

**Introducing Python – A Computing Language and Mathematical Tool**  
**For new and existing students**

Date: Monday, 18 July 2022

Time: 7:00 pm – 8:00 pm

Speaker: Dr Lau Jing Feng

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**Introduction**

If you are exposed to computer programming used in data analysis and engineering applications, you must have heard about the programming language Python.

Many students are not aware of the full power of Python, or of its various built-in libraries. The workshop will give an overview of what Python can do!

Python's main purpose is to help users perform data analysis/artificial intelligence and mathematical modelling.

**Objectives**

By the end of the workshop, students should be able to:

- appreciate the use of Python as a computing tool
- appreciate the use of Python as a data analysis tool
- appreciate the use of Python as a modelling tool
- Use the various graphing facilities of Python

**Course Outline**

The topics that will be covered within the 60 minutes workshop include:

1. Python Introduction
2. Doing calculation with Python
3. Data Analysis with Python
4. Mathematical Modelling with Python

**Pre-requisites**

Want to learn about Python.

**Others**

N/A