



# 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	Branch:	2020-2024
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	2.3	2.9	Attainment target reached
CO2	Use the Eigen values, Eigen vectors for developing modal and Spectral matrices from the given matrix.	1.6	2.2	1.7	Attainment target is not reached
CO3	Make use of Cayley Hamilton theorem for finding positive and negative powers of the matrix.	3	2.2	2.8	Attainment is not yet target reached
CO4	Utilize the mean-value theorems and partial derivatives in estimating the extreme values for functions of several variables.	2.3	2.2	2.3	Attainment target reached
CO5	Solve the Second and higher order linear differential equations with constant coefficients by using substitution method and method of variation of parameters.	2.3	2.2	2.3	Attainment target reached
CO6	Apply the Fourier Series expansion of periodic, even and odd functions in analyzing the square wave, sine wave rectifiers.	0.9	2.2	1.2	Attainment target is not reached

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

CO2: Need to provide more problems and assignments on Eigen values, Eigen vectors for developing modal and Spectral matrices.

CO6: Need to conduct Guest lectures Fourier Series expansion of periodic, even and odd functions in analyzing the square wave, sine wave rectifiers.

*Ch. Chaitanya*  
Course Coordinator

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Mentor

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