

Government Engineering College, Modasa



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Advanced Data Structure (3710215)

Sr. No.	Date	Title	Pg.No.	Sign
1.		Write a program which creates Binary Search Tree. And also implement recursive and non-recursive tree traversing methods inorder , preorder and post-order for the BST.		
2.		Write a program to implement any two hashing methods. Use any one of the hashing method to implement Insert, Delete and Search operations for Hash Table Management.		
3.		Explain Dictionary as an Abstract Data Type. Implement Dictionary using suitable Data Structure.		
4.		Write a program which creates AVLTree. Implement Insert and Delete Operations in AVL Tree. Note that each time the tree must be balanced.		
5.		Implement Red-Black Tree.		
6.		Implement 2-3 Tree.		
7.		Implement B Tree.		
8.		Implement a program for String Matching using Boyer- Moore Algorithm on a text file content		
9.		Implement a program for String Matching using Knuth-Morris-Pratt Algorithm on a text file content.		
10.		Implement Huffman-Coding Method. Show the result with suitable example.		
11.		Write a program which creates Skip Lists. Implement Insert, Search and Update Operations in Skip-Lists.		