

Course: Data Structures and Applications

Scheme: 2015

Course Code: (15CS33)

Sem: 3

	Course Outcome	POs/ PSOs	CL	Class Sessions (approximate)	Tutorial (Hrs)	Lab Sessions (Hrs)
CO1	Understanding the linear and non-linear data structures, Sorting and searching operations, File structures.	PO1	U	10	NA	NA
CO2	Analyze the performance of - Stack, Queue, and Lists.	PO1 PO2	A	12	NA	NA
CO3	Analyze the performance of Trees, Graphs, Searching and Sorting techniques.	PO1 PO2	A	8	NA	NA
CO4	Implement all the applications of Data structures in a high-level language.	PO1	AP	10	NA	NA
CO5	Design and apply appropriate data structures for solving computing problems	PO1 PO2	AP	10	NA	NA
Total Hours of instruction				50		