INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**CH Soma Shekhar**	Department:	**Aeronautical Engineering**
Regulation:	**IARE - R16**	Batch:	**2016 - 2020**
Course Name:	**Mathematical Transform Techniques**	Course Code:	**AHS011**
Semester:	**III**	Target Value:	**50% (1.8)**

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Explain the nature of the Fourier series that represent even and odd functions.	2.3	2.6	2.4	Attainment target reached
CO 2	Apply to compute the Fourier series of the function with one variable	0.9	2.6	1.2	Attainment target is not yetreached.
CO 3	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	0.9	2.7	1.3	Attainment target is not yet reached.
CO 4	Explain the properties of Laplace and inverse transform to various functions the integral transforms operations of calculus to algebra in linear differential equations	0.9	2.5	1.2	Attainment target is not yet reached.
CO 5	Compute the Z-transforms and inverse of Z-transforms to difference equations by using the methods of partial fractions and convolution method	0.6	2.7	1	Attainment target is not yet reached.
CO 6	Solve the linear, nonlinear partial differential equation by the method of Lagrange`s ,separable and Charpit to concern engineering field	0.6	2.7	1	Attainment target is not yet reached.

Action taken report:

CO 2: More assignments and application problems in Fourier Series may be given for better attainment prospects.
CO 3: More assignments and application problems in Fourier Transforms may be given for better attainment prospects.
CO 4: More assignments and application problems in Laplace equations may be given for better attainment prospects.
CO 5: More assignments and application problems in Z transforms may be given for better attainment prospects.
CO 6: More assignments and application problems in Lagrange`s method may be given for better attainment prospects.

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

Head of the Department
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