


**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: **Mr. SOMLA** Department: **Computer Science and Engineering (AI&ML)**  
 Regulation: **IARE - UG20** Batch: **2022-2026**  
 Course Name: **Theory of Computation** Course Code: **AITC04**  
 Semester: **IV** 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	2.10	2.8	Attained
CO2 Extend regular expressions and regular grammars for parsing and designing programming languages.	3.00	2.10	2.8	Attained
CO3 Illustrate the pumping lemma on regular and context free languages for perform negative test .	3.00	2.10	2.8	Attained
CO4 Demonstrate context free grammars, normal forms for generating patterns of strings and minimize the ambiguity in parsing the given strings.	2.10	2.10	2.1	Attained
CO5 Construct push down automata for context free languages for developing parsing phase of a compiler.	3.00	2.10	2.8	Attained
CO6 Apply Turing machines and Linear bounded automata for recognizing the languages, complex problems.	3.00	2.10	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)  
 INSTITUTE OF AERONAUTICAL ENGINEERING  
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