Modern Education Society's
Wadia College of Engineering, Pune

NAME OF STUDENT:	**CLASS:**
SEMESTER/YEAR:	**ROLL NO:**
DATE OF PERFORMANCE:	**DATE OF SUBMISSION:**
EXAMINED BY:	**EXPERIMENT NO: DSL E-29**

TITLE : To add and delete from Job queue.

PROBLEM STATEMENT: Queues are frequently used in computer programming, and a typical example is the creation of a job queue by an operating system. If the operating system does not use priorities, then the jobs are processed in the order they enter the system. Write C++ program for simulating job queue. Write functions to add job and delete job from queue.

OBJECTIVES :

1. To understand structure of queues.

2. To understand queue pointers and processing of queue to know how to insert and remove from queue.

OUTCOME :

1. To operate on the various structured data.
2. To analyze the problem to apply suitable algorithm and data structure.

PRE-REQUISITES :

1. Knowledge of C++ Programming
2. Knowledge of queue without priority.

APPARATUS :

1. OS: Ubuntu 18.04.2 LTS
2. Processor: Intel® Core™ i7-4790S CPU
3. Graphics: GeForce GT 610/PCIe/SSE2
4. Storage: 400 GB
5. Text Editor: gedit
6. Compiler: GNU C++ Compiler (g++)
7. Terminal

QUESTIONS:

1. Describe queue operations and its usage as job queue.

2. Describe how to implement queue using stack.

3. What do you mean by linear data structures? Give examples of it.

4. Why queue is efficient data structure to assign jobs?