

Aung Myin Kyaw (Max) weekly Research Progress Report

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

➤ Scope of the work:

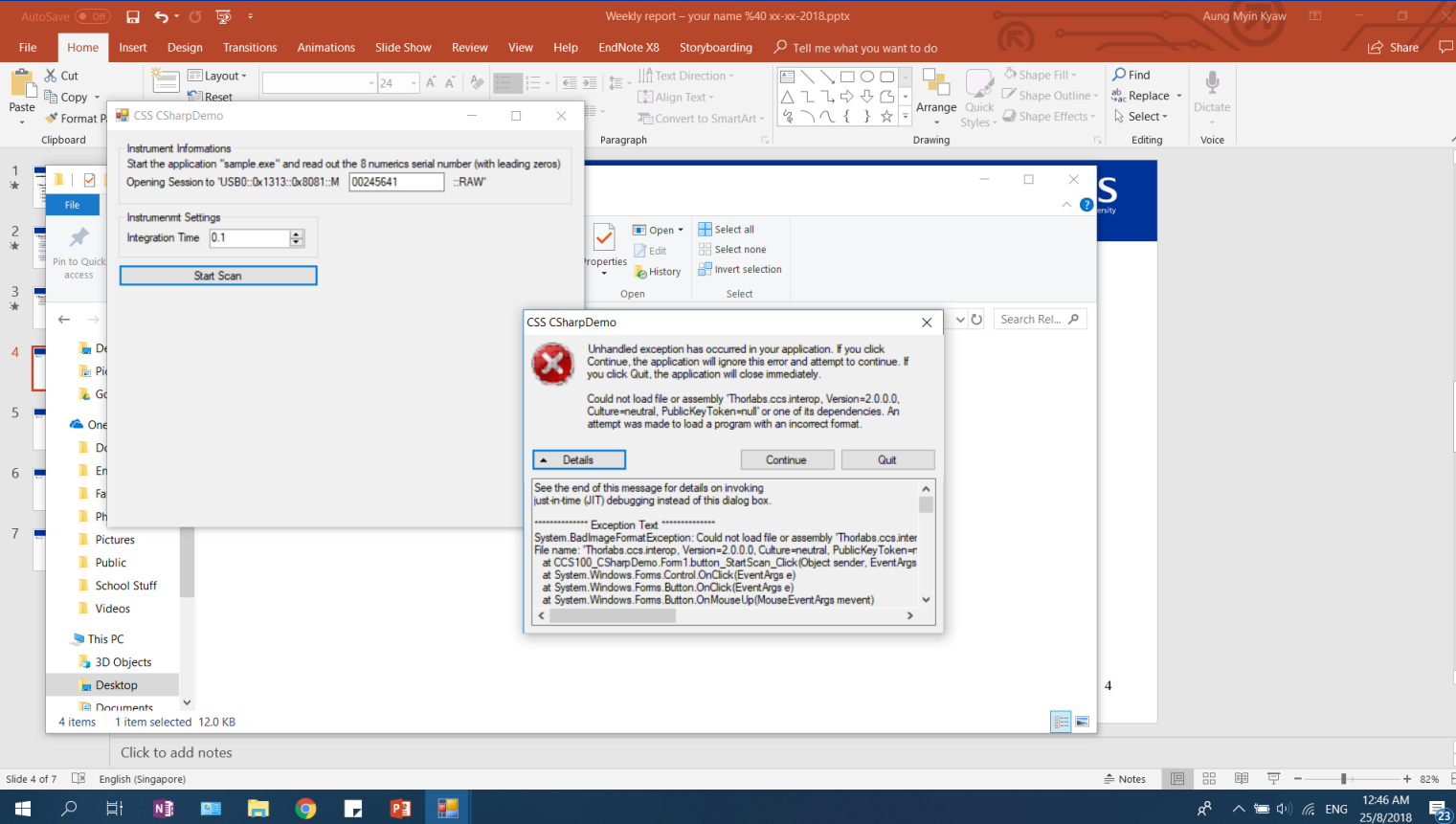
- ✓ Understanding of Raman spectroscopy. How it works and the applications.**
- ✓ Downloading and setting up of necessary programs.**
- ✓ Understanding how Visual Studio 2017 and C# 7 works.**

➤ Research Progress in last week

- ✓ Understanding the Raman spectroscopy through (https://en.wikipedia.org/wiki/Raman_spectroscopy and other online resources)
- ✓ Installation of Thorlabs and it's necessary libraries to write a C# program. In addition, installation of Visual Studio 2017.
- ✓ Learn basic C# through (<https://www.udemy.com/csharp-tutorial-for-beginners/>)
- ✓ Understand different components of Visual Studio 2017 through (<https://docs.microsoft.com/en-us/visualstudio/ide/visual-studio-ide?view=vs-2017>)
- ✓ Completed FoE Risk assessment application training quiz at IVLE
- ✓ Troubleshooting of the CSharpDemo program that was downloaded through Thorlabs library.

➤ **Research Plan for next week**

- ❖ Continue troubleshooting the CSharpDemo execution file as it is necessary in the progression of the project.
- ❖ After successful troubleshoots, study the code and implementation of Thorlabs program using C#.
- ❖ Understanding the requirement of the program.
- ❖ Greater in depth research for tools that are available in C# language



- CCS100_CSharpDemo.exe is an execution file provided by Thorlabs for the developer to further customize the Thorlabs to it's own need. As seen from the above picture, when the CCS100_CSharpDemo.exe is executed there is an exception error. However, since the program that provided has a bug in; I had 4 emailed the Thorlabs technicians to help solve this error.

- For FoE Risk assessment application training certificate; I have completed the quiz and lesson in IVLE, however, in order to receive the certificate of qualification there is a hands on lesson to attend. I have emailed the relevant technician for the hands on session.

Understanding of C# took sometime as though I am familiar with programming this is a new programming language. Thus, there are certain syntax which are not the same as I have learnt.