

Course: FLAT

Scheme : 2010

Course Code: 10CS56

Sem:5

	Course Outcome	POs/ PSOs	C L	Class Sessions (approximate)	Tutorial (Hrs)	Lab Sessions (Hrs)
CO1	Construction of DFA,NFA and ϵ -NFA and regular expressions for the languages	PO1, PO3, PSO1	A P	10	NA	NA
CO2	Understand the concept of converting NFA to DFA, ϵ -NFA to DFA, automata to regular expressions and regular expression to automata	PO1, PSO1	U	8	NA	NA
CO3	Remembering pumping lemma for regular languages and context free languages.	PO1, PSO1	R	4	NA	NA
CO4	Construct a CFG, parse trees and PDA.	PO1, PSO1	A P	10	NA	NA
CO5	Understand the concepts of converting grammar to PDA and PDA to grammar.	PO1, PSO1	A P	8	NA	NA
CO6	Understand the working principles of Turing Machine and post correspondence problem	PO1, PSO1	U	12	NA	NA
Total Hours of instruction				52		

CO-PO Mapping

	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12
CO-1	1	1	1				2	2	3	2	3	2
CO-2	1		1				2	2	3	2	3	2
CO-3	1		1				2	2	3	2	3	2
CO-4	1		1				2	2	3	2	3	2
CO-5	1		1				2	2	3	2	3	2