

# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad -500 043

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### ATTAINMENT OF COURSE OUTCOMES (COs) – ACTION PLAN

Name of the Faculty	Mr. P Shantan Kumar	Department	CSE
Regulations	UG20	Batch	2020-2024
Course Name	Linear Algebra and Calculus	Course Code	AHSC02
Semester	I	Target Value	70% (2.1 on 3 Scale)

#### Attainment of COs:

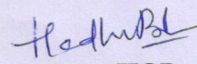
	Course Outcomes	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Compute the rank and inverse of real and complex matrices with elementary transformation methods.	3	2.4	2.9	Target attained
CO2	Use the Eigen values, Eigen vectors for developing modal and Spectral matrices from 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.	3	2.4	2.9	Target attained
CO4	Utilize the mean-value theorems and partial derivatives in estimating the extreme values for functions of several variables.	2.3	2.4	2.3	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.	3	2.4	2.9	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 not attained

#### Action taken report:

CO6: Need to provide more problems as exercise on applications of Fourier Series expansions so that student able to analyze rectifiers.

  
Course Coordinator

  
Mentor

  
HOD  
Head of the Department  
Computer Science and Engineering  
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