



YTU

YILDIZ TECHNICAL UNIVERSITY

MECHATRONICS ENGINEERING

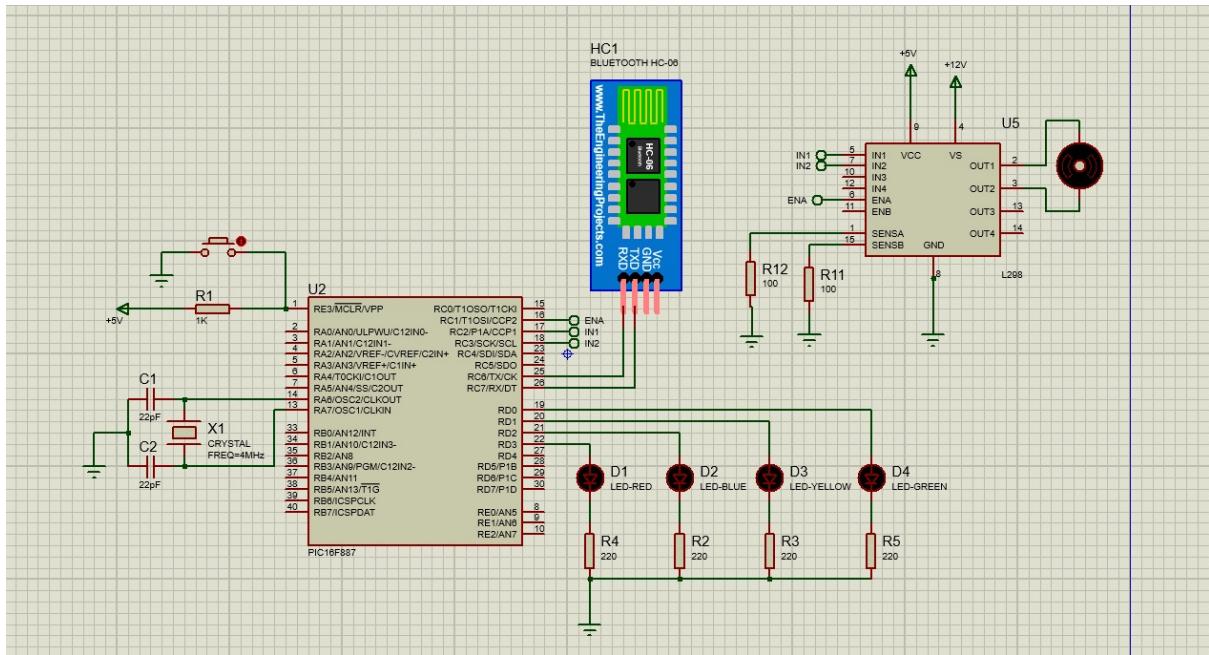
MKT3811 MICROPROCESSORS & PROGRAMMING LAB

GROUP 16

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Scheme:



Model:





Code:

```
#include <16F887.h>
#FUSES HS
#use delay(clock= 4000000 )
#fuses
XT,NOWDT,NOPROTECT,NOBROWNOUT,NOLVP,NOPUT,NOWRT,NO
DEBUG,NOCPD
char c;
#INT_RDA
void ngatUART()
{
    c = getc();
}
void main()
{
    enable_interrupts(int_rda);
    enable_interrupts(global);
    while(true)
    {
        if(c == 'a') output_high(pin_d0);
        if(c == 'b') output_low(pin_d0);

        if(c == 'c') output_high(pin_d1);
        if(c == 'd') output_low(pin_d1);

        if(c == 'e') output_high(pin_d2);
        if(c == 'f') output_low(pin_d2);

        if(c == 'g') output_high(pin_d3);
        if(c == 'h') output_low(pin_d3);

    }
}
```