

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**A. Y: 2018-2019 II B. Tech - I Sem**

**Data Structures Project Based Lab(17CS1102)**

**Batch No: 13 Project No: 04**

**Project Title: Perfect hash table-based Telephone Directory**

**Abstract:**

This project is designed to develop and demonstrate prefect hash table data structure and its applications for Telephone Directory with appropriate algorithms having following tasks. Here the insertionSort3 is rewritten to illustrate how to sort parallel arrays: Each time a name is moved during the sorting process, the corresponding ID number must also be moved. Since the name and ID number must be moved “in parallel,” which is doing a *parallel sort* or sorting *parallel arrays*. The input reads an English passage and count the number of times each word appears. The output consists of an alphabetical listing of the words and their frequencies. This is a typical “search and insert” situation. And merging Ordered Lists is the process by which two or more ordered lists are combined into one ordered list. Here we will use the Threaded Binary Tree ADT data structure with the help of the following functions given below

Functions: To Insert, to Delete, to Search, to Inorder traversal.

**Under the esteemed guidance of Guide name:**

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