clarity
CO 5: Application oriented problems may be given.

Course Coordinator

Mentor

HOD-AE
Head of the Department
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