

**MECHANICAL ENGINEERING****ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT**

Name of the faculty:	Ms. B PRAVEENA	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	Mathematical Transform Techniques	Course Code:	AHSB11
Semester:	II	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Solve algebraic and transcendental equations using Bisection method, Regula-falsi method and Newton-Raphson method	3.00	1.70	2.7	Attained
CO2	Apply numerical methods in interpolating the equal and unequal space data .	2.70	1.70	2.5	Attained
CO3	Make use of method of least squares to fit polynomials curves and differential equation by numerical methods	3.00	1.80	2.8	Attained
CO4	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	0.30	1.80	0.6	Not Attained
CO5	Explain the properties of Laplace and inverse transform to various functions the integral transforms operations of calculus to algebra in linear differential equations	1.00	1.90	1.2	Not Attained
CO6	Solve the linear, nonlinear partial differential equation by the method of Lagrange's, separable and Charpit to concern engineering field	1.70	1.70	1.7	Not Attained

Action Taken:


CO4: More assignments are to be given on the application of the Fourier transform functions to transform a signal from the time domain to the frequency domain, a non-periodic function up to infinity.

CO5: More problems are to be solved on the application of Laplace and inverse transform function.

CO6: More examples to be solved on Lagrange's, separable and Charpit method for solving linear, nonlinear partial differential equations.


Course Coordinator


Mentor


Head of the Department
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