

**INSTITUTE OF AERONAUTICAL ENGINEERING**

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING**ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT**

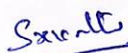
Name of the faculty:	Dr. G SRAVANTHI	Department:	Aeronautical Engineering
Regulation:	IARE - BT23	Batch:	2023-2027
Course Name:	Numerical Methods using MATLAB	Course Code:	AAED04
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Understand the numerical methods in MATLAB use for the accurate of solutions to mathematical problems that may lack analytical solutions or have complex expressions.	2.40	0.00	2.4	Attained
CO2	Make use of MATLAB a user-friendly platform for implementing numerical algorithms efficiently enabling the quick and reliable solution of mathematical problems.	2.40	0.00	2.4	Attained
CO3	Utilize MATLAB's built-in plotting and visualization tools facilitate the interpretation and presentation of numerical results, aiding in a better understanding of the solution behavior.	2.40	0.00	2.4	Attained
CO4	Apply Numerical methods often involve iterative processes, and MATLAB's programming capabilities make it easy to refine and optimize algorithms for improved convergence and accuracy.	2.40	0.00	2.4	Attained
CO5	Make use of MATLAB's matrix-oriented approach is well-suited for handling large datasets, making it advantageous for numerical methods dealing with extensive data or complex systems of equations	2.40	0.00	2.4	Attained
CO6	Apply Numerical methods in MATLAB find applications in various disciplines, including engineering, physics, finance, and more, providing a versatile toolset for solving diverse computational challenges.	2.40	0.00	2.4	Attained

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


Course Coordinator


Mentor


Head of the Department

Head of the Department
Aeronautical Engineering
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