Sardar Vallabhbhai National Institute of Technology, Surat
Department of Artificial Intelligence
Data Structure (AI102)
B.Tech I - II Semester
<u>Assignment-9</u>

1. Implement Priority queue for the following operations:

    a) Insert an elements
    b) Delete an element from any position
    c) Peeking from the Priority Queue (Find max/min without deleting an element)
    d) Extract-Max/Min from the Priority Queue(after deleting an element)

2. Implement Double ended queue for the following operations:

    a) Insert an element at Front
    b) Insert an element at Rear
    c) Delete an element from Front
    d) Delete an element from Rear
    e) Check Empty
    f) Check Full