INSTITUTE OF AERONATICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	**Mr. P Shantan Kumar**	Department:	**ECE**
Regulation:	**UG20**	Batch:	**2021-2025**
Course Name:	**Mathematical Transform Techniques**	Course Code:	**AHSC07**
Semester:	**II**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Explain the properties of Laplace and inverse transform to various functions such as continuous, piecewise continuous, step, impulsive and complex variable functions.	1.3	2.3	1.5	Not Attained
CO2	Make use of the integral transforms which converts operations of calculus to algebra in solving linear differential equations	0.6	2.3	0.9	Not Attained
CO3	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.	0.9	2.3	1.2	Not Attained
CO4	Apply the definite integral calculus to a function of two or more variables in calculating the area of solid bounded regions	1.6	2.3	1.7	Not Attained
CO5	Develop the differential calculus which transforms vector functions, gradients. Divergence, curl, and integral theorems to different bounded regions in calculating areas.	1	2.3	1.3	Not Attained
CO6	Solve Lagrange's linear equation related to dependent and independent variables the nonlinear partial differential equation by the method of Charpit concern to the engineering field	1.7	2.3	1.8	Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO1:   Conducting Guest lectures on the properties of Laplace and inverse Laplace transform for more practice
CO2:   Giving assignments and conducting tutorials on linear differential equations for more practice
CO3:   Practice tests are conducted on transforms a signal from the time domain to the frequency domain using Fourier transform.
CO4:   Giving assignments and conducting tutorials on the definite integral calculus for more practice
CO5:   Additional inputs will be provided on vector functions, gradients. divergence and curl for more practice

Course Coordinator

Mentor

HOD

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Professor & Head
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