



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Ms. PARASA NAGALAKSHMI DEVI	Department:	Aeronautical Engineering
Regulation:	IARE - R20	Batch:	2021-2025
Course Name:	Linear Algebra and Calculus	Course Code:	AHSC02
Semester:	I	Target Value:	60% (1.8)

Attainment of COs:


Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Compute the rank and inverse of real and complex matrices with elementary transformation methods.	1.60	2.40	1.8	Attained
CO2 Use the Eigen values, Eigen vectors for developing modal and Spectral matrices from the given matrix.	0.90	2.40	1.2	Not Attained
CO3 Make use of Cayley Hamilton theorem for finding positive and negative powers of the matrix.	0.90	2.40	1.2	Not Attained
CO4 Utilize the mean-value theorems and partial derivatives in estimating the extreme values for functions of several variables.	0.90	2.40	1.2	Not Attained
CO5 Solve the Second and higher order linear differential equations with constant coefficients by using substitution method and method of variation of parameters.	0.90	2.40	1.2	Not Attained
CO6 Apply the Fourier Series expansion of periodic, even and odd functions in analyzing the square wave, sine wave rectifiers.	0.60	2.30	0.9	Not Attained

Action Taken:

- CO2: Additional Assignments are given on eigen values and vectors.
- CO3: Additional Assignments are given on use of Hamilton theorem.
- CO4: Additional Assignments are given on partial derivatives.
- CO5: Additional Assignments are given on solving Linear differential equations.
- CO6: Additional Assignments are given on Fourier expansion and its application.


Course Coordinator


Mentor


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