



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

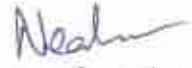
Name of the faculty:	A NEELIMA	Department:	Aeronautical Engineering
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Linear Algebra and Ordinary Differential Equations	Course Code:	AHS002
Semester:	I	Target Value:	65% (1.8)

#### 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	2.7	2.9	Attained target reached
CO2	Compute the diagonally equivalent matrix and Cayley Hamiltonion equation of the given matrix by using Eigen values and Eigen vectors.	1.6	2.6	1.8	Attained target reached
CO3	Interpret the properties of differential equation of first order and first degree and orthogonal trajectories by using integration factor method	3	2.6	2.9	Attained target reached
CO4	Solve the Second and higher order linear homogeneous and non-homogeneous differential equations with constant coefficients by using substitution method	2.3	2.6	2.4	Attained target reached
CO5	Interpret the extreme values for functions of several variables by using partial derivatives.	0.9	2.6	1.2	Attained target not reached
CO6	Apply mean-value theorems in establishing mathematical inequalities	1.6	2.6	1.8	Attained target reached

**Action taken report:** (To be filled by the concerned faculty / course coordinator)

CO 5: Practical and application problems may be included to make students better understanding on the subject.

  
Course Coordinator

  
Mentor

  
Head of the Department **HOD**  
Aeronautical Engineering  
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