



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. J Suresh Goud	Department:	ME
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Linear Algebra and Ordinary Differential Equations	Course Code:	AHS002
Semester:	I	Target Value:	60% (1.8)


Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Calculate the rank and inverse of real and complex matrices with elementary transformation methods.	3.00	2.20	2.8	Attainment target reached
CO2	Compute the diagonally equivalent matrix and Cayley Hamiltonion equation of the given matrix by using Eigen values and Eigen vectors.	2.30	2.10	2.3	Attainment target reached
CO3	Interpret the properties of differential equation of first order and first degree and orthogonal trajectories by using integration factor method	2.30	2.20	2.3	Attainment target reached
CO4	Solve the Second and higher order linear homogeneous and non-homogeneous differential equations with constant coefficients by using substitution method	1.70	2.20	1.8	Attainment target reached
CO5	Interpret the extreme values for functions of several variables by using partial derivatives.	2.40	2.20	2.4	Attainment target reached
CO6	Apply mean-value theorems in establishing mathematical inequalities	2.70	2.10	2.6	Attainment target reached

Action taken report: In this course, all the CO's are attained. So no need to take corrective actions.


Course Coordinator


Mentor


Head of the Department
Mechanical Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043