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 - R20**	Batch:	**2022-2026**
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	Observation
CO1	Explain the properties of Laplace and inverse transform to various functions such as continuous, piecewise continuous, step, impulsive and complex variable functions.	1.00	2.40	1.3	Not Attained
CO2	Make use of the integral transforms which converts operations of calculus to algebra in solving linear differential equations	0.00	2.30	0.5	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.	0.60	2.40	1	Not Attained
CO4	Apply the definite integral calculus to a function of two or more variables in calculating the area of solid bounded regions	0.30	2.30	0.7	Not Attained
CO5	Develop the differential calculus which transforms vector functions, gradients. Divergence, curl, and integral theorems to different bounded regions in calculating areas.	0.90	2.40	1.2	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	0.60	2.40	1	Not Attained

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

CO1: Students will be make to practice more problems and assignments on Laplace and inverse transform to various functions

CO2: Students will be make to practice more problems and assignments on calculus to algebra in solving linear differential equations

CO3: Students will be make to practice more problems and assignments on the Fourier transform

CO4: Students will be make to practice more problems and assignments on integral calculus to a function of two or more variables in calculating the area of solid bounded regions

CO5: Students will be make to practice more problems and assignments on vector functions, gradients. Divergence, curl, and integral theorems

CO6: Students will be make to practice more problems and assignments on nonlinear partial differential equation by the method of Charpit.

Course Coordinator **Mentor** **Head of the Department**

Head of the Department
Civil Engineering
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