



MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Ms. B PRAVEENA	Department:	Mechanical Engineering
Regulation:	IARE - R20	Batch:	2022-2026
Course Name:	Linear Algebra and Calculus	Course Code:	AHSC02
Semester:	I	Target Value:	50% (1.5)

Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Compute the rank and inverse of real and complex matrices with elementary transformation methods.	2.30	2.60	2.4	Attained
CO2 Use the Eigen values, Eigen vectors for developing modal and Spectral matrices from the given matrix.	2.00	2.70	2.1	Attained
CO3 Make use of Cayley Hamilton theorem for finding positive and negative powers of the matrix.	0.90	2.70	1.3	Not Attained
CO4 Utilize the mean-value theorems and partial derivatives in estimating the extreme values for functions of several variables.	2.70	2.70	2.7	Attained
CO5 Solve the Second and higher order linear differential equations with constant coefficients by using substitution method and method of variation of parameters.	1.30	2.70	1.6	Attained
CO6 Apply the Fourier Series expansion of periodic, even and odd functions in analyzing the square wave, sine wave rectifiers.	0.30	2.70	0.8	Not Attained

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

CO3: Assignments on Cayley Hamilton theorem for finding positive and negative powers of the matrix.

CO6: Assignments on Fourier Series expansion of periodic, even and odd functions


Course Coordinator


Mentor


Head of the Department
Head of the Department
Mechanical Engineering
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