EXPERIMENT_-2

AIM:

Design and implement Embedded System for blinking Two LEDs alternately with some delay in between, using 8051 Microcontroller and Keil.

Apparatus Used:

8051 Microcontroller, Computer, Mouse, Keyboard, USB Cable, Adapter

Software Used:

Keil and Flash Magic

Pins Used:

LED PORT

D1 P3.0

D2 P3.1

C Code:

```
/* Program to blink two LED alternately* #include

<p89v51rx2.h>

void delay(unsigned int delay)
{
 unsigned int i, j;

 for (i = 0; i < 1000; i+ )
 for (j = 0; j < delay; j+ ); }

void main(void)
{
 while (1)
 {
 RxD = 0;
                              TxD = 1;
```

```
delay(20);

RxD = 1;
                        TxD = 0;
delay(20);
}
}
```

HEX Code:

```
:03000000020834BF
:0C083400787FE4F6D8FD758107020820EB
:10080000E4FDFCE4FBFAC3EB9FEA9E50070BBB0040
:0F081000010A80F20DBD00010CBC03E7BDE8E456
:01081F0022B6
:10082000C2B0D2B17F147E00120800D2B0C2B112A1
:04083000080080EC50
:00000001FF
```

RESULT:

Hence, the C program to implement two LED blinking with some delay in between is verified by using 8051 microcontroller, keil and flash magic.