INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal,Hyderabad-500043

INFORMATION TECHNOLOGY

ATTAINMENT OF COURSE OUTCOME–ACTION TAKEN REPORT

Name of the faculty:	A. Neelima	Department:	IT
Regulation:	IARE-R16	Batch:	2017 -2021
Course Name:	Linear Algebra and Ordinary Differential Equations.	Course Code:	AHS002
Semester:	I-Semester	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.	3.0	1.4	2.7	Attainment target is reached
CO2	Compute the diagonally equivalent matrix and Cayley Hamiltonion equation of the given matrix by using Eigen values and Eigen vectors.	0.6	1.4	0.8	Attainment target is not yet reached
CO3	Interpret the properties of differential equation of first order and first degree and orthogonal trajectories by using integration factor method	2.3	1.4	2.1	Attainment target is reached
CO4	Solve the Second and higher order linear homogeneous and non homogeneous differential equations with constant coefficients by using substitution method	2.3	1.4	2.1	Attainment target is reached
CO5	Interpret the extreme values for functions of several variables by using partial derivatives.	0.9	1.5	1.0	Attainment target is not yet reached
CO6	Apply mean–value theorems in establishing mathematical inequalities	2.3	1.4	2.1	Attainment target is reached

Action taken report: (To be filled by the concerned faculty/course coordinator):
CO 2: Need to conduct guest lectures on on cayley hamiltonion equation for matrix using eigen values and eigen vectors.
CO 5: Delivering more lecture on partial derivatives.

Course Coordinator   **Mentor**   **HOD**