

## ESP32 ALGORITHM

- 1- Install Arduino IDE
- 2- Installing ESP32 add-on in Arduino IDE
  1. In Arduino IDE go to File → Preferences
  2. Enter " [https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package\\_esp32\\_index.json](https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_index.json) " into the 'Additional Board Manager URLs' field then click OK button
  3. Open the Boards Manager then go to Tools → Board → Boards Manager
  4. Search for ESP32 then install " ESP32 by Espressif System"
- 3- Testing the installation
  1. Choose Board in Tools → Board menu
  2. Select the port
  3. Open File → Example → WiFi (ESP32) → WiFiScan
  4. A new sketch will open
  5. Press upload button in the arduino IDE
  6. If everything went as expected, you should see a **“Done uploading.”**