



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

COMPUTER SCIENCE AND ENGINEERING (AI&ML)

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. P USHA	Department:	Computer Science and Engineering (AI&ML)
Regulation:	IARE - BT23	Batch:	2023-2027
Course Name:	Theory of Computation	Course Code:	ACSD31
Semester:	V	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Describe language basics like alphabet, strings, grammars, productions, derivations to construct DFA and NFA	3.00	2.20	2.8	Attained
CO2	Recognize regular expressions, formulate, and build equivalent finite automata for various languages.	3.00	2.20	2.8	Attained
CO3	Identify closure, and decision properties of the languages for checking finiteness, equivalence, and membership.	3.00	2.20	2.8	Attained
CO4	Demonstrate context - free grammars, check the ambiguity of the grammar, and design equivalent PDA to accepting context-free languages.	3.00	2.20	2.8	Attained
CO5	Uses mathematical tools and abstract machine models for complex language- processing tasks.	3.00	2.20	2.8	Attained
CO6	Analyze decidable problems and apply formal methods to prove when problems are undecidable.	3.00	2.20	2.8	Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

Course Coordinator

Mentor

Head of the Department

Head of the Department
CSE (Artificial Intelligence & Machine Learning)
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