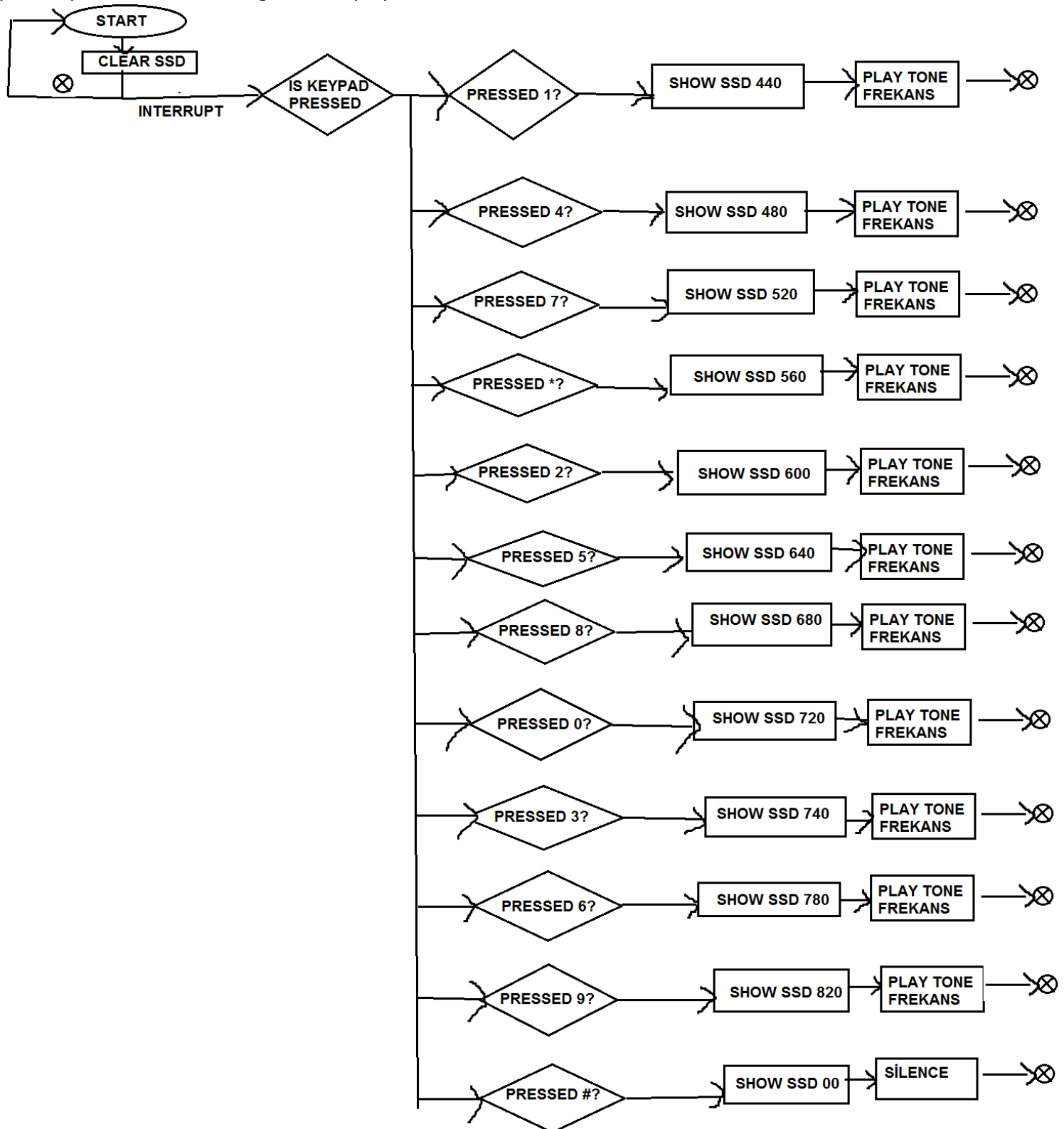GEBZE TECHNİCAL UNIVERTİSY

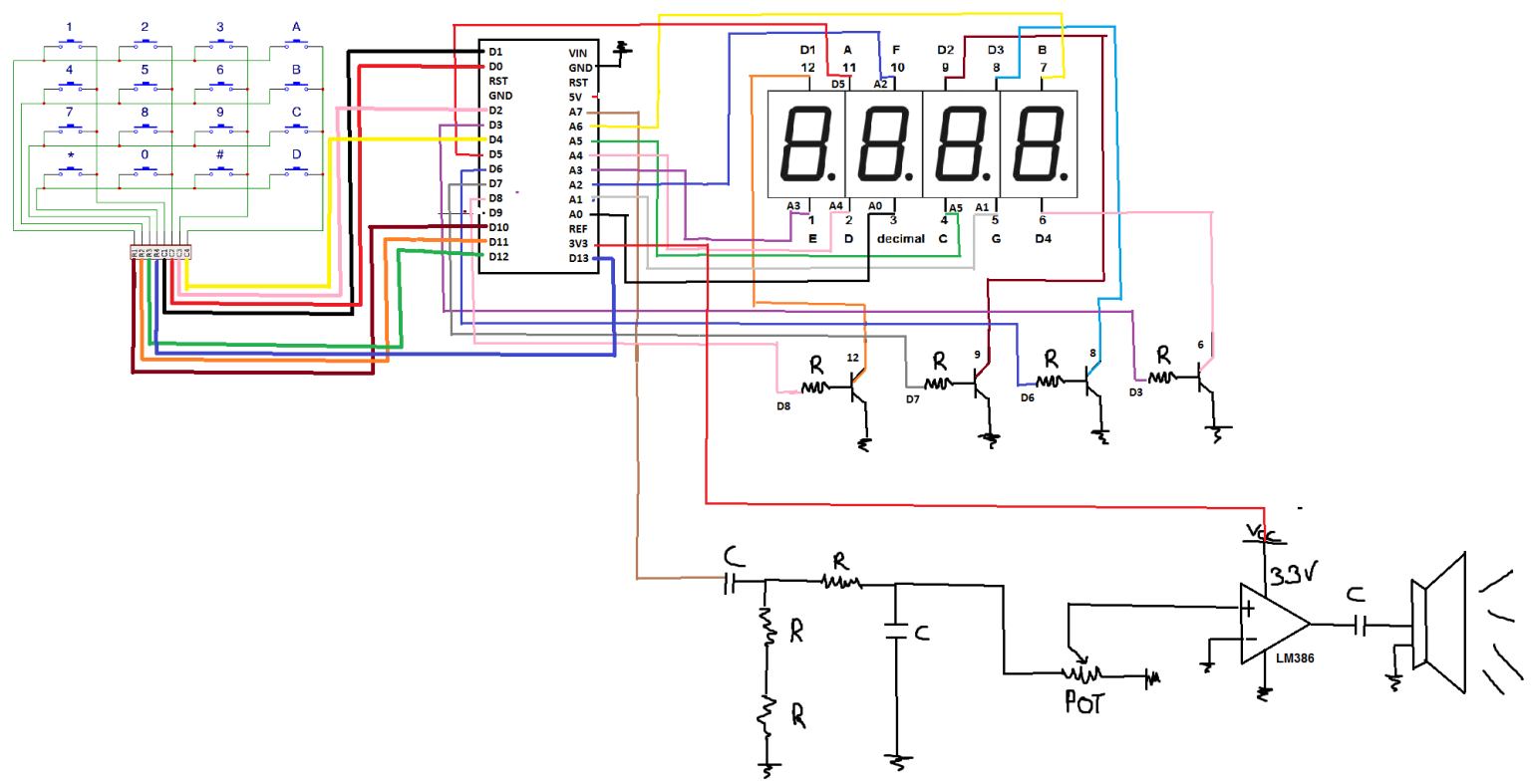ELEC 335

LAB 6 REPORT

BERKAY TÜRK

171024024

PROBLEM 1:

In this problem implementing a simple tone generator utilizing Timer,PWM and External Interrupt modules and use a keypad ,a speaker and seven segmend display.
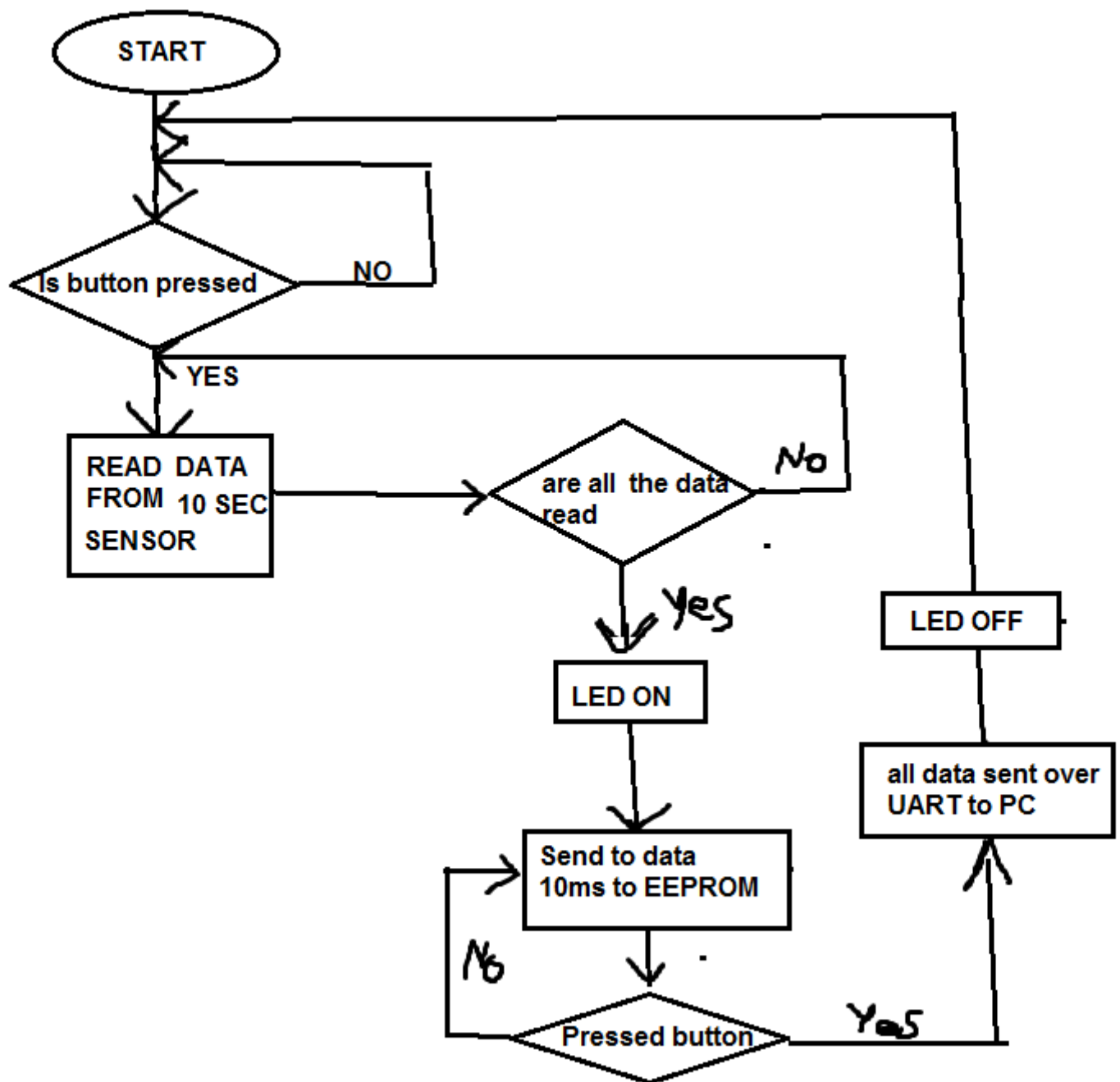

Flowchart

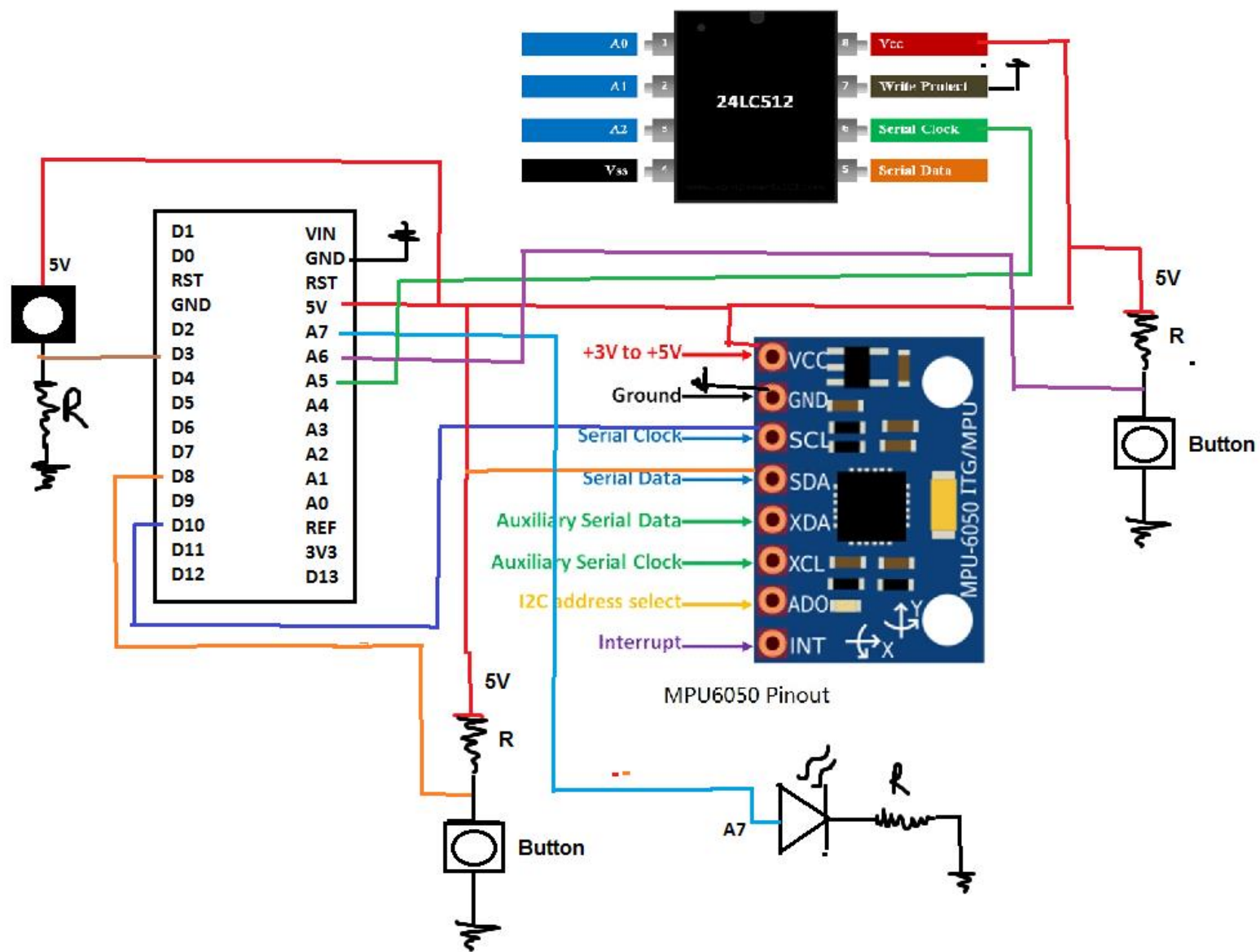**Connection Diagram**

1.Problem video:

There is no video because our code is not working correctly.

PROBLEM 2:

In this problem reading and logging MPU6050IMU sensor data utilizing Timer ,I2C and UART modules and use MPU6050 and 24LC512 EEPROM.

START

Is button pressed

NO

YES

READ DATA FROM 10 SEC SENSOR

are all the data read

No

Yes

LED ON

LED OFF

all data sent over UART to PC

Send to data 10ms to EEPROM

No

Pressed button

Yes

Flowchart

Connection Diagram

2.Problem video:

There is no video because our code is not working correctly.