Aung Myin Kyaw (Max) weekly Research Progress Report

Date : 18/08/2018 to 25/08/2018

- **Scope of the work:**
  - ✓ **Printing of the data to csv file and understanding the values**

➢ Research Progress in last week

- This is week I was able to collect data into the csv file (the file is attached as ‘test1.csv). The code I used to collect data is attached in the following slide.

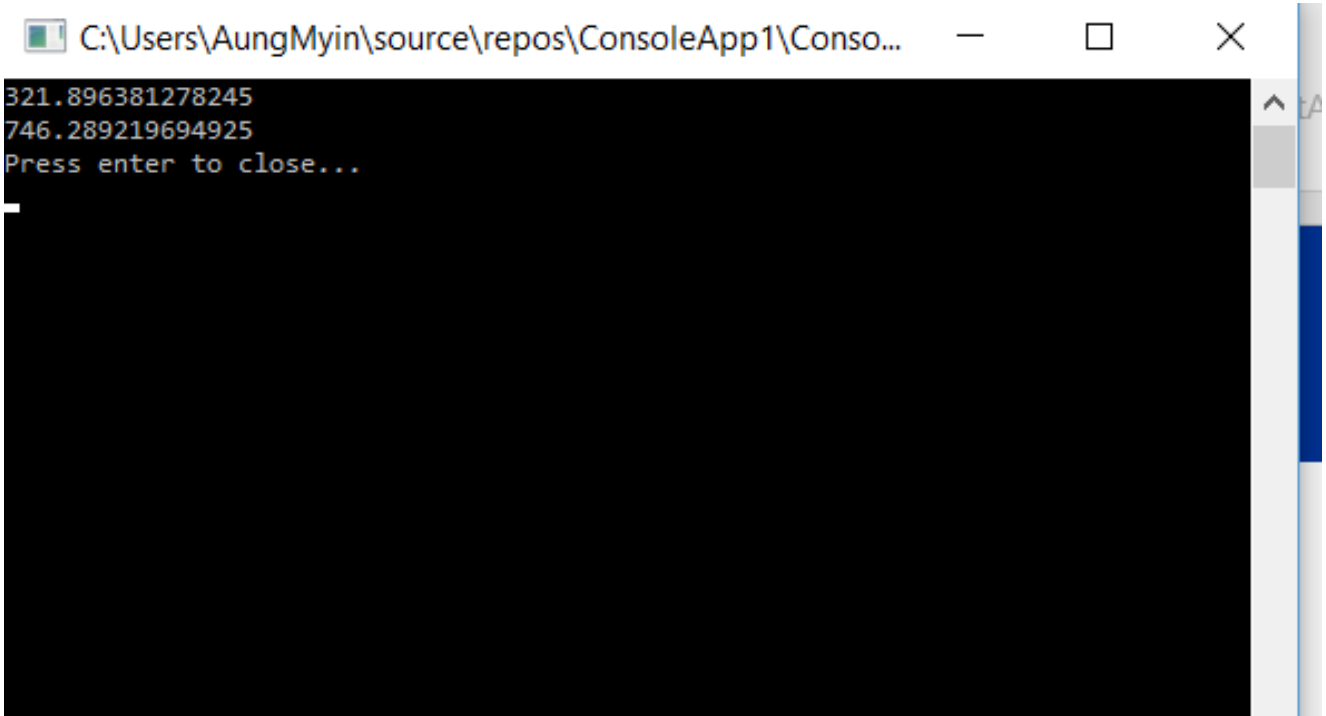
- However, the data collected does not tally with the data I downloaded from Thorlabs which is attached as ‘testthorlabs.csv’. Thus, for the coming week I will be examining the representation of the values that are collected.

```
 CCS100.startScan();
 CCS100.getScanData(Data);
 Console.WriteLine(Data.Length);
StreamWriter sw = new
StreamWriter(@"C:\Users\AungMyin\Desktop\School\FYP\Final-Year-
Project\test1.csv", true);
for (int i = 0; i < Data.Length; i++) {
            {
                sw.WriteLine(Data[i].ToString());
                //sw.Write("\n");
             }
}
sw.Write("\r\n");
sw.Flush();
sw.Close();
```

By using the function that I presented above, I am able to save the scan data by CS100 to excel file.

➢ Research Progress in last week

- In addition, from this experiment I am able to find out that minimum (321.896381278245) and maximum (746.289219694925) wavelength that can be measured using my wavelength. The wavelengths are the same when I compared with the maximum and minimum wavelength that measured using Thorlabs.



➢ Research Plan for next week

- ❖ Identifying the values that are being save to the csv file. Check whether any calibration is needed to collect the data correctly.
- ❖ Once the values are identify, try to read those values and plot a graph in the program.

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