



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)  
Dundigal, Hyderabad - 500 043

## COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

### ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	Mr. CH CHAITANYA	Department:	CSIT
Regulation:	UG20	Batch:	2021-2025
Course Name:	Linear Algebra and Calculus	Course Code:	AHSC02
Semester:	I	Target Value:	60% (1.8 on 3 scale)

#### 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	2.7	2.9	Target Attained
CO2 Use the Eigen values, Eigen vectors for developing modal and Spectral matrices from the given matrix.	2.3	2.7	2.4	Target Attained
CO3 Make use of Cayley Hamilton theorem for finding positive and negative powers of the matrix.	0.9	2.7	1.3	Target not Attained
CO4 Utilize the mean-value theorems and partial derivatives in estimating the extreme values for functions of several variables.	2.3	2.7	2.4	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	2.7	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	2.7	1.8	Target Attained

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

In this Course CO3 requires additional attention and it is improved by

CO 3: Conducting tutorial classes and solving more example problems on applying cayley Hamilton theorem for finding powers of a matrix.

*Chaitanya*  
Course Coordinator

*[Signature]*  
Mentor

*[Signature]*  
HOD