Implementation assignment

Review date 21-10-2022

Note:

- **use isr_evt_set api**
- **use swi**

1. **Write a RTOS code to count the occurrence of external interrupt 1 –EINT1 And display the count value on the LCD. USING EVENT**

2. **Write a RTOS code to toggle LEDS everytime, on occurrence of external interrupt 1 –EINT1, USING EVENT FLAGS**

3. **Write a RTOS code to implement the walking LEDs pattern(right to left) and (left to right) on occurrence of External Interrupt 0 –EINT0, alternatively. USING EVENT FLAGS**

4. **Write a RTOS code to implement the walking LEDs pattern(right to left) and (left to right) on occurrence of External Interrupt 1 –EINT1, alternatively. USING EVENT FLAGS**

5. **Write a RTOS code to implement the walking LEDs pattern(right to left) and (right to left) on occurrence of External Interrupt 0 –EINT0, alternatively. USING EVENT FLAGS**

6. **Write a RTOS code to count the occurrence of external interrupt 0 –EINT0 And display the count value on the LEDs USING EVENT FLAGS**

7. Write a RTOS code to display "interrupt generated" on UART on occurrence of external interrupt EINT0

8. Write a RTOS code to count the occurrence of external interrupt0 –EINT0 And display the count value on the seven-segment. USING EVENT

9. Write a RTOS code to count the occurrence of external interrupt 1 –EINT1 And display the count value on the LCD. USING EVENT

10. Write a RTOS code to count the occurrence of external interrupt 0 –EINT0 And display the count value on the UART0 .USING EVENT

11. Write a RTOS code to toggle LEDS everytime, on occurrence of external interrupt 0 –EINT0, USING EVENT FLAGS

12. Write a RTOS code to display "interrupt generated" on UART1 on occurrence of external interrupt EINT0

13. Write a RTOS code to display "interrupt generated" on LCD on occurrence of external interrupt EINT0

14. Write a RTOS code blink leds on occurrence of external interrupt EINT0

15. Write a RTOS code beep buzzer on occurrence of external interrupt EINT0

16. Write a RTOS code to display 0-9 on seven segment on occurrence of external interrupt EINT0