California State University Stanislaus
Department of Computer Science
Project #1

Hardware Setup and Software Setup

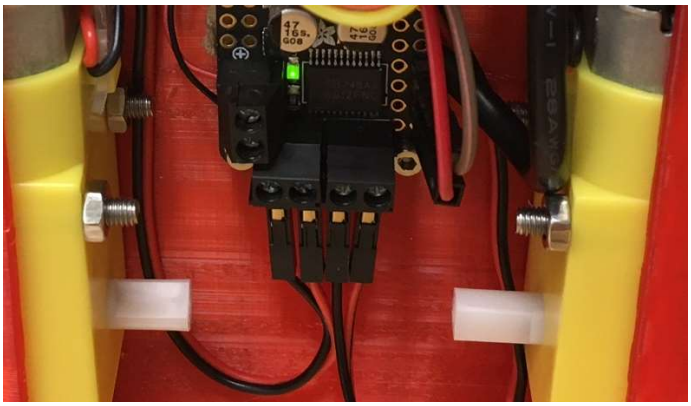
Hardware Assembly

There are 15 Steps for assembling the JetBot robot. These steps are available online at https://github.com/NVIDIA-AI-IOT/jetbot/wiki/hardware-setup

Please note that some steps that require soldering or wire cutting and stripping have been done for your convenience. These steps are

- Step 3 - Solder motor drive
- Step 4 - Strip motor driver power cable
- Step 10 - Solder header onto PiOLED display

Please also note that there is a slight mistake in Step 5 as mentioned in the notice at the end of this step. The following picture shows you the correct connections – the colors of the four wires from left to right are black, red, black, and red.



Power up to start running your JetBot robot

- Press the start button of the battery

Connect to your robot with your computer

- Open a web browser and navigate to http://<jetbot_ip_address>:8888
- Sign in with the default password jetbot

Shutdown your JetBot robot

- Open a terminate window, and type command: sudo shutdown now

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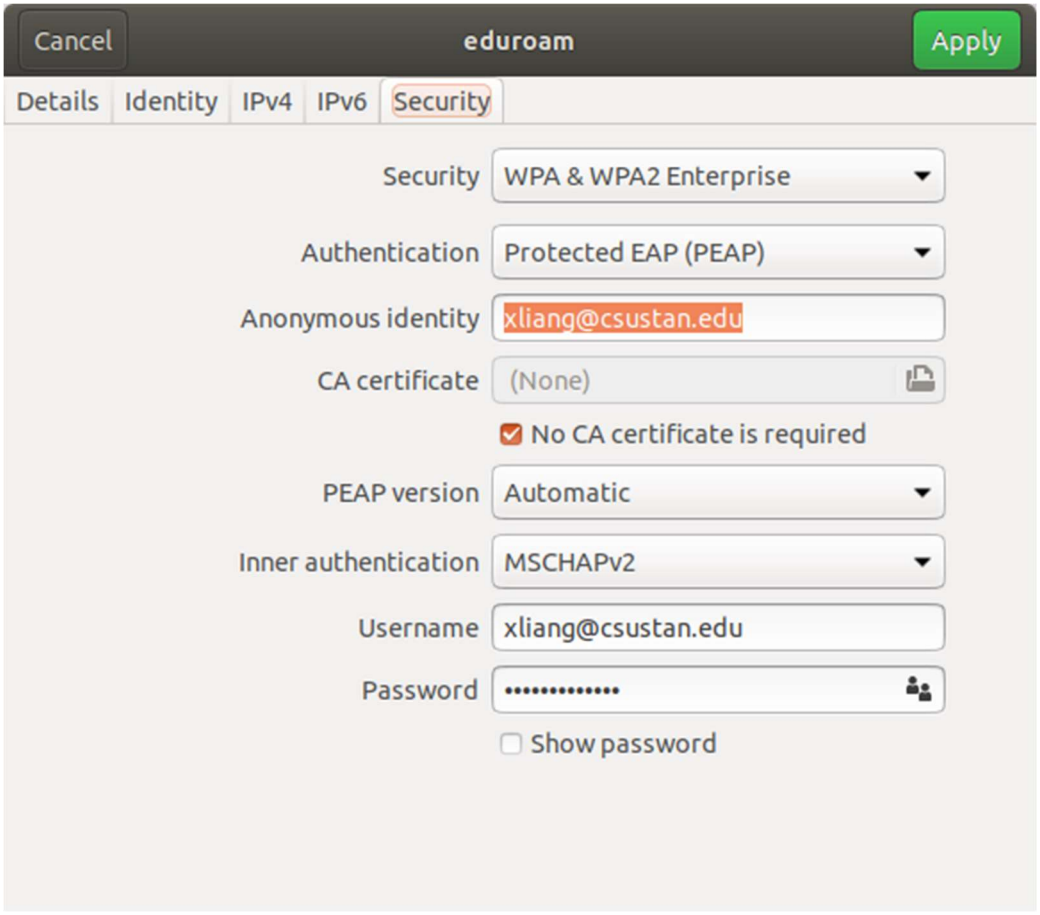
Software Setup

There are 6 Steps for setting up software on the JetBot robot. These steps are available online at https://github.com/NVIDIA-AI-IOT/jetbot/wiki/software-setup

In Step 3 - Connect JetBot to WiFi, you need to use your university email account to setup the WiFi connection. The WiFi Security settings are shown in the following form.



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