



National Institute of Technology, Raipur
राष्ट्रीय प्रौद्योगिकी संस्थान, रायपुर
G.E. Road, Raipur-492010 (C.G.)

Phone: (0771) 22 54 200
Fax: (0771) 22 54 600
Website: www.nitr.ac.in

Course Name: Computer Lab 201 (Data Structure)
Instructor: Dr. Dibakar Saha and Dr. C. M. Anish
TA: Mr. Santosh Shakya and Mr. Anjanee Kumar

Assignment 11:

Problem I: Implement Priority Queue using a Linked List, where each element of the Queue is a Patient record which consists of Patient Name, Emergency Token and Gender.

Implement the following functions:

- **Enqueue:**
- **Dequeue:**
- **Front:**
- **Display:**

4. Now traverse the Priority Queue and extract the Patient record based on priority.

Problem II: Implement the problem using an Array.
