



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	Mr. CH. Chaitanya	Department:	ECE
Regulation:	UG20	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	Observations
CO1	Compute the rank and inverse of real and complex matrices with elementary transformation methods.	3	2.4	2.9	Target Attained
CO2	Use the Eigen values, Eigen vectors for developing modal and Spectral matrices from the given matrix.	2.3	2.4	2.3	Target Attained
CO3	Make use of Cayley Hamilton theorem for finding positive and negative powers of the matrix.	0.9	2.4	1.2	Target Not Attained
CO4	Utilize the mean-value theorems and partial derivatives in estimating the extreme values for functions of several variables.	1.6	2.4	1.8	Target Attained
CO5	Solve the Second and higher order linear differential equations with constant coefficients by using substitution method and method of variation of parameters.	1.6	2.4	1.8	Target Attained
CO6	Apply the Fourier Series expansion of periodic, even and odd functions in analyzing the square wave, sine wave rectifiers.	1.6	2.4	1.8	Target Attained

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

CO3: Need to provide more problems and assignments on Cayley Hamilton theorem for finding positive and negative powers of the matrix.

Chaitanya
Course Coordinator

Chaitanya
Mentor

P. Munaswamy
HOD

Dr. P. MUNASWAMY M.Tech, Ph.D, MISTE
Professor & Head
ELECTRONICS AND COMMUNICATION ENGINEERING
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad- 500 043, T.S.