

The Department of Electronics and Communication had organized a hands on session on Multisim Circuit Design on the 4th of September, 2020.

Various free versions of Multisim is available. However we opted for NI Multisim and Multisim Live as they were available on a trial basis, and students had the option to download the same at their place of residence. With Multisim Live, live circuits can be designed, executed and waveforms can also be seen on the webpage itself using smartphone also.

Two separate sessions- one in the morning half and the other in the evening half were executed to share with the students basic concepts in circuit design and PCB implementation.

The morning session was conducted by Prof. Geetali Saha and she started with basic details of an Operational Amplifier. We started with basics of circuit building using an operational amplifier.

Later a zero crossing detector circuit was built by students under her mentorship.

The same was tested on the Live Multisim and NI Multisim platform using LED on off mechanism.

The afternoon session was conducted by Dr. Deven Trivedi and he started with the basic theory of the Timer IC, IC 555 was first shared with the students to ensure good understanding.

He then began building up the entire circuitry. And demonstrated the functioning of the same on the said platform.

Also, he further showed the use of Ultiboard by transferring the circuit and leading towards PCB manufacturing.

A total of 10 students attended the same.





