INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Mr. G. Satyanarayana	Department:	CE
Regulation:	IARE - R16	Batch:	2017 – 2021
Course Name:	Mathematical Transforms Techniques	Course Code:	AHS011
Semester:	IV	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Explain the nature of the Fourier series that represent even and odd functions.	1.60	2.20	1.7	Attainment target not reached
CO2	Apply to compute the Fourier series of the function with one variable	0.80	2.60	1.2	Attainment target not reached
CO3	Identify the role of Fourier transform non-periodic functions up to infinity as a mathematical function in transforming a signal from the time domain to the frequency domain	0.90	2.20	1.2	Attainment target not reached
CO4	Explain the properties of Laplace and inverse transform to various functions the integral transforms operations of calculus to algebra in linear differential equations	0.90	2.50	1.2	Attainment target not reached
CO5	Compute the Z-transforms and inverse of Z-transforms to difference equations by using the methods of partial fractions and convolution method	0.90	2.70	1.3	Attainment target not reached
CO6	Solve the linear, nonlinear partial differential equation by the method of Lagrange's ,separiable and Charpit to concern engineering field	1.60	2.70	1.8	Attainment target not reached

Action taken report:

CO1: Need to provide the more problems and assignments on Fourier series which enables the students to gain more problem-solving skills.

CO2: Need to provide the more problems and assignments on Fourier series of the function with one variable which enables the students to gain more problem-solving skills.

CO3: Need to provide the more problems and assignments on Fourier transform non-periodic functions up to infinity which enables the students to gain more problem-solving skills.

CO4: Need to provide the more problems and assignments on Laplace and inverse transform to various functions which enables the students to gain more problem-solving skills.

CO5: Need to provide the more problems and assignments on Z-transforms and inverse of Z-transforms to difference equations by using the methods of partial fractions which enables the students to gain more problem-solving skills.

CO6: Need to provide the more problems and assignments on linear, nonlinear partial differential equation by the method of Lagrange's, separiable and Charpit which enables the students to gain more problem-solving skills.

Course Coordinator

Mentor

HOD

Head of the Department
Civil Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043