

Internet of Things and Python

Mohd Saufy Rohmad
Smart Manufacturing Research Institute
UiTM



اَوْنُو تِكْنُوْلُوجِي مَارَا
UNIVERSITI
TEKNOLOGI
MARA

Institut
Penyelidikan
Pembuatan Pintar

SMRI

■ Smart
■ ■ Manufacturing
■ ■ ■ Research Institute

5 Pillars of Internet of Things



1.Sensors &
Actuators



2.Controller



3.Communications



4.Server & Analytic



5.Mobile
Application

Python

- Python is a scripting language that very easy to read and understand.
- It relies on the power of object orientation for code reuse and modularization.
- It comes with easy library integration.

Python and IoT

- Python comes with all sort of method to link with lower level language such as C/C++.
- This enable the hardware integration easily and avoid to program in C/C++.

Install and Run Pycharm

- <https://www.jetbrains.com/pycharm/download/#section=linux>