

Workshop on
“Virtual Lab: Effective Tool for Teaching and Learning”
for
Faculty & Student of Diploma in Electrical Engineering

Report

Electrical Engineering department have conducted a workshop on “*Virtual Lab: Effective Tool for Teaching and Learning*” for faculties & students of diploma in Electrical Engineering on 19th September, 2020. Total 95 students and faculties have registered for the workshop. Total 55 participants have attended the workshop. Students and faculties from Maharashtra, Gujarat and Tamilnadu have attended the workshop.

Prof. V. S. Shirwal has given the information about the activities and various achievements of the department & institute and set the objectives of the workshop.

Prof. Irfan Mujawar conducted the first session and demonstrated experiments on the virtual lab of power system and substation automation. Second session is conducted by Prof. A. J. Mehta. He has shown the demonstration of experiments of electrical machine lab. Prof. S. S. Shaha had taken the third session who conducted the practicals of electrical measurements lab. Prof. H. J. Mane taken fourth session and performed the practicals on Electrical circuits lab. Last session is taken by Prof. V. S. Shirwal on the virtual lab of microprocessor and microcontroller. He has also demonstrated experiments using Proteus software.

The information about filling the outreach feedback form has been given by Prof. Irfan Mujawar. Concluding remark and vote of thanks has been given by Prof. V. S. Shirwal.

The overall coordination of the workshop has been done by Prof. Irfan Mujawar.

Zoom Meeting You are viewing Irfan Mujawar's screen View Options Enter Full Screen

Recording

N.K. ORCHID College of Engg. and Tech. Solapur.
INVITATION
 Department of Electrical Engg.
 Greetings from NKOCET, Solapur.
All the Polytechnics faculties & Students are invited for the
Workshop on Virtual Lab.
Effective Tool for Teaching Learning
 Please join and grace
On 19th September, 2020 at 11.00 am to 01.00 pm
 Registration for Workshop on
<https://forms.gle/zTwpcP5WMuwaPKFp9>
 Platform- Zoom/meet/Microsoft Team.
 For any query contact Vlab. coordinators
Prof. Irfan Mujawar
 (Mob:- 9970896478)
 Best Regards,
Prof. V.S. Shirwal H.O.D. **Dr. J.B. Dafedar** Principal
 #Stay Home Stay Safe#

Participants (47)

Find a participant

- SACHIN KORE (Me)
- Irfan Mujawar (Host)
- AD Aadiya Dande
- AM Adarsh Mehta
- a Adarsh Mehta
- AV Annapurna Valsange
- AB Asfaq Bakrolwala
- AM Asharali Mulla
- B B.Nimale
- b Bipin Parkhe
- G PRASAD
- HS Harshada Satpute
- H Hemant Mane
- H Humera

Audio Start Video Participants 47 Chat Share Screen Record Leave

Type here to search

11:06 19/09/2020

Zoom Meeting

Recording

Webinar
Skill Development in the Renewable Energy Sector
 free Webinar 10th May, 2020 12:00 p.m IST
 Join with Google Meet : meet.google.com/xhw-lwid-ikh
 ONLINE PROGRAMMES ABOUT RENEWABLE ENERGY & ENERGY STORAGE
 Guest of Honour Dr Vijay Wadhwa Principal, DY Patil College of Engg. Pune
 Keynote Speaker Prof. Dr. OmPrakash G. Kulkarni Scientist, Mentor & Advisor
 Uday Kulkarni Founder & Director of Spitzen Energy and Spitzen Academy
 For Registration, please contact us: Phone: +91 8088806295 Email: spitzenacademy@gmail.com

Participants (56)

Find a participant

- SACHIN KORE (Me)
- Irfan Mujawar (Host)
- Vijaykumar Shirwal
- 7 749fd419
- AD Aadiya Dande
- AM Adarsh Mehta
- a Adarsh Mehta
- AV Annapurna Valsange
- AB Asfaq Bakrolwala
- AM Asharali Mulla
- AA ASHOKKUMAR ARJANBHAI PAR...
- B B.Nimale
- b Bipin Parkhe
- G PRASAD

Audio Start Video Participants 56 Chat Share Screen Record Leave

Type here to search

11:28 19/09/2020

Zoom Meeting

Recording

SACHIN KORE | Vijaykumar Shir... | Irfan Mujawar | B.Nimale | Miftha

Extensive use of Virtual Lab

Participants (56)

Find a participant

- SACHIN KORE (Me)
- Irfan Mujawar (Host)
- Vijaykumar Shirwal
- 42_Btech_kalyani patil
- 44_Btech_Gayatri koli
- Aaditya Dande
- Adarsh Mehta
- Adarsh Mehta
- Annapurna Valsange
- Asfaq Bakroliwala
- Asharali Mulla
- B.Nimale
- Bipin Parkhe
- G PRASAD

Invite Unmute Me Raise Hand

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11:15 19/09/2020

Zoom Meeting

Recording

SACHIN KORE | Vijaykumar Shir... | Irfan Mujawar | Miftha | 749fd419

Placement 2019-2020

N.K. ORCHID College of Engg. & Tech., Solapur

Electrical Engineering Department (Placement 2019-20)

56* students got placed & still continues....

Participants (57)

Find a participant

- Santoshi Palampalle
- Shahrin Shaikh
- Shital Aherkar
- Shweta Gaiwad
- Shweta prajapati
- sp Boss
- SS
- Sufiyan Patel
- Supriya Sutar
- Vaishnavi Vadnal
- Vidya
- Vijaykumar Shirwal
- 123456
- Saurabh Gawndare

Invite Unmute Me Raise Hand

Type here to search

11:23 19/09/2020

Simulator

Feeder Parameter Monitoring

Click here to CONNECT/DISCONNECT the load

DCS

Press ESC or double-click to exit full screen mode

33 Kv Incomer

GOS 1 CB1 Meter Reading(M3)

I(A)	V(kv)	P(kw)
5	33	285.78

GOS 2 M3

33 Kv Bus

GOS 4

33 Kv/11 Kv/5MVA TR 1

CB2 CB3

33 Kv/11 Kv/5MVA TR 2

CB4 CB5

Open

11 Kv Bus

M1 CB6 Meter Reading(M1)

I(A)	V(kv)	P(kw)
15	11	285.78

GOS 5

F1

M2 CB7 Meter Reading(M2)

I(A)	V(kv)	P(kw)
0	11	0

GOS 6

F2

Reset

Participants 49

Chat

Share Screen

Record

Reactions

Leave

Zoom Meeting

Recording

Participants (48)

Find a participant

SACHIN KORE (Me)

Irfan Mujawar (Host)

Adarsh Mehta

123456

749fd419

Aaditya Dande

Adarsh Mehta

Annapurna Valsange

Asfaq

Asharali Mulla

ASHOKKUMAR ARJANBHAI PAR...

B.Nimale

Dinesh Pawar

G PRASAD

Invite Unmute Me Raise Hand

emg-ltr.vlabs.ac.in/electrical-machines-(simulation)/exp/dchunt-motor-armature-control/round-template/experiment/simulation/main.html

ON

Starter

Voltmeter

Ammeter

Speedometer

1150

Field Resistance

Armature Resistance

Motor

Rotor

OBSERVATION TABLE

SNo.	Voltage	Speed
1	220	1360

Create Graph

Type here to search

12:14 19/09/2020

Zoom Meeting You are viewing Samruddhi Shaha's screen View Options

Recording

Post Attendee - Zoom Virtual Labs - Electroni... Three Phase Power Me... Three Phase Power Me... To study the Kelvin Do... vlab.iitkgp.ac.in/as...

Three Phase Power Measurement

Balanced Load Unbalanced Load

Procedure:

1. Set the 3Phase (Line to Line) voltage 100 V at frequency = 50Hz.
2. Set the balanced load value.
3. Switch on the supply to get the meter readings and click on 'Fill the Table' button to update the observation table.
4. Compare calculated power (W_C) with the measured power (W_M) for each observation.
5. Then change the balanced load value to take another observation.

N.B.: Click on the fuse indicator to replace it, if it got fused.

Fill the Table

Observation Table

Serial no. of Observation	V_{LL}	I_L (Amp)	$\cos\phi$ (pf)	V_{LL}	I_L (Amp)	$\cos\phi$ (pf)	I_L (Amp)	W_1	W_2	W_C (Calculated power)	W_M (Measured Power= W_1+W_2)
1st											
2nd											
3rd											
4th											
5th											

Participants (50)

Find a participant

- SACHIN KORE (Me)
- Samruddhi Shaha (Host)
- 123456
- 749fd419
- Aaditya Dande
- Adarsh Mehta
- Adarsh Mehta
- Annapurna Valsange
- Asfaq
- Asharali Mulla
- ASHOKKUMAR ARJANBHAI PAR...
- B.Nirmale
- Chandrasen Bagal
- G PRASAD

Audio Start Video Participants Chat Share Screen Record Leave

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12:44 19/09/2020

Virtual Labs - Electronics & Com... Kirchhoff's Laws (Simulator) : Ele... Thevenin's Theorem (Theory) : Ele...

DC Circuit Simulation

Theory Procedure Self Evaluation Simulator Assignment Reference Feedback

Visual Circuit Advance

SELECT VIEW

☐ Lifelike ☒ Schematic

Show Values

Components

- Switch
- Non Contact Ammeter
- Voltmeter
- Bulb
- Resistor
- Wire
- Ammeter
- Battery

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Zoom Meeting

You are viewing Vijaykumar Shirwal's screen

View Options

Recording

Enter Full Screen

Sevensegment4511CC - Proteus 8 Professional - Schematic Capture

File Edit View Tool Design Graph Debug Library Template System Help

Schematic Capture

DEVICES

7SEG4511CC1000 10WATT1K 4511 AT180C01 SW1 DPST SW1 DPST SW1 SPST

ANIMATING: 00:00:41.200000 (CPU load 12%)

Participants (35)

Q Find a participant

- SACHIN KORE (Me)
- Vijaykumar Shirwal (Host)
- 123456
- AD Aaditya Dande
- AV Annapurna Valsange
- AM Asharali Mulla
- BN Bhagyashri Nimale
- Chandrasen Bagal
- Dinesh Pawar
- G PRASAD
- Gajja Prasad
- I Irfan Mujawar
- KS Kiran S.P
- M Manasi Vedpathak

Go to Settings to activate Windows.

Invite Unmute Me Raise Hand

Audio Start Video

Participants Chat Share Screen Record

Type here to search

13:39 19/09/2020

Recording

Speaker View Exit Full Screen

Vijaykumar Shirwal

SACHIN KORE

Gajja Prasad

Irfan Mujawar

Chandrasen Bagal

Kiran S.P

Rahul Gadagi

Sachin Kore

Manasi Vedpathak

Annapurna Vals...

123456

Om Dukare

Samruddhi Shaha

Asharali Mulla

Supriya Sutar

Md.Arshad Salar

Vijaykumar Shirwal

Mr.SACHIN GH...

Aaditya Dande

Onkar

Padmavati Nagans...

Vidya

Santosh Kumar

Nitin Gawali

Vaishnavi Vadnal

Activate Windows

Go to Settings to activate Windows.

Audio Start Video

Participants Chat Share Screen Record Reactions

13:39 19/09/2020