



INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Ms. V SUBBALAXMI	Department:	Aeronautical 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 attainment	Indirect attainment	Overall attainment	Observation
CO1 Solve algebraic and transcendental equations using Bisection method, Regula-falsi method and Newton-Raphson method	3.00	2.30	2.9	Attained
CO2 Apply numerical methods in interpolating the equal and unequal space data .	3.00	2.30	2.9	Attained
CO3 Make use of method of least squares to fit polynomials curves and differential equation by numerical methods	3.00	2.30	2.9	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	2.30	1.8	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	0.30	2.30	0.7	Not Attained
CO6 Solve the linear, nonlinear partial differential equation by the method of Lagrange's, separable and Charpit to concern engineering field	0.00	2.30	0.5	Not Attained

Action taken report:

CO5:

Additional reading materials are provided on linear and non-linear PDEs

CO6:

Additional reading materials are provided implicit methods


Course Coordinator


Mentor


Head of the Department

Head of the Department
Aeronautical Engineering
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