

Python for Mobile App Using Kivy

Mohd Saufy Rohmad
Smart Manufacturing Research Institute
UiTM



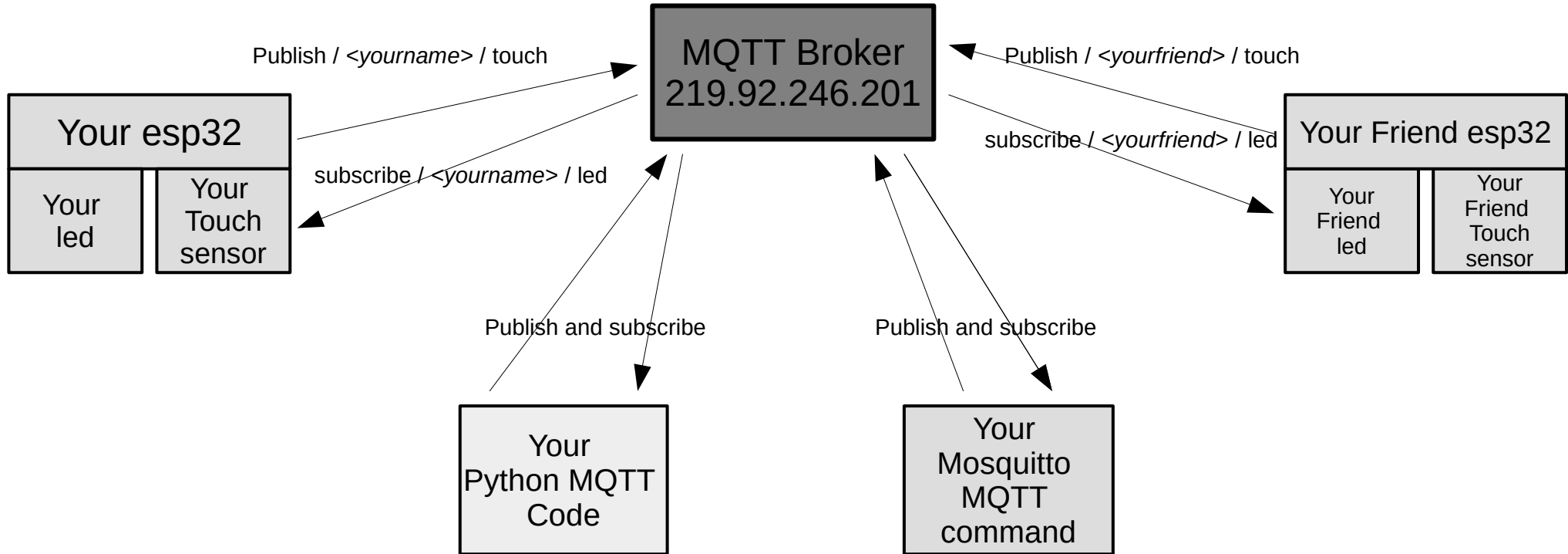
اَوْنُوْ رَسِيْقِيْ تِيَكُوْلُوْ كِيْ مَبَارَا
UNIVERSITI
TEKNOLOGI
MARA

Institut
Penyelidikan
Pembuatan Pintar

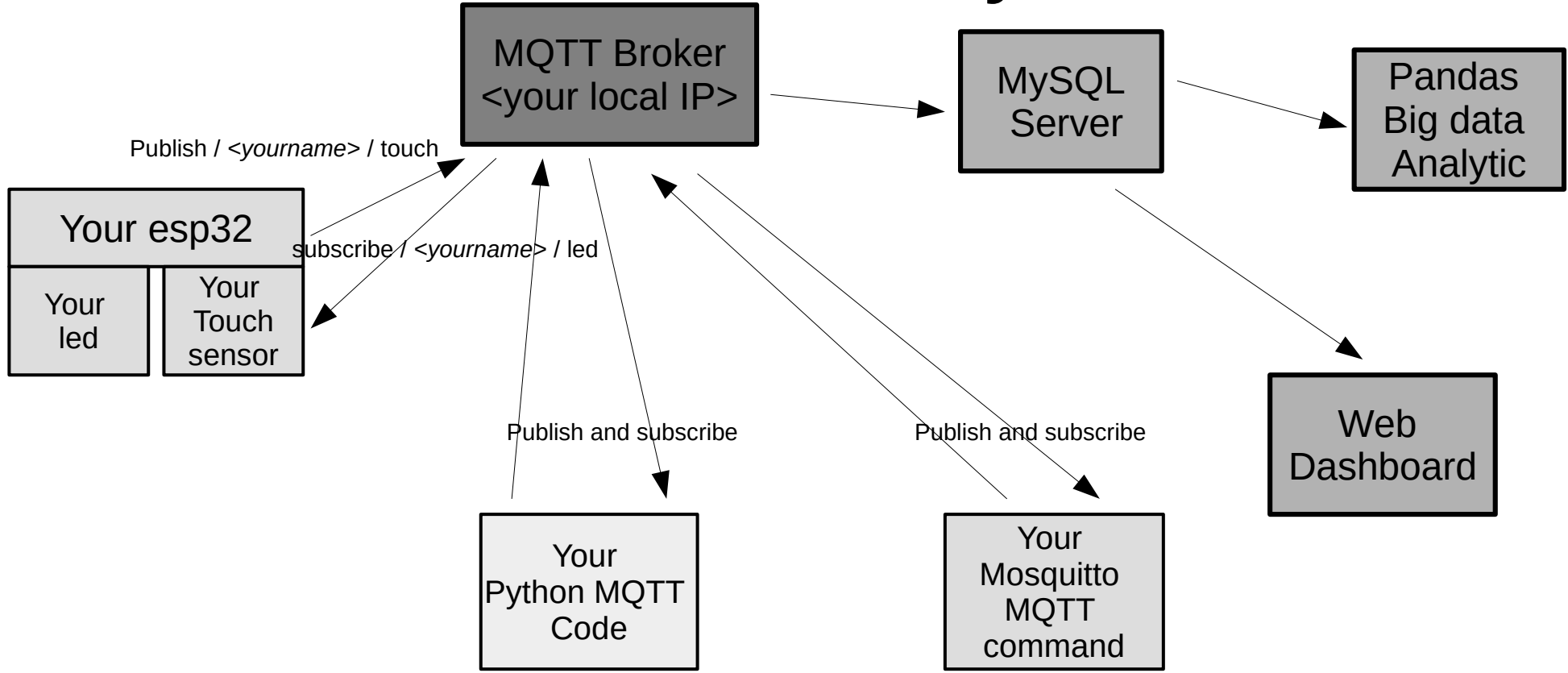
SMRI

■ Smart
■ ■ Manufacturing
■ ■ ■ Research Institute

Our IoT Layout



Your IoT Layout



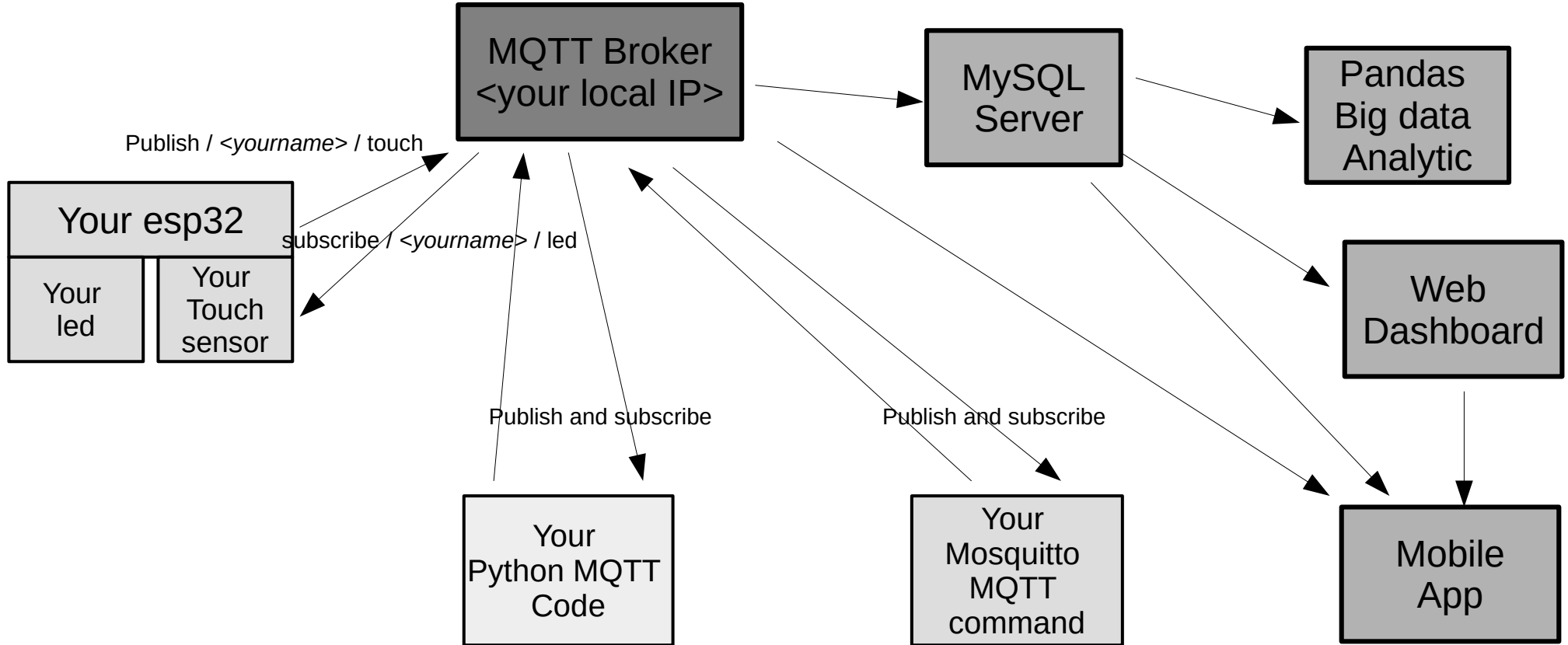
Mobile App with Kivy

- Mobile Application is the central control device for IoT
- Kivy is python based mobile application development framework for android and iOS.

Installing and Running Kivy

- <https://kivy.org/doc/stable/gettingstarted/installation.html>
- <https://realpython.com/mobile-app-kivy-python/>

Your Final IoT Layout



Assignment - IoT Idea Proposal and Concept Paper

- Write a proposal paper for your proposed IoT system
- Your proposal need to have a overall system diagram, sensor and actuator diagram and the communication between sensor/actuator with MQTT broker

Assignment - IoT Idea Proposal and Concept Paper

- Your paper also need to have type of data that collected and the data analysis that need for the system.
- The functionality of the dashboard and Mobile Application design also needed in the report.

Assignment - IoT Idea Proposal and Concept Paper

- Your idea must solve problem that encounter by peoples, families, business and society.
- You also can solve problem from any other field such as agriculture, energy, manufacturing,etc.
- Use 2 column IEEE paper format.

Assignment - IoT Idea Proposal and Concept Paper

- Submit your proposal on 12.11.2021 before 5.00PM to me.

Thank You