INSTITUTE OF AERONATICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	Ms. B Praveena	Department:	ECE
Regulation:	IARE-R16	Branch:	2017-2021
Course Name:	Complex Analysis and Probability Distribution	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.	2.3	2.5	2.3	Attainment target is not yet reached
CO2	Apply integral theorems of complex analysis and its consequences for the analytic function with derivatives of all orders in simple connected region.	2.3	2.6	2.4	Attainment target reached
CO3	Extend the Taylor and Laurent series for expressing the function in terms of complex power series.	1.6	2.5	1.8	Attainment target reached
CO4	Apply Residue theorem for computing definite integrals by using the singularities and polesof real and complex analytic functions over closed curves.	2.3	2.5	2.3	Attainment target reached
CO5	Explain the concept of random variables and types of random variables by using suitable real time examples	3	2.6	2.9	Attainment target reached
CO6	Interpret the parameters of random variate Probability distributions such as Binomial, Poisson and Normal distribution by using their probability functions, expectation and variance.	3	2.5	2.9	Attainment target reached

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

Head of the Department
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