



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	Mr. N. V. Krishna Rao	Department	CSE
Regulations	R16	Batch	2017 -2021
Course Name	Theory of Computation	Course Code:	AIT002
Semester	IV	Target Value	70% (2.1 on 3 Scale)

Attainment of Cos:

Course Outcomes		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.	2.3	2.5	2.3	Target attained
CO2	Extend regular expressions and regular grammars for parsing and designing programming languages.	2.3	2.5	2.3	Target attained
CO3	Illustrate the pumping lemma on regular and context free languages for performing negative test .	3	2.5	2.9	Target attained
CO4	Demonstrate context free grammars, normal forms for generating patterns of strings and minimize the ambiguity in parsing the given strings.	2.3	2.5	2.3	Target attained
CO5	Construct push down automata for context free languages for developing parsing phase of a compiler.	2.3	2.5	2.3	Target attained
CO6	Apply Turing machines and Linear bounded automata for recognizing the languages, complex problems	2.3	2.5	2.3	Target attained

Course Coordinator

Mentor

Head of the Department
Computer Science and Engineering
HOD
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