



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. G SATYANARAYANA	Department:	Civil Engineering
Regulation:	IARE - R20	Batch:	2020-2024
Course Name:	Linear Algebra and Calculus	Course Code:	AHSC02
Semester:	I	Target Value:	60% (1.8)

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.	3.00	2.20	2.8	Attained
CO2 Use the Eigen values, Eigen vectors for developing modal and Spectral matrices from the given matrix.	0.90	2.10	1.1	Not Attained
CO3 Make use of Cayley Hamilton theorem for finding positive and negative powers of the matrix.	3.00	2.20	2.8	Attained
CO4 Utilize the mean-value theorems and partial derivatives in estimating the extreme values for functions of several variables.	0.90	2.20	1.2	Not Attained
CO5 Solve the Second and higher order linear differential equations with constant coefficients by using substitution method and method of variation of parameters.	0.90	2.20	1.2	Not Attained
CO6 Apply the Fourier Series expansion of periodic, even and odd functions in analyzing the square wave, sine wave rectifiers.	0.90	2.20	1.2	Not Attained

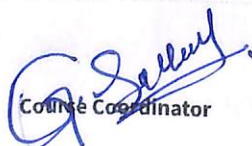
Action Taken:

CO2: Need to provide assignments on Using the Eigen values and Eigen vectors for developing modal and Spectral matrices from the given matrix.


CO4: Additional inputs will be provided on utilizing the mean-value theorems and partial derivatives in estimating the extreme values for functions of several variables.

CO5: Giving assignments and conducting tutorials on the Second and higher-order linear differential equations with constant coefficients by using substitution method and method of variation of parameters.

CO6: Providing more information on Applying the Fourier Series expansion of periodic, even, and odd functions in analyzing the square wave, and sine wave rectifiers.


Course Coordinator


Mentor


Head of the Department
Head of the Department
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