



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## ELECTRICAL AND ELECTRONICS ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Mr. Ch Chaitanya	Department:	EEE
Regulation:	IARE - R16	Batch:	2016 - 2020
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	2.4	2.9	Attained
CO2 Compute the diagonally equivalent matrix and Cayley Hamiltonion equation of the given matrix by using Eigen values and Eigen vectors.	2.7	2.4	2.6	Attained
CO3 Interpret the properties of differential equation of first order and first degree and orthogonal trajectories by using integration factor method	0.6	2.4	1	Not Attained
CO4 Solve the Second and higher order linear homogeneous and non homogeneous differential equations with constant coefficients by using substitution method	2.4	2.3	2.4	Attained
CO5 Interpret the extreme values for functions of several variables by using partial derivatives	0.3	2.4	0.7	Not Attained
CO6 Apply mean-value theorems in establishing mathematical inequalities	3	2.3	2.9	Attained

#### Action taken report:

CO 3: Need to focus on differential equations by providing assignments.  
CO 5: Provide more problems on partial derivatives.

Course Coordinator

Mentor

Head of the Department  
Electrical and Electronics Engineering  
INSTITUTE OF AERONAUTICAL ENGINEERING  
Dundigal, Hyderabad - 500 043