



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## ELECTRICAL AND ELECTRONICS ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	P Srilatha	Department:	EEE
Regulation:	IARE - R16	Batch:	2016 - 2020
Course Name:	Complex Analysis and Probability Distribution	Course Code:	AHS004
Semester:	IV	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Identify the fundamental concepts of analyticity and differentiability for calculus of complex functions and their role in applied context.	1	2.5	1.3	Not Attained
CO2	Apply integral theorems of complex analysis and its consequences for the analytic function with derivatives of all orders in simple connected region.	0.6	2.4	1	Not Attained
CO3	Extend the Taylor and Laurent series for expressing the function in terms of complex power series.	0.3	2.4	0.7	Not Attained
CO4	Apply Residue theorem for computing definite integrals by using the singularities and poles of real and complex analytic functions over closed curves.	0.6	2.4	1	Not Attained
CO5	Explain the concept of random variables and types of random variables by using suitable real time examples	0.6	2.4	1	Not Attained
CO6	Interpret the parameters of random variate Probability distributions such as Binomial, Poisson and Normal distribution by using their probability functions, expectation and variance.	0.9	2.5	1.2	Not Attained

#### Action taken report:

- CO 1: Need to use digital resources and ICT tools
- CO 2: Provide more assignments on integral theorems
- CO 3: Need to focus on Taylor and Laurent series
- CO 4: More focus on Residue theorem
- CO 5: Provide more concept of random variables
- CO 6: Need to focus on random variate Probability distributions

Course Coordinator

Mentor

HOD

Head of the Department  
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