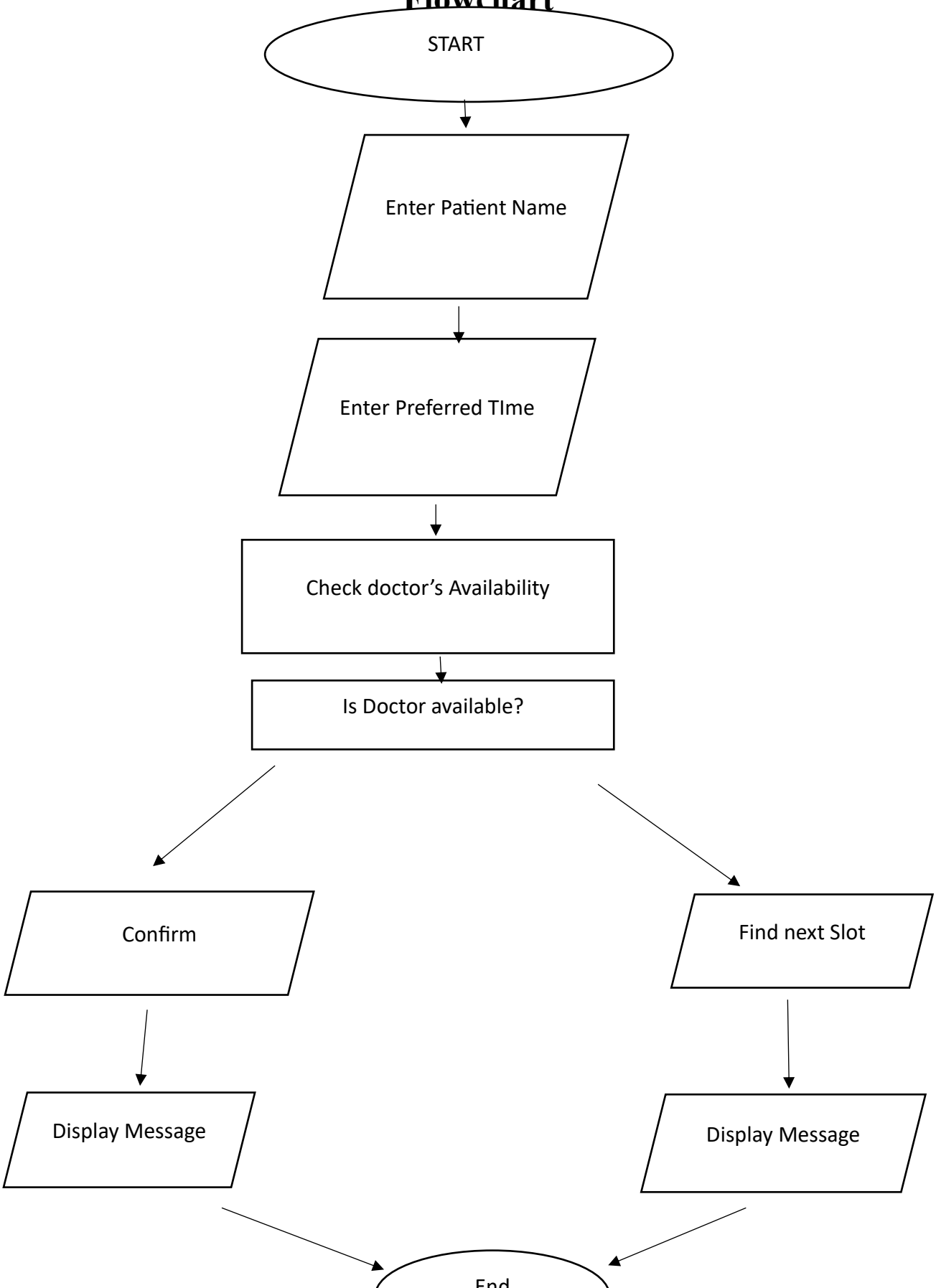
K.R. Mangalam University
School of Engineering & Technology
Department: CSE
Session: Odd
Programme: B.Tech CSE (Cybersecurity)
Semester: 1
Course Code: ETCCCP105
Course Name: Computer Science Fundamentals & Career Pathways
Assignment Number: 01
Assignment Title: Hospital Appointment Booking System
Faculty: Dr. Feroz Ahmed
Student Name: Tushar Chand
Submission Date: 14 October 2025

Design

Flowchart



Pseudocode

```
START
    DISPLAY "Enter your name:"
    INPUT patientName
    DISPLAY "Enter preferred time:"
    INPUT preferredTime
    IF preferredTime is available THEN
        DISPLAY "Appointment Confirmed"
    ELSE
        DISPLAY "Preferred time not available"
        DISPLAY "Next available slot is: <time>"
    ENDIF
END
```

Implementation

```
# Hospital Appointment Booking System
# Developed by: Tushar Chand

# Doctor schedule (True = available, False = unavailable)
doctor_schedule = {
    "10:00": False,
    "11:00": True,
    "12:00": False,
    "13:00": True
}

# Get user input
name = input("Enter your name: ")
preferred_time = input("Enter preferred appointment time (e.g., 11:00): ")

# Check and confirm booking
if preferred_time in doctor_schedule:
```

```
    if doctor_schedule[preferred_time]:
        print(f"Appointment confirmed for
{preferred_time}, {name}.")
    else:
        print("Preferred time not available.")
        for time, available in doctor_schedule.items():
            if available:
                print(f"Next available slot is {time}")
                break
else:
    print("Invalid time entered.")
```