

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:	the Faculty: Mr. P SHANTAN KUMAR Department:		CSIT	
Regulation:	UG20	Batch:	2020-2024	
Course Name:	Linear Algebra and Calculus	Course Code:	AHSC02	
emester: 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.	2.3	2.2	2.3	Target Attained
CO2	Use the Eigen values, Eigen vectors for developing modal and Spectral matrices from the given matrix.	1.6	2.1	1.7	Target not Attained
CO3	Make use of Cayley Hamilton theorem for finding positive and negative powers of the matrix.	2.3	2.2	2.3	Target Attained
CO4	Utilize the mean—value theorems and partial derivatives in estimating the extreme values for functions of several variables.	2.3	2.1	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.	2.3	2.1	2.3	Target Attained
CO6	Apply the Fourier Series expansion of periodic, even and odd functions in analyzing the square wave, sine wave rectifiers.	0.9	2.1	1.1	Target not Attained

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

In this Course CO2, and CO6 requires additional attention and it is improved by

CO 2: Planning to conduct tutorial classes more effectively on finding non trivial solutions of systems for homogenous equations and more assignments should be given on Eigen values, Eigen vectors for developing modal and Spectral matrices

CO 6: Need to provide more exercise problems on applications of Fourier series expansions, so that the students can analyze rectifiers

Course Coordinator

Mentor

MAD