**Pune Institute of Computer Technology Dhankawadi,**

**Pune – 43.**

Assignment No. 4

PSDL

**SE-IT-10 ACADEMIC YEAR :- 2020-2021**

**Name :- Diptesh Ravindra Varule Roll No :- 23277**

**Problem Statement :**

Write an Embedded C program to interface PIC 18FXXX with LED & blinking it using specified delay.

**Source Code** :

/\*

\* File: led.c

\* Author: Diptesh Varule

\* Created on May 21, 2021, 2:17 PM

\*/

#include <xc.h>

#include<pic18f458.h>

void delay(){

T0CON=0x08;

TMR0H=0XFF;

TMR0L=0X00;

INTCONbits.TMR0IF=0;

T0CONbits.TMR0ON=1;

while(INTCONbits.TMR0IF==0);

T0CONbits.TMR0ON=0;

INTCONbits.TMR0IF=0;

}

void main(void) {

TRISB=0;

while(1){

PORTB=0x00;

delay();

PORTB=0xff;

delay();

}

return;

}

**Output :**

At time t(0) , all the bits(pins) of PORT B are 0.Hence No LED will be ON.

**Text

Description automatically generated**

At time delay dt , all the bits(pins) of PORT B are 1.Hence all LED will be ON.

