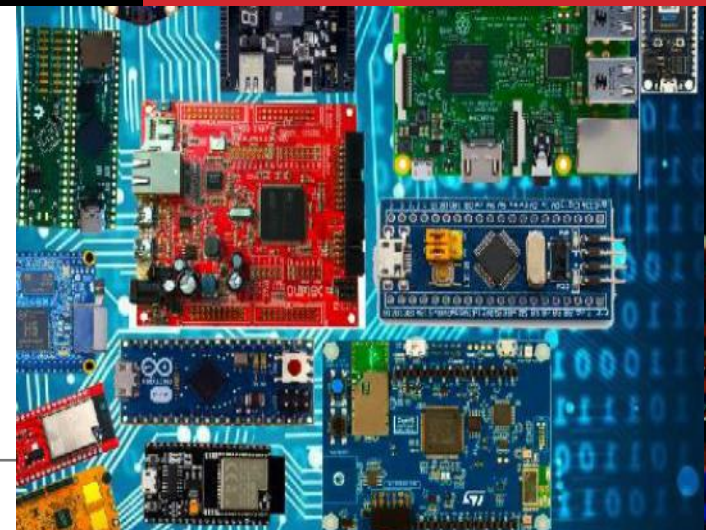# Microprocessor System & Interfacing

LAB 1
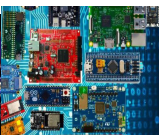
Dennis A. N. Gookyi

CONTENTS

❖ **Reading From Serial Interface**

LAB 1

❖ The code below enables the reading from serial interface (UART)

```
1  void setup() {
2    // put your setup code here, to run once:
3    Serial.begin(9600);
4  }
5
6  void loop() {
7    // put your main code here, to run repeatedly:
8    if(Serial.available() > 0){
9      byte val = Serial.parseInt();
10     Serial.print("Received: ");
11     Serial.println(val);
12   }
13 }
```

LAB 1

❖ Modify the code to perform the function below:

  ☐ Get an input number between 1 and 9 (**VAL**) through the Serial Monitor

  ☐ The number (**VAL**) should be send to the Arduino board

  ☐ The inbuilt **LED** on the Arduino board be turned **ON** for **VAL** seconds and turned **OFF**