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

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Mr. P SHANTAN KUMAR**	Department:	**Electronics and Communication Engineering**
Regulation:	**IARE - R20**	Batch:	**2022-2026**
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.	3.00	2.30	2.9	Attained
CO2	Use the Eigen values, Eigen vectors for developing modal and Spectral matrices from the given matrix.	2.30	2.30	2.3	Attained
CO3	Make use of Cayley Hamilton theorem for finding positive and negative powers of the matrix.	0.90	2.30	1.2	Not Attained
CO4	Utilize the mean–value theorems and partial derivatives in estimating the extreme values for functions of several variables.	3.00	2.30	2.9	Attained
CO5	Solve the Second and higher order linear differential equations with constant coefficients by using substitution method and method of variation of parameters.	1.60	2.30	1.7	Not Attained
CO6	Apply the Fourier Series expansion of periodic, even and odd functions in analyzing the square wave, sine wave rectifiers.	1.30	2.30	1.5	Not Attained

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

CO3: Assignment will be given on Cayley Hamilton theorem for finding positive and negative powers of the matrix.

CO5: Assignment will be given on Second and higher order linear differential equations.

CO6: Assignment will be given on Fourier Series expansion of periodic, even and odd functions

Course Coordinator

Mentor

Head of the Department

Head of the Department
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