INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**P Rajani**	Department:	**Aeronautical Engineering**
Regulation:	**IARE - R16**	Batch:	**2017 - 2021**
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	2.5	1.2	Attainment target is not 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.	0.9	2.5	1.2	Attainment target is not reached
CO 3	Extend the Taylor and Laurent series for expressing the function in terms of complex power series.	0.9	2.5	1.2	Attainment target is not reached
CO 4	Apply Residue theorem for computing definite integrals by using the singularities and polesof real and complex analytic functions over closed curves.	0.9	2.5	1.2	Attainment target is not reached
CO 5	Explain the concept of random variables and types of random variables by using suitable real time examples	0.9	2.5	1.2	Attainment target is not 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	2.5	1.2	Attainment target is not reached

Action taken report: (To be filled by the concerned faculty / course coordinator)

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.
CO 4: Minor modification of syllabus with new trends may be required.
CO 5: More assignments and application problems in random variables may be given for better attainment prospects.
CO 6: More assignments in Binomial and Poisson distribution may be given for better attainment prospects.

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

Head of the Department
Aeronautical Engineering
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