**BLUETOOTH INTERFACE -SMART PHONE CONTROLLED LIGHT SYSTEM (CODE)**

char data=0;

void setup()

{

Serial.begin(9600);

pinMode(13,OUTPUT);

}

void loop()

{

if(Serial.available() > 0)

{

data=Serial.read();

Serial.println(data);

if(data=='1')

digitalWrite(13,HIGH);

else if(data=='0')

digitalWrite(13,LOW);

}

}