



Course Code : DSWLX

Course Title

Data Structures on Windows and Unix

Fees : 2500 Rs

Duration : 40 hr

Introduction to Data Structures	Arrays
<ul style="list-style-type: none">■ data structures■ data structure operations■ Algorithm Complexity	<ul style="list-style-type: none">■ linear array representation■ traversal■ insertion■ deletion■ Multidimensional array
Linked lists	Stacks and Queues
<ul style="list-style-type: none">■ Representation■ traversing■ Searching■ Insertion■ Deletion■ two way list■ Circular list	<ul style="list-style-type: none">■ array representation of stack■ linked list representation of stack■ recursion and stack■ linked representation of queue
Trees	Graphs
<ul style="list-style-type: none">■ representation(Binary,AVL, B tree)■ traversing■ searching■ insertion■ deletion	<ul style="list-style-type: none">■ Representation■ operations■ traversing

Searching and Sorting	
<ul style="list-style-type: none">■ bubble sort■ insertion sort■ selection sort■ Merge sort■ Radix sort■ Linear search■ Binary search■ hashing	