

Time:10/8/2020

Team Recorder: Yifan Zhu

Topics: Some problems about ECE444 lab1

After the meeting:1. We are going to watch the videos of ECE444

2. We need to check the seniors' design, which are the whole process.

3. We need to research on Raspberry Pi. Complete the logbook which is due tomorrow.

Records are shown below:

Q: Do you need to watch and learn the course video?

A: Yes, it works for extension learning.

Q: How about homework part?

A: No, that's assigned for students in ECE444, not create one either, you should focus on the lab material and pre-lab homework related to the lab itself. You can see the material before and after lab.

Q: We don't have basic knowledge about raspberry pi. Would you tell us?

A: A single board computer, instead of a mother board, separate from other drives. All separated. It's very cheap. You can put different operations on that. You can put it on windows and Linux system. Companies use it for automatic control. The way used in ECE444, is primary as a communication sniffer, trying to symbolize and reject cyber-attack and monitor the attack if operated correctly. Students can learn from it. I think your focus is mainly SEL as mentioned in the lab. Raspberry pi is only mentioned on ECE444/544 labs.

Q: Can you offer some suggestions about simulation? I mean we should have someone in the lab to help plug the wires to the machines so that we can adjust the data.

A: We can arrange that, but I think that we need to hear from you what we need to do to configure. You need to think what's really good to use in the lab. You should help us to understand how to create network for students off-campus. Creating a system where students don't need to download software to operate. That's your concern. You can design simple system which doesn't configuration while students can easily operate on it.

Q: What's the use of ethernet in the lab?

A: They using it for configuring, controlling the connection between raspberry pi and IDE and hardware.

Q: What's the operating systems we are going to use? Windows 7 or 10, Linux?

A: Different students use different systems; the main point is to develop a system which can be performed in all the platforms without downloading softwares. So that students can just put their codes to command it. You can research on 'raspberrypi.org' to find more information. You can go to 'SEL inc.com' for software configuration. The SEL RELAYs are not based on any operation system. They are embedded devices running on embedded framework. They are running on SEL-based system. We will be more interested in interacting with the RELAY, and configuring settings and reading settings.

Q: What's the snap shot?

A: You need time to figure out what to do in this project. You will choose objects about what you are doing on this project. Presenting it as PPT to let other team to ask questions and help them understand your purposes. You can take terms to go to other team's meeting, but there must be one team member staying in the meeting.

Q: Is the log book individual or for the whole group.

A: It's individual

Q: Should we hold the meeting every week?

A: It's ok if you can work on your own to solve the problems.