



INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad -500 043

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ATTAINMENT OF COURSE OUTCOMES (COS) – ACTION PLAN

Name of the Faculty	V. Divyavani	Department	CSE
Regulations	UG20	Batch	2020-2024
Course Name	Theory of Computation	Course Code	AITC04
Semester	IV	Target Value	70% (2.1 on 3 Scale)

Attainment of COs:

Course Outcomes		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	By Knowing the basic concepts of Alphabet, strings, language, operations to construct DFA, NFA and conversion of NFA to DFA, Moore and Melay Machines and interpret differences between them	3	2.3	2.9	Target attained
CO2	Discuss Regular sets, regular expressions, identity rules to construct finite automata for a given regular expressions and conversion of finite automata to regular expressions.	2	2.2	2	Target not attained
CO3	Apply the pumping lemma on regular and context free languages.	2.3	2.2	2.3	Target attained
CO4	Demonstrate context free grammars, Chomsky and Greibach normal forms for generating patterns of strings and minimize the ambiguity in parsing the given strings	2.3	2.2	2.3	Target attained
CO5	Construct push down automata for context free languages for developing parsing phase of a compiler	2.3	2.2	2.3	Target attained
CO6	Apply Turing machines and Linear bounded automata for recognizing the languages, complex problems	3	2.2	2.8	Target attained

Action taken report:
CO2: Provide Application oriented exercises on “design of statements/expressions for regular language acceptance” to students

Polyanna
Course Coordinator

Hodhul
HOD

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