INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Dr. CH N SANTHOSH KUMAR**	Department:	**Computer Science and Engineering (Data Science)**
Regulation:	**IARE - UG20**	Batch:	**2021-2025**
Course Name:	**Theory of Computation**	Course Code:	AITC04
Semester:	**V**	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Make use of deterministic finite automata and non deterministic finite automata for modeling lexical analysis and text editors.	3.00	2.20	2.8	Attained
CO2	Extend regular expressions and regular grammars for parsing and designing programming languages.	2.30	2.20	2.3	Attained
CO3	Illusrate the pumping lemma on regular and context free languages for perform negative test .	2.30	2.20	2.3	Attained
CO4	Demonstarte context free grammars, normal forms for generating patterns of strings and minimize the ambiguity in parsing the given strings.	0.70	2.20	1	Not Attained
CO5	Construct push down automata for context free languages for developing parsing phase of a compiler.	2.30	2.20	2.3	Attained
CO6	Apply Turing machines and Linear bounded automata for recognizing the languages,complex problems.	2.30	2.20	2.3	Attained

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

CO4: Students feel difficulty in understand the concepts of context free grammar and normal forms . Allot more number of classes as tutorial hours and see that they have to solve in the class itself, so that student may clarify their doubts

Course Coordinator   **Mentor**   **Head of the Department**

HEAD OF THE DEPARTMENT
CSE (Data Science)
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