

Lab(PROJ_0)

ESE 3025: Embedded Real Time Operating Systems

Lambton College in Toronto

Instructor: Takis Zourntos

STUDENT NAME & ID:

Vishal Hasrajani(C0761544)

Parth Patel(C0764929)

Goutham Reddy Alugubelly(C0747981)

Ratnajahnavi rebbapragada(C0762196)

INTRODUCTION:

In this lab, we will turn ON any one onboard LED(i.e red, green or blue LED) of LPC1769 using MCUXpresso-IDE.

DESCRIPTION:

To start with we will Turn OFF all the leds that are red, green and blue . Then we will Turn ON Blue LED.

```
#include "chip.h"
#include "board.h"
#include <cr_section_macros.h>

int main(void) {
    // Read clock settings and update SystemCoreClock
variable
    SystemCoreClockUpdate();

    // Set up and initialize all required blocks and
    // functions related to the board hardware
    Board_Init();
    //turning off all the LEDs.
    Board_LED_Set(red, false);
    Board_LED_Set(green, false);
    Board_LED_Set(blue, false);

    // Set the blue LED to the state of "On"
    Board_LED_Set(blue, true);
}
```

We modified the default proj_0 code as you can see the above code .To see the output check the youtube link below :

Youtube Link-----)

https://www.youtube.com/watch?v=xOkI_CH0KM4

CONCLUSION :

To sum up,we successfully updated the proj_0 code and turned ON one the onboard LED (i.e Blue LED).