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

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Mr. G SATYANARAYANA**	Department:	**Civil Engineering**
Regulation:	**IARE - R18**	Batch:	**2018-2022**
Course Name:	**Mathematical Transform Techniques**	Course Code:	**AHSB11**
Semester:	**II**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct attaiment	Indirect attaiment	Overall attaiment	Observation
CO1	Solve algebraic and transcendental equations using Bisection method, Regula-falsi method and Newton-Raphson method	3.00	2.70	2.9	Attained
CO2	Apply numerical methods in interpolating the equal and unequal space data .	3.00	2.70	2.9	Attained
CO3	Make use of method of least squares to fit poliynomial curves and differential equation by numerical methods	2.30	2.70	2.4	Attained
CO4	Apply the Fourier transform as a mathematical function that transforms a signal from the time domain to the frequency domain, non-periodic function up to infinity	1.70	2.70	1.9	Attained
CO5	Explain the properties of Laplace and inverse transform to various functions the integral transforms operations of calculus to algebra in linear differential equations	0.00	2.60	0.5	Not Attained
CO6	Solve the linear, nonlinear partial differential equation by the method of Lagrange's ,separiable and Charpit to concern engineering field	0.00	2.70	0.5	Not Attained

Action taken report:

CO5:

CO5: Giving assignments and conducting tutorials on properties of Laplace and inverse transform to various functions the integral transform operations of calculus to algebra in linear differential equations.

CO6:

CO6: Providing more information and assignments on concepts of linear, nonlinear partial differential equations which enables the students to gain more problem-solving skills.

Course Coordinator

Mentor

Head of the Department

Head of the Department
Civil Engineering
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