Arduino IDE - Adding Board Manager

Instructions

- Start Arduino and open Preferences window.
- Enter https://arduino.esp8266.com/stable/package_esp8266com_index.json into *Additional Board Manager URLs* field. You can add multiple URLs, separating them with commas.
- Open Boards Manager from Tools > Board menu and find *esp8266* platform.
- Select the version you need from a drop-down box.
- Click *install* button.
- Don't forget to select your ESP8266 board from Tools > Board menu after installation.

Manually Adding Board Manager

To manually add the board manager for ESP8266 perform the following steps:

> cd ~/Documents/Arduino/hardware

> mkdir esp8266com

> cd esp8266com

> git clone https://github.com/esp8266/Arduino.git esp8266

> cd esp8266

Switch to the release tag

> git checkout 2.4.2

Restart the Arduino IDE

References

Reference	URL
ESP8266 Home	https://github.com/esp8266/Arduino
Installing Board Manager	https://arduino-esp8266.readthedocs.io/en/latest/installing.html