```
Lab-2
```

Sunday, July 19, 2020 2:36 PM

Title:- Interfacing LED with LPC2129

Date: - 24/07/2020

# AIM: Write a program to blink LEDs from P0.16 to P0.23 interfaced with LPC2129.

```
Source code:
#include<LPC21xx.h>
void delay_ms(unsigned int count)
{
 unsigned int j=0,i=0;
 for(j=0;j< count;j++)
 {
  for(i=0;i<3000;i++);
int main()
  PINSEL1=0x00000000;
  IO0DIR=0x00FF0000;
  while(1)
  {
  IO0SET=0x00FF0000;
```

```
delay_ms(1000);
IOOCLR=0x00FF0000;
delay_ms(1000);
}
```

Output:

## LED On state:



## LED Off state:



AIM: Write a program to blink LEDs with P0.0 to P0.7 and P1.20 to P1.25 of LPC2129.

```
Source code:-
#include<LPC21xx.h>
void delay_ms(unsigned int count)
```

```
unsigned int j=0,i=0;
 for(j=0;j<count;j++)
 {
  for(i=0;i<3000;i++);
int main()
  PINSEL0=0x00000000;
  PINSEL2=0x00000000;
  IO0DIR=0x000000FF;
  IO1DIR=0x03F00000;
  while(1)
  IO0SET=0x000000FF;
  IO1SET=0x03F00000;
     delay_ms(1000);
  IOOCLR=0x000000FF;
  IO1CLR=0x03F00000;
     delay_ms(1000);
Output:-
Port 0:
```

#### On state:



# Off state:

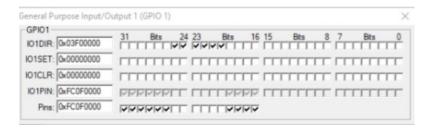
GPI00 IO0DIR: 0x000000FF	- 31 Bits 24 23 Bits 16 15 Bits 8 7 Bits
IO0SET: 0x00000000	
IO0CLR: 0x00000000	
IOOPIN: 0x03FFFF00	
Pins: 0x7BFFFF00	

Port 1:

## On state:



## Off state:



### Inference:

In this experiment I learnt about how to interface the LED with LPC2129 and how to use the registers.