

**DEPARTMENT OF COMPUTER ENGINEERING**

**DATA AND FILE STRUCTURES**

**MINI PROJECT ASSIGNMENT NO. 4**

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| **GROUP ID:** | 02 |
| **GROUP MEMBERS:** | 1. Team Leader: 307 Niranjan Patil 2. Member : 315 Pratik Rathod 3. Member : 316 Shweta Sadwani |
| **TITLE:** | TECHNICAL DICTIONARY |
| **SUMMARY OF THE PROJECT WORK** | OBJECTIVE: to search particular technical words related to various subjects, sciences and arts, helpful for teachers, students, experts of particular branch,  IMPORTANT FEATURES: our program on technical dictionary will perform various important operations like adding a new word to the technical dictionary, modifying a word or its related meaning or both, searching a particular words meaning, and lastly displaying all the contents or some contents of the technical dictionary.  METHOD: firstly we will create a class node and a class dict that is our so called technical dictionary class, then we will create a file or open the existing file. Enter the words along with their meaning in data field of the new node created. Store all the words along with their meanings in a file using file handling and in that using append mode so that any new word added is added at the end of the previously stored data. Then we will, sort the words stored in the file in ascending or descending order using sorting algorithm (bubble sort, merge sort, selection sort). Store all the sorted elements in a BST. Perform various operations like searching a particular word to find its meaning, display all words of the dictionary or the particular words as per the users instruction. To add a new word we will have to add it in the file, sort the contents again store in BST and display the complete list.  OUTCOME: in this way, we have designed a technical dictionary and perform various operations , in this we can add words , update the word or its meaning or both, display the contents of the technical dictionary which we have designed. |