INSTITUTE OF AERONAUTICAL ENGINEERING
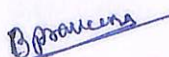
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Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING

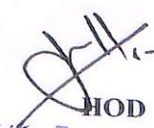### ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	B.Praveena	Department:	ECE
Regulation:	IARE-R16	Batch:	2016-2020
Course Name:	Complex Analysis and Probability Distributions	Course Code:	AHS004
Semester:	II	Target Value:	60% (1.8)

Attainment of Cos:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Identify the fundamental concepts of analyticity and differentiability for calculus of complex functions and their role in applied context.	2.30	2.50	2.3	Attained
CO2	Apply integral theorems of complex analysis and its consequences for the analytic function with derivatives of all orders in simple connected region.	2.30	2.60	2.4	Attained
CO3	Extend the Taylor and Laurent series for expressing the function in terms of complex power series.	1.60	2.50	1.8	Attained
CO4	Apply Residue theorem for computing definite integrals by using the singularities and polesof real and complex analytic functions over closed curves.	2.30	2.50	2.3	Attained
CO5	Explain the concept of random variables and types of random variables by using suitable real time examples	3.00	2.60	2.9	Attained
CO6	Interpret the parameters of random variant Probability distributions such as Binomial, Poisson and Normal distribution by using their probability functions, expectation and variance.	3.00	2.50	2.9	Attained

Course Coordinator

Mentor

HOD