

Department of Electronics and Communication

Real Time Operating System Lab

(22EECE302)

REVIEW-2

Team Number-: 12

Team Members

Sl. No.	Student Name	USN	Roll no	Division
1	Ankita Bhosale	02FE21BEC008	07	A
2	Nisarga Hanji	02FE21BEC052	48	A
3	Laxmi Gangal	02FE21BEC045	41	A
4	Harshali Kamble	02FE21BEC037	34	A



KLE

TECHNOLOGICAL UNIVERSITY

Creating Value, Leveraging Knowledge

Belagavi
Campus

DR. M. S. SHESHGIRI COLLEGE OF ENGINEERING AND TECHNOLOGY

Statement: Write a C program to interface DC motor and Switch with LPC1768.

Code:

```
#include <lpc17xx.h>

int main(void)
{
    LPC_GPIO4->FIODIR=0x30000000;
    LPC_GPIO2->FIODIR&=~(0x0C000000);
    LPC_GPIO2->FIOSET=(1<<8);
    while(1)
    {
        if(!(LPC_GPIO2->FIOPIN &(1<<26))) //Switch key pressed
            LPC_GPIO4->FIOPIN=0X1000000; // MOTOR CCW
        else
            LPC_GPIO4->FIOPIN=0X2000000; // CLOCK WISE
    }
}
```

Output:

