

Project(1):

- **Overview :** *Take analog input from (LM35) and displaying the temperature on computer screen via serial communication.*
- **Drivers :**
 - *ADC1 (SS3) ON PIN PE3 with interrupts.*
 - *UART0 to communicate with PC.*

Project(2):

- **Overview :** *Take digital input from flame sensor (with edge trigger interrupts) , flashing two leds and generating **PWM** signal to Speker (the alarm is stop by pushing switch PF4).*
- **Drivers :**
 - *Systick .*
 - *PWM .*
 - *EDGE TRIGGER interrupts.*

Project(3) :

implement and test timer0 driver with interrupts and performing a periodic task with (callback function).

All projects are implemented using KEIL & tested on real tiva c board.