Modern Education Society's Wadia College of Engineering, Pune

210256: DATA STRUCTURES and ALGORITHM LABORATORY
(2019 C0URSE)

NAME OF STUDENT:	CLASS:
SEMESTER/YEAR:	ROLL NO:
DATE OF PERFORMANCE:	DATE OF SUBMISSION:
EXAMINED BY:	EXPERIMENT NO: A1

TITLE: Create hash table for telephone book database and search data in it.

AIM/PROBLEM STATEMENT: Consider telephone book database of N clients. Make use of a hash table implementation to quickly look up client's telephone number. Make use of two collision handling techniques and compare them using number of comparisons required to find a set of telephone numbers.

OBJECTIVES:

1. To understand structure of hash table.

2. To understand searching and collision handling concept in hashing.

OUTCOMES:

1. To apply appropriate advanced data structure and efficient algorithms to approach the problems of various domain

2. To use effective and efficient data structures in solving various Computer Engineering domain problems.

PRE-REQUISITES:
1. Knowledge of python programming

2. Basic knowledge of hashing

3. Basic knowledge of searching in hashing.

THEORY: Expected by students

QUESTIONS:

1. Explain different hashing functions with example.
2. Describe Extensible hashing for the given input keys: 1,10,7,8,15,16