12 responses

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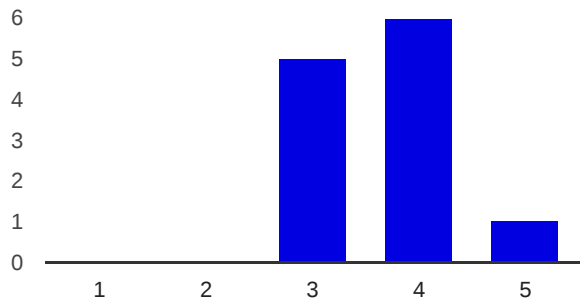
Summary

How did the course meet your learning objectives?



Not met: 1	**0**	0%
2	**0**	0%
3	**5**	41.7%
4	**6**	50%
Fully met: 5	**1**	8.3%

Comments and suggestions

I learnt a lof of new concepts, but not all is clear so far.

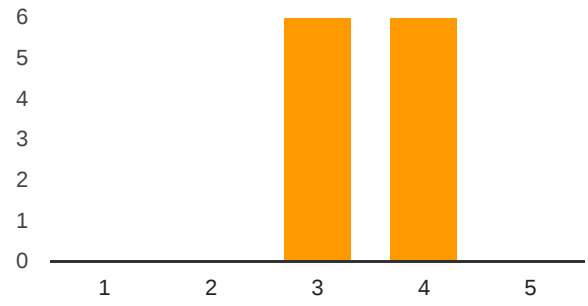
I miss an overview of what sort of driver structures are used for which application. We have seen: * platform driver * bus driver * examples like i2c-driver but there are a lot more types of drivers: * network drivers * iio drivers * ... I miss some kind of overview of different types of drivers

I expected a bit more about what to do with a new board. - board bring-up - bootloader - dts

Labs ok, Presentation unsufficient insight and overview of a complete system/concepts... some basics on dts and bsp would be interesting

The theoretical part did not provide inside in the concepts, it was rather a listing of existing functions and how to call them. This is very unfortunate, because concepts are remembered much longer and one can work much more efficiantly.

How was the duration of the course?



	4	**6**	50%
Definitely too long. :	5	**0**	0%

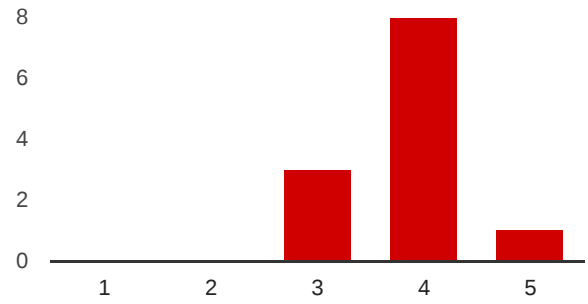
Comments and suggestions

The duration was ok for me, but I would have liked it a bit more spread over time (for example: 2 days a week instead of 5 days in a row).

Split course into 2 periods

5 consecutive days is too long, it would be better to spread over 5 weeks, 1 day per week. This way, we study the theory, ask questions about it, let it sink and understand it much better.

How useful was the lecture document?



Not useful.:	1	**0**	0%
	2	**0**	0%
	3	**3**	25%
	4	**8**	66.7%
Very useful:	5	**1**	8.3%

Comments and suggestions

The documents could be made more instructive by including more graphics so that the concepts could be made more clear.

The lecture document would be more useful with more illustrations and clear examples.

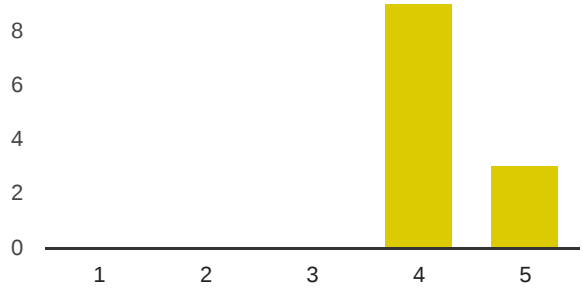
Free electrons documents are generally good. I very often read something from free-electrons website

There is a lot of information in the document. What I missed when example code was given was the file/directory in which the example code could used. I also missed a (graphical) overview of all the files used to create a device driver from scratch.

I missed a general example where the different items where explained with and consequences.... A "live" demonstration during the sessions would be much more comprehensive.

No concepts explained, I am missing the context.

How knowledgeable was the instructor?



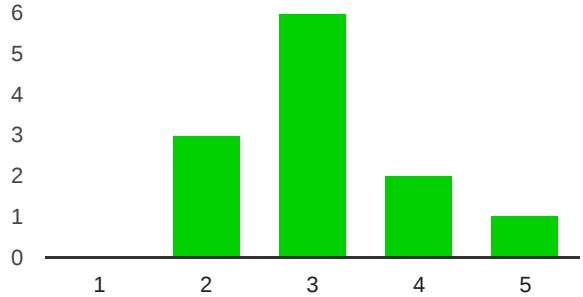
Not enough for me:	1	**0**	0%
	2	**0**	0%
	3	**0**	0%
	4	**9**	75%
More than enough:	5	**3**	25%

Comments and suggestions

I am convinced he is an expert in his domain but to bring over the message, I missed the interaction with the audience, e.g. live demonstration

I can't really know for sure, he knows a lot more about it than me!

How much value did the instructor add to lecture materials?



Not much added value: 1	**0**	0%
2	**3**	25%
3	**6**	50%
4	**2**	16.7%
A lot of added value: 5	**1**	8.3%

Suggestions and comments

The instructor could take a different approach with more time taken to explain the concepts thoroughly and to more interact with the audience to see that people could follow. In the current approach, the theory was given too much in a hurry, and the real understanding came only by doing the labs.

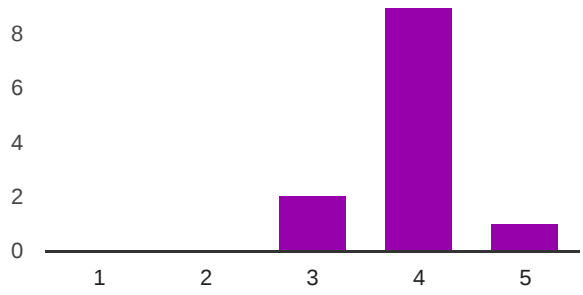
The instructor was very helpful during the lab, but did not bring much to the written materiel during the course itself.

I did not doubt the knowledge of the instructor but I think that he could still improve in giving lectures. To make it more dynamic/interactive.

- He read/presented his slides... No links/bridges to previous handled items were given. It was more an enumeration of topics... no red line

Just reading the slides, no interaction with the public, no concepts explained. Maybe a detail: level of English sometimes not good enough.

Was the instructor helpful with practical labs?



Not much: 1	**0**	0%
2	**0**	0%
3	**2**	16.7%
4	**9**	75%
Very helpful: 5	**1**	8.3%

Comments and suggestions

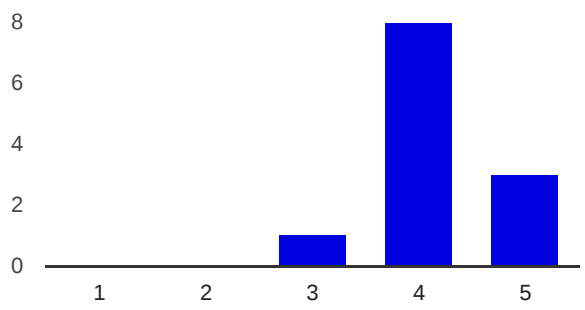
When the instructor interacted while doing the labs, it was very helpful, but it could be done earlier in the lab. Too much time was lost because concepts were not clear at the start of a lab, and a lot of self-study was needed.

Yes, He helped and explained when I got stuck or had a question related to the material.

If asked

He answers to the questions we ask

How useful were the training labs?



Not useful:	1	**0**	0%
	2	**0**	0%
	3	**1**	8.3%
	4	**8**	66.7%
Very useful:	5	**3**	25%

Comments and suggestions

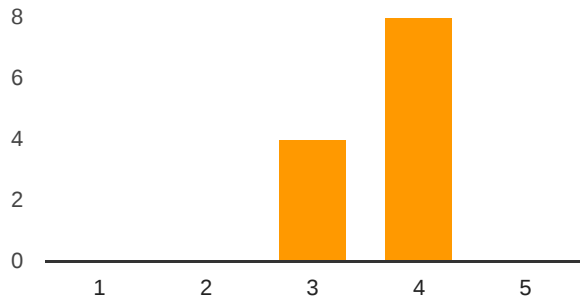
It would be nice if there was a review of the example by the teacher after the training lab with some additional tips and tricks.

I found the exercises mostly interesting and learned quite a few things about linux and how its driver system works.

They were essential as the theory slides remained too vague

Labs were a lot better than the theory, but since we don't know much of the concepts, I wonder what I will remember.

How difficult were the training labs?



Too easy:	1	**0**	0%
	2	**0**	0%
	3	**4**	33.3%
	4	**8**	66.7%

Too difficult: 5	**0**	0%

Comments and suggestions

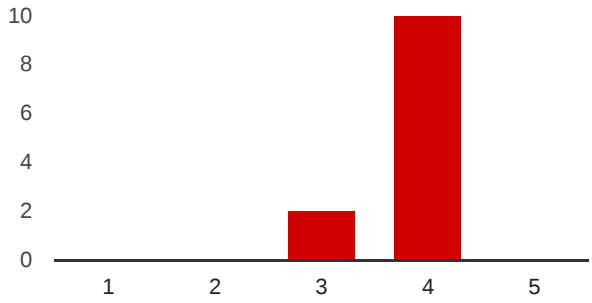
This really depends on experience of the audience.

The lab of the miscdevice driver had me lost

Difficult as the concepts were missing in theory, so theory/concept became more clear during labs, making them difficult, but mandatory to make this course useful

Sometimes I didn't have the impression I was programming, but rather glueing things together. On the other hand, the lab documents are a good guide, maybe they even will be helpful when doing actual development work.

Was enough time dedicated to practical labs?



Definitely not enough: 1	**0**	0%
2	**0**	0%
3	**2**	16.7%
4	**10**	83.3%
Definitely too much time for labs: 5	**0**	0%

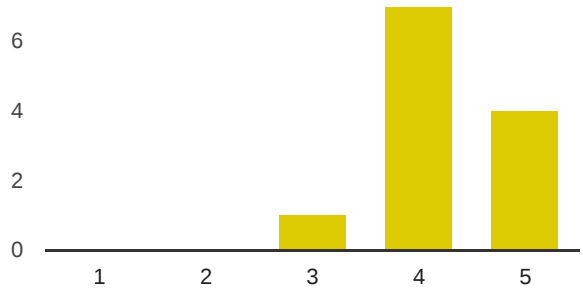
Comments and suggestions

Labs could be shortened by providing the guided solution after a smaller time. This would make some more time to tackle additional items.

OK

Maybe some time of the labs could be used for the theoretical part.

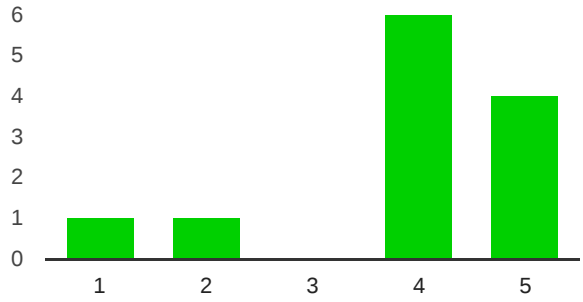
How do you rate training conditions (room size, equipment, environment)?



Comments and suggestions

No responses yet for this question.

How do you rate the training equipment (mainly computers)?



Poor.:	1	**1**	8.3%
	2	**1**	8.3%
	3	**0**	0%
	4	**6**	50%
Very good.:	5	**4**	33.3%

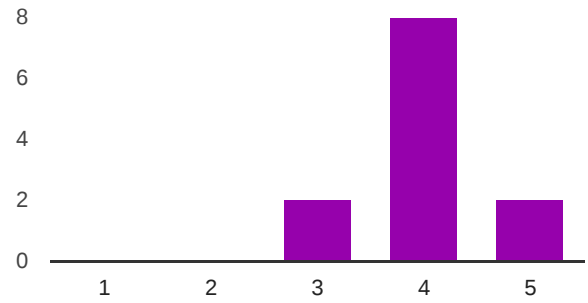
Comments and suggestions

Bad mouse pad (ghost in PC, mouse pointer moved without touching keypad)

Stupid azerty keyboard ..

A hated the mouse pad

How well was the course organized (program, registration, schedule...)?

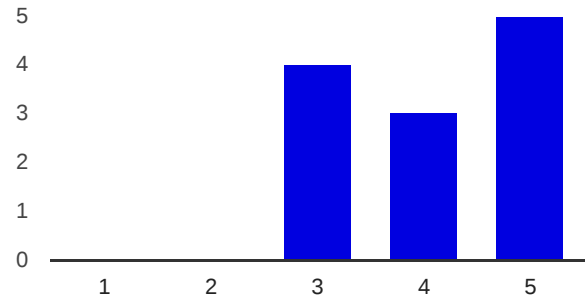


Comments and suggestions

Some topics were handled too quick. E.g.: device tree.

See above, 5 days in a row is not good. Better to spread over 5 weeks.

How much did you learn?



Not much: 1	**0**	0%
2	**0**	0%
3	**4**	33.3%
4	**3**	25%
A lot: 5	**5**	41.7%

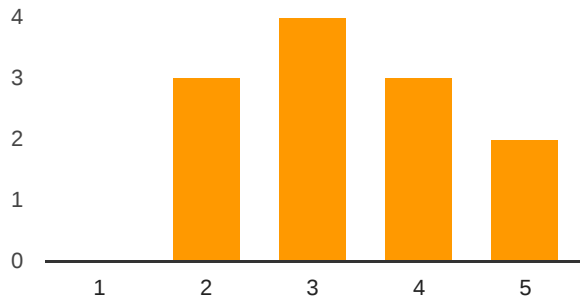
Comments and suggestions

Sometimes I felt a bit 'lost' during the practical labs. I think a graphical overview of files/directories and there relation could really help in understanding the lectures better.

I learned a lot but will need intense review of content and review an example from scratch, starting from HW board towards creating kernel and development basic drivers to test HW. I am HW development engineer which needs testing the HW before SW team starts. So prequalification of the HW before handling over to the SW team, performed by an HW engineer would shorten the verification phase of the HW. Otherwise it is often a ping-pong between both parties.

Missing the concepts!

How useful should this course be in your daily job?



Not useful:	1	**0**	0%
	2	**3**	25%
	3	**4**	33.3%
	4	**3**	25%
Very useful.:	5	**2**	16.7%

Comments and suggestions

I would have liked to work a bit on network drivers a little bit.

As a VHDL/FW developper, I will probably be involved in projects with Altera SoC or Xilinx Zync components.

What part(s) of the course did you like most?

The labs

all

Debug possibilities.

Nunchuk and serial port driver.

the labs

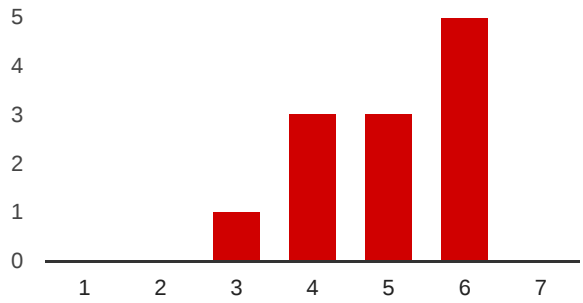
What part(s) of the course did you like least?

The lecture

Locking mechanisms. Was a really short part of the course and it seemed not to add a lot of value to this course

the theory

Overall rating



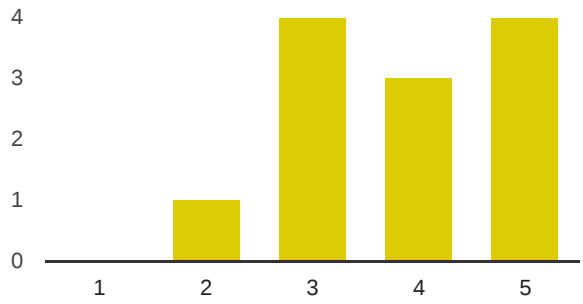
Comments and suggestions

The pronunciation of English of the teacher could be better. It happened that it took some time before some terms were understood.

After the practical lab, go through the result and high light where people often make common mistakes. Do not let the people search to long. Example: searching function printing linux version took us more than 30 minutes. Maybe add in session: try to search 5 times for it, and if you didn't find, turn the page and execute this and go further ==> time reduction + maybe extra pratical lab is possible.

spoken English language of trainer could be better

Further training needs?



No: 1	**0**	0%
2	**1**	8.3%
3	**4**	33.3%
4	**3**	25%
Yes, definitely: 5	**4**	33.3%

Comments

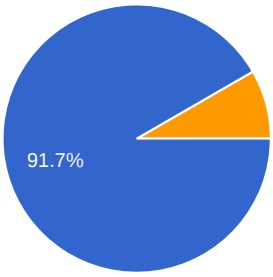
For the moment, it's not clear if we will actually will have to do linux development.

U-boot, starting up a board without linux on processor, ddr2 calibration

The mechanisms behind peripherals which are use streaming content at different levels. Example here is how to implement a driver for an audio AD/DA and how it can be used in the audio framework.

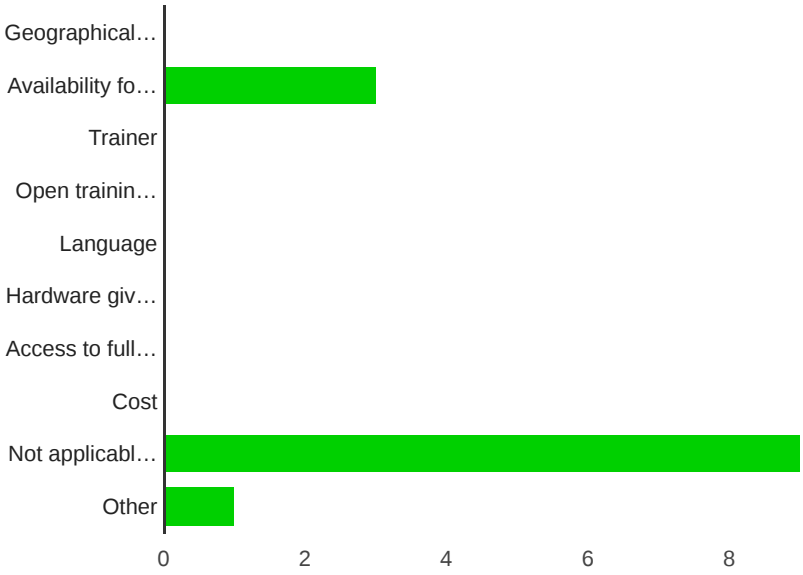
Embedded Linux in general

How far do you come from?



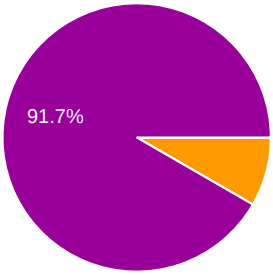
From less than 100 km / 60 miles	**11**	91.7%
From more than 100 km / 60 miles, same country	**0**	0%
From a foreign country	**1**	8.3%

What reasons prompted you to choose Free Electrons?



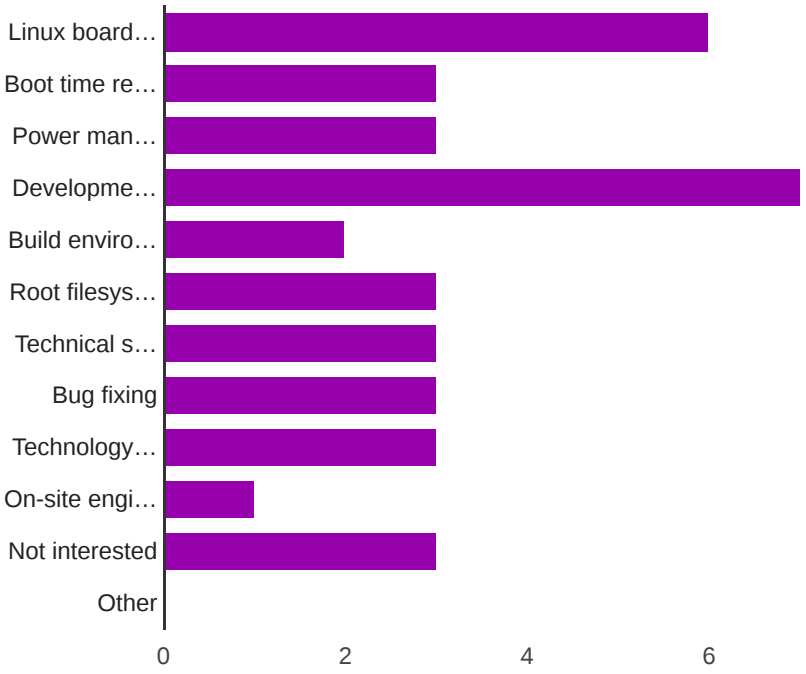
Geographical proximity (public sessions only)	**0**	0%
Availability for on-site sessions	**3**	25%
Trainer	**0**	0%
Open training materials that can be checked in advance	**0**	0%
Language	**0**	0%
Hardware giveaway (public sessions only)	**0**	0%
Access to full feedback from participants to previous sessions	**0**	0%
Cost	**0**	0%
Not applicable - My management made the decision	**9**	75%
Other	**1**	8.3%

How did you first learn about Free Electrons?



Course recommended by previous participants	**0**	0%
Internet search engines	**0**	0%
Technical resources on the Free Electrons website	**1**	8.3%
Presentations in conferences	**0**	0%
Free Electrons chosen by my management	**11**	91.7%
Other	**0**	0%

Interested in other types of embedded Linux engineering services?



Linux board support package development	**6**	50%
Boot time reduction	**3**	25%
Power management	**3**	25%
Development of real-time systems	**7**	58.3%
Build environment support	**2**	16.7%
Root filesystem development	**3**	25%
Technical support	**3**	25%
Bug fixing	**3**	25%
Technology and architecture consulting	**3**	25%
On-site engineering	**1**	8.3%

Not interested	**3**	25%
Other	**0**	0%

Comments and expectations

No responses yet for this question.

Number of daily responses