**Date:** September 12, 2024

**Topic:** some software that I need to learn

**Attendee**: Dr. Mauro Dragone, Xinpu Li

**Key points of meeting:**

1. Keep trying to practice 3D printing, soldering is also need to be learned if the project need soldering in the future.
2. Use Esp home, ESP home is easy to write a script. It is a framework that helps to program a microcontroller when creating a device. It helps write a script in a high level which increases the speed of writing and decreases the difficulty of programming.
3. Then use home assistant by using microcontroller, ESP32 and ESP8266. It is very integrated with ESP home; it helps to manage ESP devices. It will simplify the project.
4. Microcontroller ESP32 and ESP8266. ESP8266 is less powerful but it is much cheaper. But it does not care about the project, it can be tested which is better when the project needs to decrease the cost or something else.