



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	CH Kumara Swamy	Department:	Aeronautical Engineering
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
CO 1	Identify the fundamental concepts of analyticity and differentiability for calculus of complex functions and their role in applied context.	0.9	2.6	1.2	Attainment target is not yet reached
CO 2	Apply integral theorems of complex analysis and its consequences for the analytic function with derivatives of all orders in simple connected region.	0.6	2.7	1	Attainment target is not yet reached
CO 3	Extend the Taylor and Laurent series for expressing the function in terms of complex power series.	0.9	2.6	1.2	Attainment target is not yet reached
CO 4	Apply Residue theorem for computing definite integrals by using the singularities and poles of real and complex analytic functions over closed curves.	1.6	2.6	1.8	Attainment target reached
CO 5	Explain the concept of random variables and types of random variables by using suitable real time examples	0.9	2.7	1.3	Attainment target is not yet reached
CO 6	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	2.6	1.2	Attainment target is not yet reached

Action taken report:

CO 1: More assignments and application problems in calculus may be given for better attainment prospects.

CO 2: More assignments and application problems in derivatives may be given for better attainment prospects.

CO 3: More assignments and application problems in Taylor and Laurent series may be given for better attainment prospects.

CO 5: More assignments and application problems in random variables may be given for better attainment prospects.

CO 6: More assignments and application problems in Binomial and Poisson distribution may be given for better attainment prospects.

Swamy
Course Coordinator

Swamy
Mentor

Head of the Department
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HOD