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
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