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

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Ms. PRAVEENA RAO**	Department:	**Aeronautical Engineering**
Regulation:	**IARE - BT23**	Batch:	**2024-2028**
Course Name:	**Matrices and Calculus**	Course Code:	**AHSD02**
Semester:	**I**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Determine the rank and solutions of linear equations with elementary operations.	2.40	2.40	2.4	Attained
CO2	Utilize the Eigen values, Eigen vectors for developing spectral matrices.	2.00	2.40	2.1	Attained
CO3	Make use of Cayley-Hamilton theorem for finding powers of the matrix	1.20	2.40	1.4	Not Attained
CO4	Interpret the maxima and minima of given functions.	0.80	2.30	1.1	Not Attained
CO5	Apply the Fourier series expansion of periodic functions for harmonic series.	0.40	2.30	0.8	Not Attained
CO6	Determine the volume of solid bounded regions by using the integral calculus.	0.80	2.30	1.1	Not Attained

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

CO3: Applied the Cayley-Hamilton theorem in the classroom to simplify and compute higher powers of matrices through guided examples and problem-solving exercises.

CO4: Guided students in identifying and interpreting given functions through demonstrations and practice problems.

CO5: Demonstrated the application and guided students through solving related problems in class.

CO6: Explained and applied integral calculus techniques in class to using illustrative examples

Course Coordinator

Mentor

Head of the Department