

## **IMPLEMENTATION ASSIGNMENT ON SCHEDULING ALGORITHMS 11/10/2022**

### **Review on 18/10/2022**

1. Implement a RTOS code to schedule 3 tasks in round robin using priorities where
  - Task1 – reads a character from uart0
  - Task 2 - writes a character to uart1
  - Task3- blink leds
2. Implement a RTOS code to schedule 3 tasks in round robin using priorities where
  - Task1 – reads a character from uart1
  - Task 2 - writes a character to uart0
  - Task3-beep buzzer
3. Implement a RTOS code to schedule 3 tasks in round robin where
  - Task1 – displays 00-99 to seven segment
  - Task 2 – beep buzzer
  - Task3- turn on dc motor
4. Implement a RTOS code to schedule 3 tasks in round robin where
  - Task1 – reads a key from keypad
  - Task 2 - writes a key to uart1
  - Task3- blink leds
5. Implement a RTOS code to schedule 3 tasks in round robin where
  - Task1 – reads a key from keypad
  - Task 2 - writes a key to uart0
  - Task3- beep buzzer
6. Implement a RTOS code to schedule 3 tasks in round robin where
  - Task1 – reads a key from keypad
  - Task 2 - writes a key to uart1
  - Task3- blink leds
7. Implement a RTOS code to schedule 3 tasks in round robin where
  - Task1 – reads a key from keypad
  - Task 2 - writes a key to lcd
  - Task3- blink leds

8. Implement a RTOS code to schedule 3 tasks in round robin where
  - Task1 – reads a key from keypad
  - Task 2 - writes a key to LCD
  - Task3- beep buzzer
9. Write a RTOS code to implement the following scenario
  - Task 1 reads a string from uart0 , then task 2 beeps a buzzer and finally task 3 displays the string on LCD continuously.
10. Write a RTOS code to implement the following scenario
  - Task 1 reads a string from uart1 , then task 2 blinks the LEDS for 5 times and finally task 3-displays the string on LCD continuously
11. Write a RTOS code to implement the following scenario
  - Task 1 reads a string from uart1 , then task 2 blinks the LEDS for 5 times and finally task 3 displays the string on uart0 continuously.
12. Write a rtos code to implement the following scenario
  - Task 1 reads a string from uart1 , then task 2 blinks the leds for 5 times and finally task 3 diplays the string on LCD continuously
13. Implement a RTOS code to schedule 3 tasks in round robin where
  - Task1 turn dc motor
  - Task 2 – display 0-9 on seven segment
  - Task3- beep buzzer
14. Implement a RTOS code to schedule 3 tasks in round robin where
  - Task1 turn dc motor
  - Task 2 – blink led
  - Task3- beep buzzer
15. Implement a RTOS code to schedule 3 tasks in round robin where
  - Task1 display string on uart0
  - Task 2 – display 0-9 on seven segment
  - Task3- beep buzzer
16. Implement a RTOS code to schedule 3 tasks in round robin where
  - Task1 blink led
  - Task 2 – display 0-9 on seven segment
  - Task3- beep buzzer