

**Course:** Design and Analysis of Algorithms (15CS43)

Course Code:15CS43

**Scheme : 2015**

Sem:4

	Course Outcome	POs/ PSOs	CL	Class Sessions (approximate)	Tutorial (Hrs)	Lab Session (Hrs)
CO 1	Understand the notion of an algorithm, asymptotic notations and divide and conquer.	PO1, PSO1	U	10	NA	NA
CO 2	Analyze the recursive and nonrecursive algorithms and divide and conquer.	PO2, PSO1	A	11	NA	NA
CO 3	Understand the algorithm design techniques using greedy method.	PO1 PSO1	U	10	NA	NA
CO 4	Understand the algorithm design techniques using dynamic programming.	PO1 PSO1	U	9	NA	NA
CO 5	Explain the algorithm design techniques using backtracking, branch and bound and NPcomplete and NP-hard problems.	PO1 PSO1	U	10	NA	NA
Total Hours of instruction				50		