



ONLINE WORKSHOP- EVENT REPORT

EXTENDED INDUCTION PROGRAM



BMS COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING

EXTENDED INDUCTION PROGRAM-EVENT REPORT

NAME OF THE EVENT: ONLINE WORKSHOP ON ELECTRONICS
SIMULATION MULTISIM-LIVE

DATE OF CONDUCT: 15, MAY 2021 and 22, MAY 2021

LOCATION OF THE EVENT: GOTOMEETING APPLICATION

NUMBER OF STUDENTS ATTENDED: 43

WORKSHOP HANDLED BY: PROF. ARCHANA.K AND PROF. AMBIKA. K

SPONSORING ORGANIZATION: DR. KANMANI.B

(DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION)

EVENT TIME: 4:00-5:30 PM

MAIN OBJECTIVE OF THE PROGRAM: To impart technical knowledge and give hands-on experience on the topic electronics simulation tool- multisim live.

Moreover, this workshop was not only restricted to electronics branch student but also for other branch students to gain this skill.

EXECUTIVE SUMMARY OF THE EVENT:

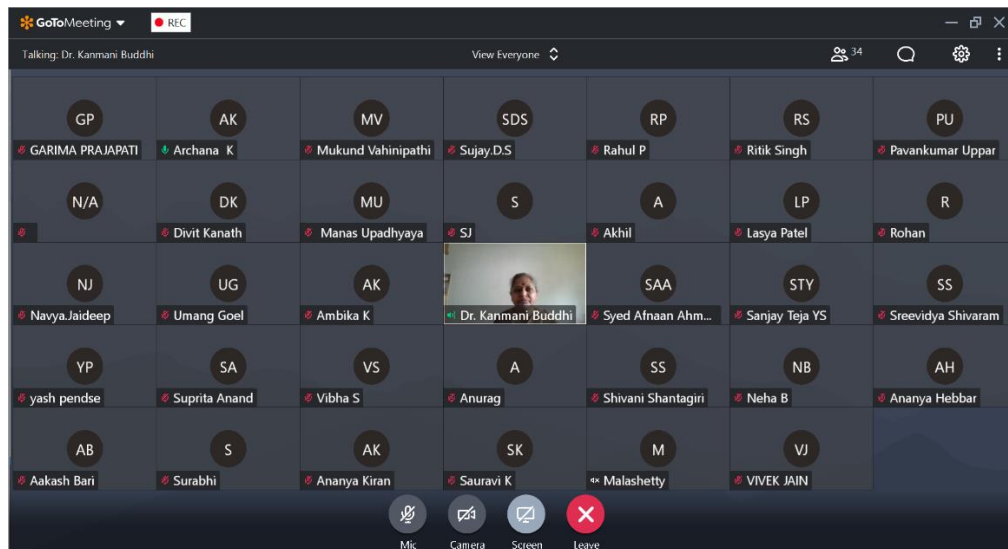
- A brochure was made to invite the students and give more details about the event.
- A list of interested student with their details were collected. This data was saved in Google spreadsheet.
- A link for the meeting on GoToMeeting was shared to the students prior to the meeting.

Day 1:

15 May, 2021

TIME:4:00-5:30PM

The event was inaugurated by **DR.KANMANI.B.**



This session was handled by **professor ARCHANA.K.**

In the 90mins of the session, she successfully imparted her knowledge on electronics and made it quite simple and interesting for the students.

She guided us throughout the signing up process for the **MULTISIM SIMULATION -TOOL** available on the internet.

This meeting was also recorded and will also be shared to all the students.

Further in the session, following topics were covered using the simulation multisim tool:

- (1.) Forward and reverse bias condition-V-I Characteristics
- (2.) Half wave rectifier
- (3.) Bridge rectifier
- (4.) Zener diode shunt regulator

This was followed by a doubt session, wherein students interacted with the professors and cleared their doubts.

Assignment for the same, was given to the students to practise and clear their concepts and to have more experience with the tool.

Overall, it was a very informative, interactive and a great learning experience for all the students. In this session, students actively participated and performed as per the instructions given by the professors.

Key accomplishments:

- Students enjoyed learning the new concept on circuit simulation in a new way i.e., '**learning by doing**' as said by the **professor AMBIKA.K**
- Not only students from electronics branch learned this, but students from the other branches were also benefitted.
- This was a successful step towards exploring technology for a better future of the students.

The screenshot displays a GoToMeeting window. At the top, it shows the GoToMeeting logo, a 'REC' indicator, and a 'Talking: Archana K' status. Below this is a grid of participant icons, each with a small video thumbnail and a name (e.g., GP, MV, SDS, RP, RS, PU, N/A, DK, MU, S, LP, R, NJ). The main content area shows a browser window displaying the MultisimLive website. The website features a navigation bar with 'FEATURES', 'PRICING', 'COURSES', and 'RESOURCES', and a 'LOGIN' button. The main heading reads 'Discover Electronics with Online SPICE Simulation', with buttons for 'SIGN UP FOR FREE' and 'SEE HOW IT WORKS'. A cookie consent banner is visible at the bottom of the browser window. On the right side of the meeting interface, there are controls for camera, volume (61%), and screen sharing. At the bottom, there are icons for 'Mic', 'Camera', 'Screen', and 'Leave'.

GoToMeeting REC

Talking: Ambika K View Everyone 40

The screenshot shows a GoToMeeting interface with a grid of 40 participants. The main content area displays a shared application window titled "V_I characteristics of diode". The application window is split into two panes. The left pane shows a circuit diagram with a diode, a DC voltage source (V1: 1.5V), and a DC current source (I1: 5.43333mA). The right pane shows a graph titled "Interactive 1" with a y-axis labeled "V (V)" ranging from 0 to 1.4 and an x-axis labeled "I (mA)" ranging from 0 to 1.4. The graph displays several curves representing the V-I characteristics of the diode. A tooltip "Click and drag to move" is visible over the graph.

GoToMeeting REC

Talking: View Everyone 44

GP GARIMA PRAJA...	Archana K	MV Mukund Vahini...	SDS Sujay.D.S	RP Rahul P	RS Ritik Singh	N/A	DK Divit Kanath
MU Manas Upadh...	SJ	LP Lasya Patel	R Rohan	NJ Navya.Jaideep	HJL HamsaPriya J L	MP Manoj P	VV Vijaya Verma
NK Nevya Khandel...	UG Umang Goel	AK Ambika K	SAA Syed Afnaan A...	STY Sanjay Teja YS	SS Sreevidya Shiv...	YP yash pendse	SA Suprita Anand
VS Vibha S	A Anurag	SS Shivani Shanta...	NB Neha B	AB Aakash Bari	S Surabhi	AK Ananya Kiran	K KESHAV
LP lakshmi priya	VJ VIVEK JAIN	A Aayushi	S ss	AS Ananya Srinivas	AH ananya hebbar	A Anagha	PG Pallavi G
YG Yukthi G	NP NAGESH PUTT...	AM Akash M	SK Sauravi Kulkarni				

DAY 2:

22 MAY,2021

This session was handled by prof **AMBIKA.K.**

In one and a half hour of the class, she explained us the complete topic of operational amplifiers with hands-on experience of the tool.

The following topics were taught to us:

- Voltage follower
- Inverting amplifier
- Non-inverting amplifier
- Added circuit

This was followed by a brief explanation of sub-topics with representation on the multsim tool. The output we got in the experiments were explained to us in detail.

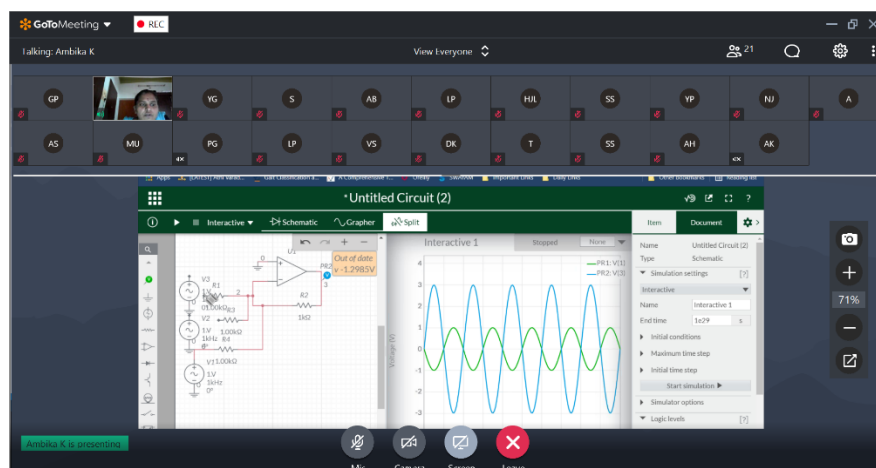
The session was made very interactive by a doubt session. She also made sure that we enjoyed and learned the things simultaneously.

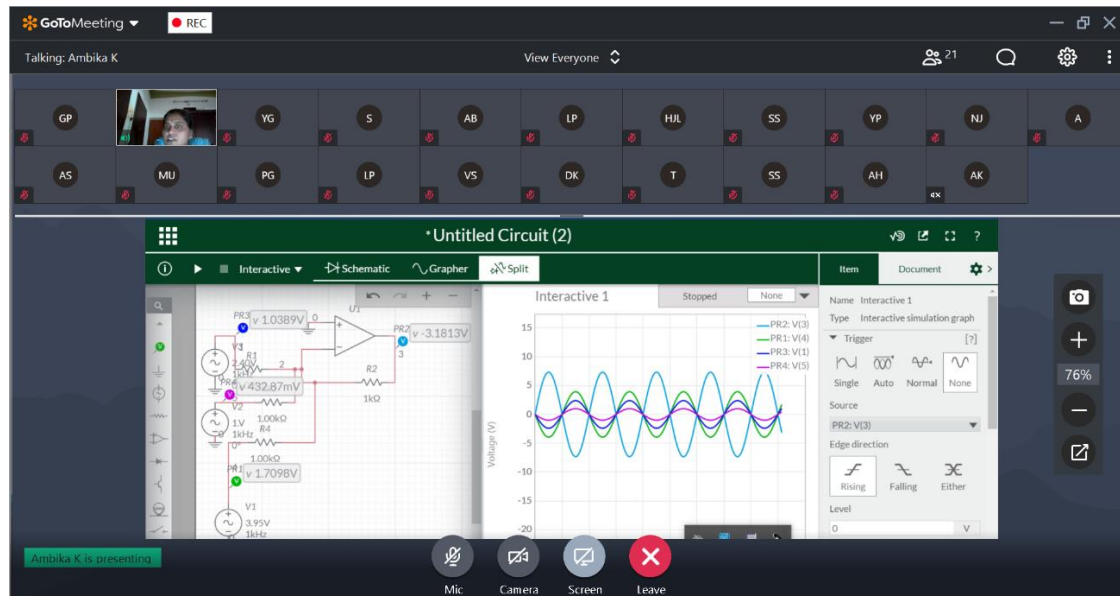
We were given an assignment for gaining better hands-on experience on using the tool.

Overall, the students successfully learned using this tool.

Key accomplishments:

- This course was successfully completed with a beneficial skillset added to the student's profile.
- Students are now really interested to learn more about these topics further.





FEEDBACK BY THE STUDENTS REGARDING THE EVENT:

Please share your thoughts about the session. *

*It was a wonderful experience, never knew it could be this easy
Good.*

It was interesting.

It was good.

Good information.

It was fun and will be easy to understand the theory part. Looking forward to more such activities.

It was very interesting to learn this software to solve problems.

It was interesting to make circuit by own.

Was Informative.

It was very interesting and also engaging as we create circuits and also get outputs from it. It was great having our teachers guide us through this session.

Good, productive and informative.

Very nice.

I was awesome.

It was good.

It was very interesting. The session was very interactive and got to learn new stuffs.

Enjoyed learning new circuits.

The session was very informative and helpful. Got to learn something new.

How do you think this session could have been improved?*

Might need more sessions like these.

It's fine.

No need of improvement.

No idea.

I think it was all good.

By going a little slow.

I think it's already good.

**On behalf of the student community, I would like to thank DR. KANMANI.B,
Prof. ARCHANA.K and Prof. AMBIKA.K for organizing and taking such a
wonderful session. We hope to have sessions like this in the future as well.**

**Prepared by:
Garima Prajapati**

(1BM20ET016)

BMS COLLEGE OF ENGINEERING

**DEPARTMENT OF ELECTRONICS AND
TELECOMMUNICATION**

**AS A PART OF EXTENDED INDUCTION
PROGRAM
PRESENTS**

**ONLINE WORKSHOP ON
ELECTRONIC SIMULATION
TOOL-MULTISIM LIVE**

WORKSHOP HANDLED BY

**PROF.AMBIKA.K &
PROF.ARCHANA.K**

**15TH,MAY 2021
22ND,MAY 2021
FROM 4:00-5:30PM**

EVENT CO-ORDINATOR:

**DR.KANMANI.B
GARIMA PRAJAPATI
(1BM20ET016)
SUJAY DS
(1BM20ET051)**

