INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. P SHANTAN KUMAR	Department:	Civil Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	Linear Algebra and Calculus	Course Code:	AHSB02
Semester:	I	Target Value:	50% (1.5)

Attainment of COs:

	Course Outcome	Direct attaiment	Indirect attaiment	Overall attaiment	Observation
CO1	Compute the rank and inverse of real and complex matrices with elementary transformation methods.	3.00	2.70	2.9	Attained
CO2	Make use of Eigen values, Eigen vectors for developing modal, Spectral matrices and Cayley Hamilton for powers of the matrix.	2.00	2.70	2.1	Attained
CO3	Utilize the mean–value theorems and partial derivatives in estimating the extreme values for functions of several variables.	1.30	2.70	1.6	Attained
CO4	Solve the Second and higher order linear differential equations with constant coefficients by using substitution method and method of variation of parameters.	0.60	2.70	1	Not Attained
CO5	Apply the definite integral calculus to a function of two or more variable in calculating the area of solid bounded regions.	0.30	2.80	0.8	Not Attained
CO6	Calculate scalar and vector point function, line, surface, volume integral for bounded regions.	0.90	2.70	1.3	Not Attained

Action Taken:

CO4: Additional material and assignments are provided

CO5: Additional Assignments are provided

CO6: Digital content and videos are given in classes for better understanding of concept

Course Coordinator

Mentor

Head of the Department