



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)  
Dundigal, Hyderabad - 500 043

## COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

### ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	Ms. MODI HIMABINDU	Department:	CSIT
Regulation:	UG20	Batch:	2020-2024
Course Name:	Theory of Computation	Course Code:	AITC04
Semester:	IV	Target Value:	60% (1.8 on 3 scale)

#### Attainment of Cos:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observations
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	2.2	2.8	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.	2.7	2.2	2.6	Target Attained
CO3 Apply the pumping lemma on regular and context free languages .	3	2.2	2.8	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	3	2.2	2.8	Target Attained
CO6 Apply Turing machines and Linear bounded automata for recognizing the languages, complex problems	2.3	2.2	2.3	Target Attained

  
Course Coordinator

  
Mentor

  
HOD