



INFORMATION TECHNOLOGY
ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	DR. K SRINIVASA REDDY	Department:	Information Technology
Regulation:	IARE - R18	Batch:	2018-2022
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.	2.70	2.60	2.7	Attained
CO2 Extend regular expressions and regular grammars for parsing and designing programming languages.	3.00	2.60	2.9	Attained
CO3 Illustrate the pumping lemma on regular and context free languages for perform negative test .	0.90	2.70	1.3	Not Attained
CO4 Demonstrate context free grammars, normal forms for generating patterns of strings and minimize the ambiguity in parsing the given strings.	2.40	2.50	2.4	Attained
CO5 Construct push down automata for context free languages for developing parsing phase of a compiler.	1.00	2.60	1.3	Not Attained
CO6 Apply Turing machines and Linear bounded automata for recognizing the languages, complex problems.	2.40	2.50	2.4	Attained

Action Taken:

CO3: Need to practice the pumping lemma on regular and context free languages for perform negative test .

CO5: Need to practice more examples on push down automata for context free languages in developing parsing phase of a compiler.


Course Coordinator


Mentor


Head of the Department