



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## INFORMATION TECHNOLOGY

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. U SIVAJI	Department:	Information Technology
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	THEORY OF COMPUTATION	Course Code:	AITB03
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.	2.30	2.10	2.3	Attained
CO2	Extend regular expressions and regular grammars for parsing and designing programming languages.	1.60	2.10	1.7	Not Attained
CO3	Illustrate the pumping lemma on regular and context free languages for perform negative test .	0.00	2.10	0.4	Not Attained
CO4	Demonstrate context free grammars, normal forms for generating patterns of strings and minimize the ambiguity in parsing the given strings.	1.60	2.10	1.7	Not Attained
CO5	Construct push down automata for context free languages for developing parsing phase of a compiler.	1.60	2.10	1.7	Not Attained
CO6	Apply Turing machines and Linear bounded automata for recognizing the languages, complex problems.	2.30	2.10	2.3	Attained

#### Action Taken:

CO2: Need to solve more examples on regular expressions and regular grammars for parsing and designing programming languages.

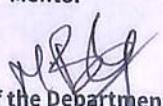
CO3: Need to discuss pumping lemma on regular and context free languages for perform negative test with more examples.

CO4: Need to discuss context free grammars, normal forms for generating patterns by taking more strings as examples.

CO5: Need to solve more examples for constructing push down automata for context free languages.

  
Course Coordinator

  
Mentor

  
Head of the Department