ECE3186 Embedded IoT Systems and Applications
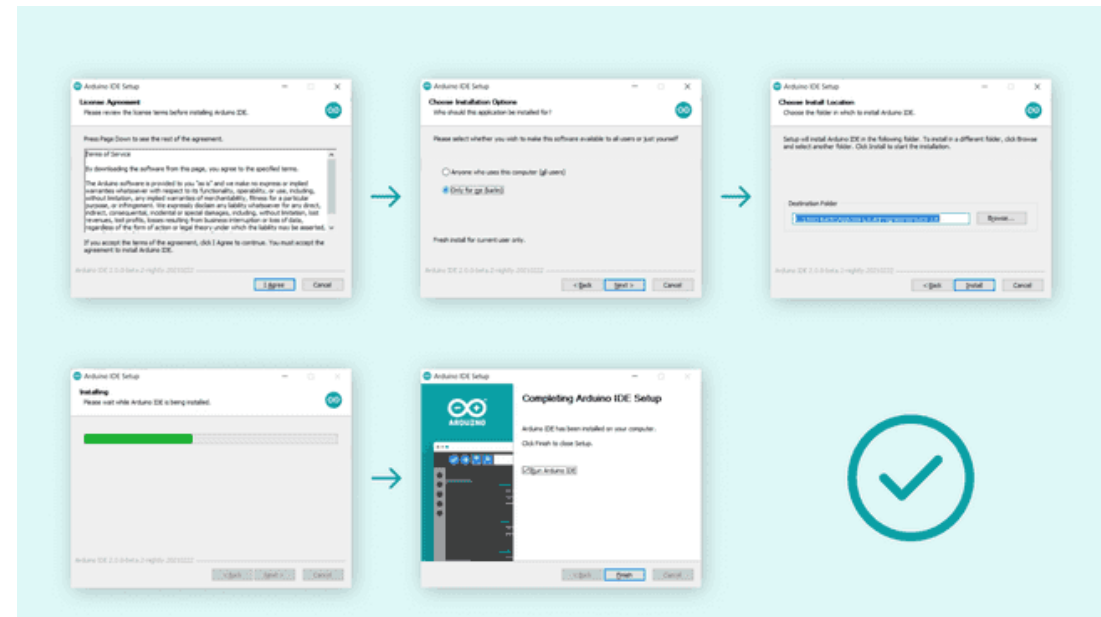
DR. TAN WOOI HAW

Install Arduino IDE

- Download the Arduino IDE 2.0 from the Arduino Software page:

    https://www.arduino.cc/en/software

- Next, run the downloaded installer file.

- Follow the instructions in the installation guide to complete the installation.

- When the installer asks for permission to install some drivers, please click "Install" to install drivers.
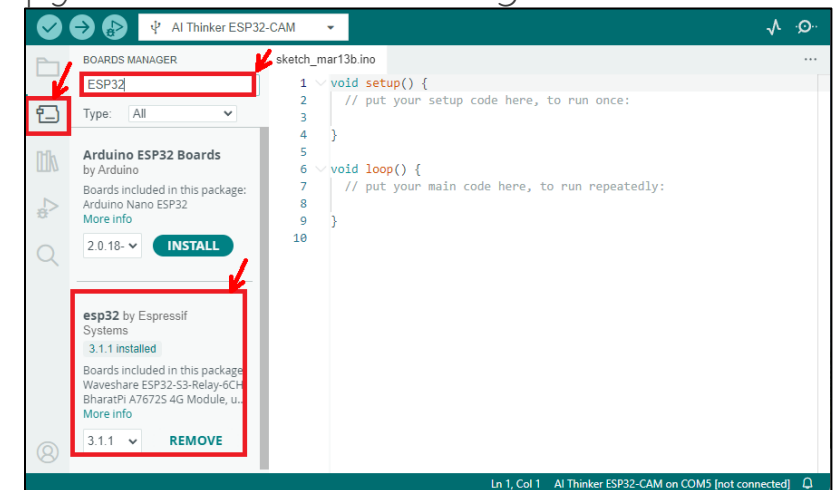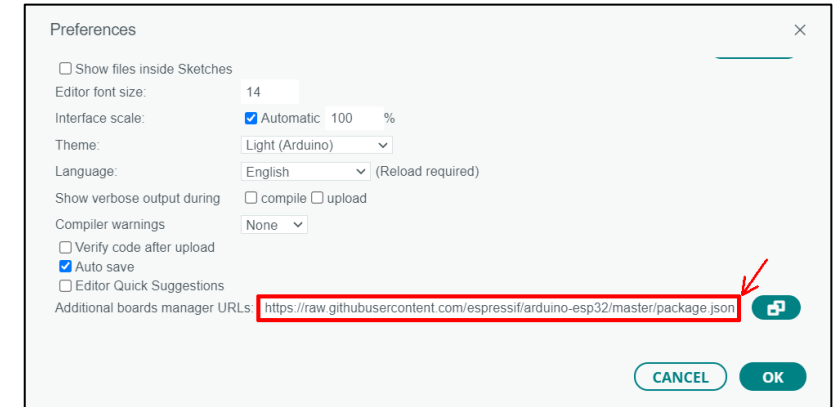
Install ESP32 Add-on

- After installing Arduino IDE 2.0, launch it and go to **File** ➔ **Preferences**.

- Copy and paste the following line to the Additional Boards Manager URLs field:

    https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_index.json

- Open the Boards Manager by going to **Tools** ➔ **Board** ➔ **Boards Manager** or simply click the Boards Manager icon near the top left corner.

- Search for ESP32 and press the install button for esp32 by Espressif Systems.

Install Driver for DOIT ESP32 Devkit V1

- Browse to the following link:

    https://www.silabs.com/developers/usb-to-uart-bridge-vcp-drivers?tab=downloads

- Download and install CP210x Windows Driver.