Q55 - Do you have any suggestions as to how the ONLINE PRACTICALS can be improved?

Do you have any suggestions as to how the ONLINE PRACTICALS can be improved...

Preparation activities prior to the practicals.

It was upsetting that our marks were adjusted so often, so drastically and so easily. Some peers lost up to 20% on a practical due to this, so we never really knew to trust the first version of our marks when they came out because we knew they would change anywhere between a day to 2 weeks after they came out.

Please make it face to face. Batches by batches

More preparation videos - I was confused with my second practical and did not perform well in it. Actual demonstration using real circuit pieces

More vidoes

None

A video of someone taking a circuit and replicating it in tinkercad etc. would be helpful.

Just a better in depth explanation on how breadboards are supposed to be used

No

Add more time for the tests.Maybe 30 minutes extra.

On campus practicals are much better than online practicals. Physically building the circuits are much more fun than using software to generate circuits. Hence I have no suggestions as to how online pracs can be improved.

More tutorials of practice examples, more pre-prac activities

None it is more than we could have asked for

The pre-prac videos are helpful but could be better, they help but not quite relate to how the practical is done. If more examples where given that are more similar to how the questions in the practical are that would help

Provide more videos to guide using different examples.

No

Instructions should be made as clear as possible.

Honestly I really enjoyed them.

I was exemped so NA

Do you have any suggestions as to how the ONLINE PRACTICALS can be improved...

Methods in which the practicals were presented were sufficient.

Have kits either handed/sent out to students to have circuits built at home, measurements still made in simulation, but marks allocated to physical building of the circuit, maybe adding indication of where to take certain measurement.

Introduce practice tests for prac 2 and 3 just as how it was done for prac 1

No

rather do them at campus, online practical's just feels like another test and not actual hands on experience.

Release the softwares and example circuits that students will be busy early(preferably two weeks ahead) Although the time given for doing the actual practical was enough, I felt the time to practice and get to understand the software was short.

Could you just explain if you can do the practicals with or without the bread board for tinker cad and the steps to trouble shoot your circuit if ours are not giving values with the bread board because we are stressed and do overlook small things.

N/A

Provide videos showing how to do various examples, I watched YouTube videos and the videos provided but still fairly struggled with the pracs, it would be appreciated if more examples were shown

N/a

Have more smaller projects so that students are forced to practice on the simulation programs. Then a certain number of these smaller assignments can contribute towards the mark (example, if there are 5 small assignments, make 3 count).

no. i think it was good enough

Proper guidance may be very helpful when we encounter glitches

Using more detailed practical components to avoid confusion when working with real components

Maybe be more concise in the instructions on how to undertake each practical. Especially in Practical 1, I felt a bit confused and left to figure out some parts on my own.

Encourage more practice using the simulations

It was slightly difficult to use LTSpice with a mac. My layout was somewhat different and I didn't understand exactly what I was doing sometimes, despite going through the practical notes and videos numerous times. It would be very helpful if we could have tutor sessions in which we can go over the practicals to ensure we understand what is expected of us. (I did not find a place in this form for lecture feedback, so I'm just going to write it here) I did not benefit from the recorded lectures. I found that it was easier for me to go over the textbook myself, and then do questions. It would have been highly beneficial if lectures were perhaps put in slideshow format and more examples were done during lectures. More live lectures with question/answer opportunities would also have been appreciated, however I understand from your point that not many students attend.

Bring Face to Face.

It would be great if a tutor could be available to help for specific sessions. I remember a lot of students asking for help in the groups and different students gave them different answers. If a tutor can be available, you will not feel completely alone and lost in the contents. It is also beneficial because you can get more trustworthy answers to your questions and not just fellow confused students speculating.

Do you have any suggestions as to how the ONLINE PRACTICALS can be improved...

Ship everyone their own components :)

If possible could there be a live collaborate session going on during the practical. There was support available but the method of emailing or telegram felt like you are not acknowledge and that the response will take too long so most students would rather skip the question to save time than to wait for an email or telegram message to be replied

The Online Practicals were well coordinated for me. I would like to suggest a 10 mins extra. Some of the students experience network problems for about 15 mins, trying to reload to JAMS or restarting their devices.

Learn students how to use more advanced software.

More resources to learn how to use the software

More time can be given and more theory to handle these practicals can be given.

No they are good as is.

Teach students how to use tinkercad more thoroughly

More assistance with LTspice

More examples can be given in the pre-prac videos/slides.

No.

Include simulations as if students are in the respective labs

It would be helpful I the lecturers could have a scheduled session for questions on the practical as well as providing more accurate circuits for students to see, especially for Practical 2 and 3 on thinkercad

Having tutorials for each practicals

No.

End of Report