INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

ELECTRICAL AND ELECTRONICS ENGINEERING

ATTAINMENT OF COURSE OUTCOME –ACTION TAKEN REPORT

Name of the faculty:	**Mr. G Satyanarayana**	Department:	**EEE**
Regulation:	**IARE - R16**	Batch:	**2017 - 2021**
Course Name:	**MATHEMATICAL TRANSFORM TECHNIQUES**	Course Code:	**AHS011**
Semester:	**II**	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.	2.7	2.6	2.7	Attained
CO2	Apply to compute the Fourier series of the function with one variable	2.7	2.7	2.7	Attained
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	1.3	2.7	1.6	Not Attained
CO4	Explain the properties of Laplace and inverse transform to various functions the integral transforms operations of calculus to algebra in linear differential equations	1.6	2.7	1.8	Attained
CO5	Compute the Z-transforms and inverse of Z-transforms to difference equations by using the methods of partial fractions and convolution method	1.3	2.7	1.6	Not Attained
CO6	Solve the linear, nonlinear partial differential equation by the method of Lagrange's ,separiable and Charpit to concern engineering field	2.3	2.6	2.4	Attained

Action taken report:

CO 3: More focus on role of Fourier transform
CO 5: Provide more real time applications Z transforms and inverse Z transforms

Course Coordinator **Mentor** **HOD**

Head of the Department
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