K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

ACADEMIC SESSION 2025-26

Odd Semester

TICKETING SYSTEM USING QUEUE

Submitted to: **Submitted by:**

Dr. SWATI   **PRIYANSHI**

Assistant Professor   **2401420029**

SOED   **B. Tech (2024-28)**

```python
# Ticketing System using Linear Queue


queue = []        # linear queue
max_size = 5      # maximum queue size (you can change it)


def enqueue(ticket):
    if len(queue) == max_size:
        print("Queue is full! No more tickets can be added.")
    else:
        queue.append(ticket)
        print(f"Ticket '{ticket}' added to the queue.")


def dequeue():
    if not queue:
        print("Queue is empty! No tickets to serve.")
    else:
        served = queue.pop(0)
        print(f"Ticket '{served}' has been served.")


def display():
    if not queue:
        print("Queue is empty.")
    else:
        print("Current Ticket Queue:", queue)



# Main Program
```

```python
while True:
    print("\n--- Ticketing System ---")
    print("1. Add Ticket")
    print("2. Serve Ticket")
    print("3. Display Queue")
    print("4. Exit")

    choice = int(input("Enter your choice: "))

    if choice == 1:
        ticket = input("Enter ticket name/number: ")
        enqueue(ticket)

    elif choice == 2:
        dequeue()

    elif choice == 3:
        display()

    elif choice == 4:
        print("Exiting Ticketing System...")
        break

    else:
        print("Invalid choice! Please try again.")
```