



Report on 2-Day Free Workshop on Revisiting Class 12 Laboratory Session with Dept. of ECE



Organized by: Electronics and Communication Engineering

Date & Time: 25/08/2021 at 10:00 AM – 12.30 PM & 26/08/21 at 2:00 PM – 04:30 PM

Mode of Delivery: Online (Google Meet)

Meeting Link: <https://meet.google.com/tbv-nhiy-tyz>
<https://meet.google.com/pzs-fsjg-urp>

No. of Participants: 16

Nationality –Indian

Objectives: To demonstrate the some laboratory experiment of class 12 syllabus and also some modern design software.

Summary of Sessions

Sl. No	Resource Person with profile details	Topic	Major Insights
1	1. Jeet Banerjee (Assistant prof., ECE, SOET) 2. Mr. Uttam Basak (Technical Assistant,ECE,SOET) 3. Mr. Pradip Kumar Roygupta (Technical Assistant,ECE,SOET) 4. Mrs. Payel Chakraborty (Technical Assistant,ECE,SOET)	1. Introduction to the Workshop and Introduction to PN Junction Diode. 2. Input-Output Characteristics of P-N Junction Diode (Live). 3. A session on Design your own Electronic Circuit using commercial Software and realize you own PCB. 4. A session on career aspects in Electronics and Communication Engineering	Some Points Discussed are as Follows: - 1. Discuss about PN Junction Diode 2. Breadboard, Vero Board, and PCB 3. Measurement of Resistance of a Wire 4. Practical Optical Fibre Cable 5. Electronic Circuit using commercial Software and realize you own PCB

Abstract of proceedings: (in about 500 words)

Department of Electronics and Communication Engineering, SOET, Adamas University organized a 2-Day Free Workshop on Revisiting Class 12 Laboratory Session which is becoming a career aspects in Electronics and Communication Engineering students. The talk is scheduled on **25/08/2021 at 10:00 AM – 12.30 PM & 26/08/21 at 2:00 PM – 04:30 PM.**

The workshop started with an introduction and departmental recorded video and Introduction to PN Junction Diode conducted by Jeet Banerjee (Assistant prof., ECE, SOET).He tells about main structure of PN Junction Diode.

Mr Uttam Basak (Technical Assistant, ECE, SOET) demonstrate about Input-Output Characteristics of P-N Junction Diode. It is a live conducted session how to make circuit of p-n junction diode and collect reading and draw a graph.

Mr Pradip Kumar Roygupta (Technical Assistant, ECE, SOET) demonstrate about Various Boards (Breadboard, Vero Board, and PCB). Breadboard is used for design circuit as testing purpose, Vero board used for soldering purpose and PCB used for final design. End for day 1.

Next day started by Mr Uttam Basak, he conducted an Experiment about measurement of resistance of a wire. This is also a live session. By this process any one can measure resistance of a wire.

Next Mr Pradip Kumar Roygupta conducted a session on design your own Electronic Circuit using commercial Software and realize you own PCB. He demonstrate about Multisim and PCB Wizard software and how to design your own PCB.

Finally Mrs. Payel Chakraborty conducted a session on career aspects in Electronics and Communication Engineering. She tells about various prospects and working field of Electronics and Communication Engineering.

Poster of the event:

REVISITING CLASS 12 LABORATORY SESSIONS AND THEIR SIGNIFICANCE WITH DEPT. OF ECE, ADAMAS UNIVERSITY

**Class 12 students (2021 Pass-outs)
from all over India are invited to be
a part of this free 2-day workshop
for understanding their +2 (Physics)
lab sessions and their advanced
applications in ECE.**

Topics of the Workshop:

- 1) Class 12 Physics Practicals:
 - i) Input-Output Characteristics of P-N Junction Diode
 - ii) Measurement of Resistance of a Wire.
2. Design your own Electronic Circuit using commercial Software and realize you own PCB.
3. Realization of circuits on different boards (Vero board, Bread Board, and PCB).

Workshop Registration Link:

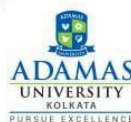
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Date of the Workshop:

25th and 26th August 2021

Time:

11:00 AM-2:00 PM



PATRON



Dr. Deependra Kumar Jha
Vice Chancellor
Adamas University

CO-PATRON



Dr. Ashwini Kumar Sharma
Dean, SOET
Adamas University

CONVENER



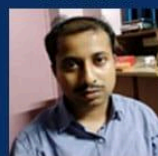
Mr. Jeet Banerjee
Assistant Prof.,
ECE, SOET,
Adamas University

COORDINATOR



Miss. Payel Chakraborty
Technical Assistant,
ECE, SOET,
Adamas University

COORDINATOR



Mr. Uttam Basak
Technical Assistant,
ECE, SOET,
Adamas University

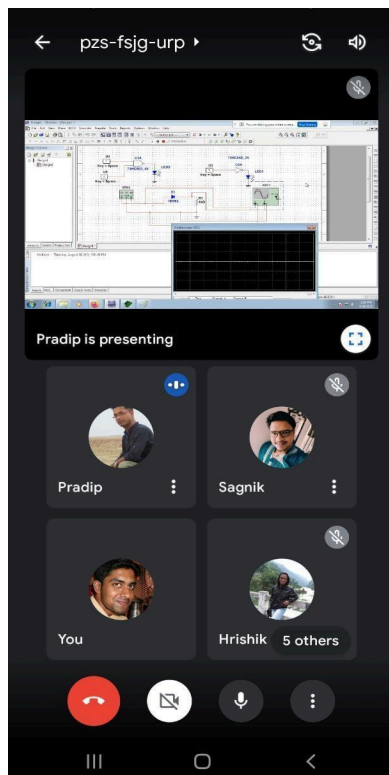
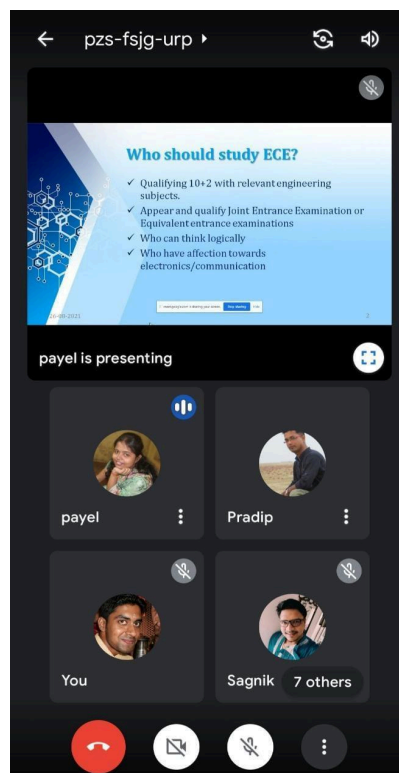
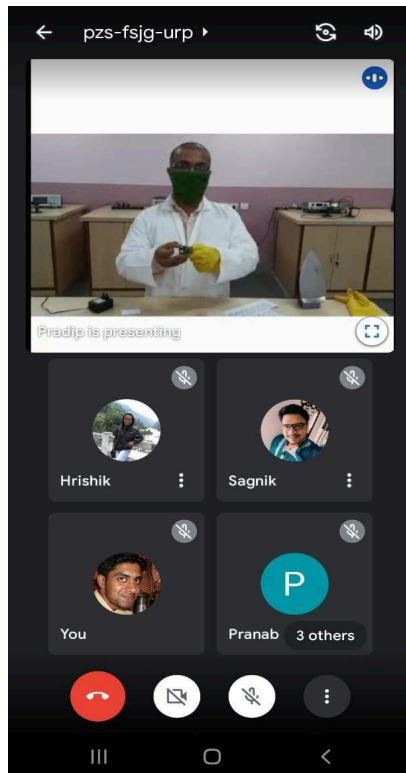
COORDINATOR

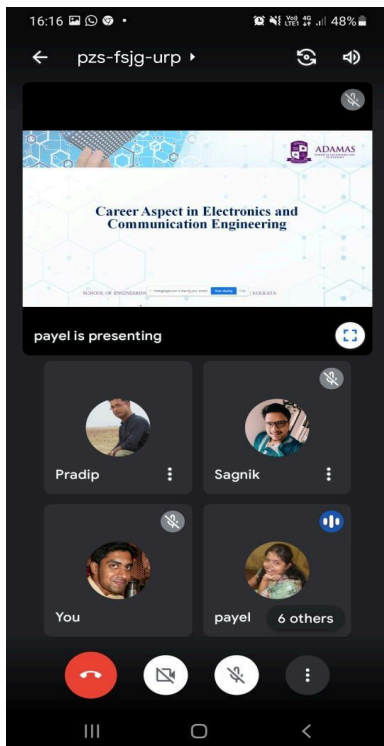
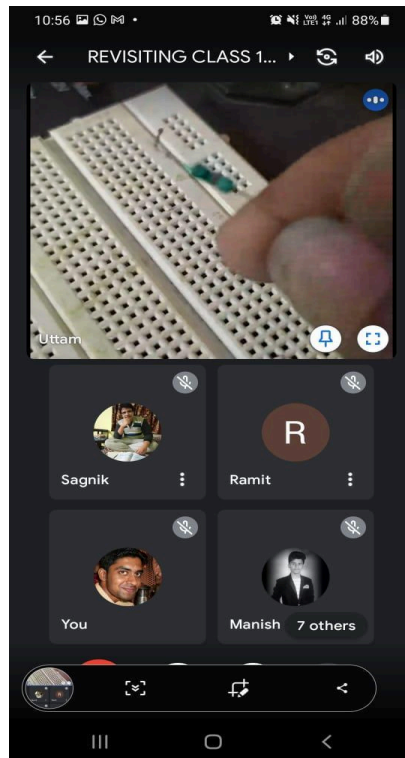
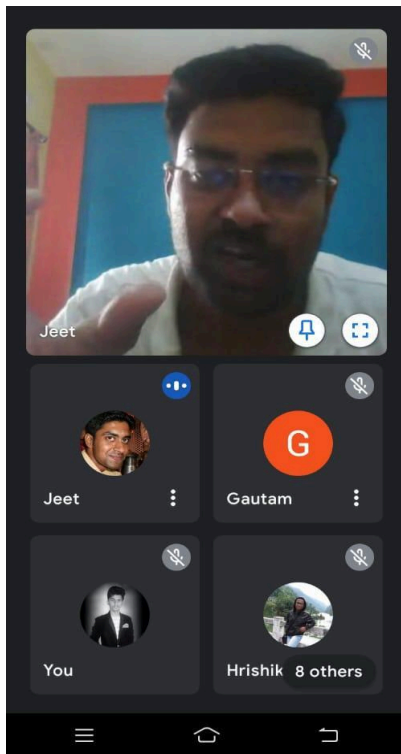


Mr. Pradip Kr. Roygupta
Technical Assistant,
ECE, SOET,
Adamas University

**E-Certificate will be provided
to all the participants with
90% attendance (on each day).**

Glimpse of the event:





General Participant Feedback:

1. How was the session?

10:48

VoWiFi 4G 90%

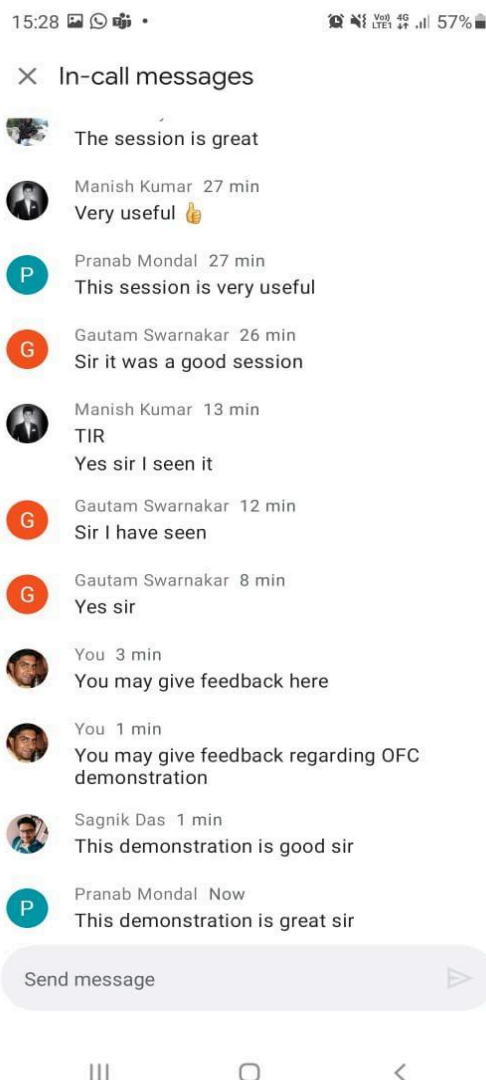
✕ In-call messages

Messages can only be seen during the call by people on the call

-  Amrita Bhadra 11 min
Because it has two different electrodes
Sir, sister's class is going on. Her Mike was on
-  Sagnik Das 3 min
i liked the session sir
-  Manish Kumar 3 min
Sir, I liked the session
-  Amrita Bhadra 3 min
The session was great, sir
-  Pranab Mondal 2 min
I liked the session sir
-  Gautam Swarnakar 2 min
Sir, I liked the session
-  Ramit Mondal 2 min
I liked the session sir
-  Hrishik Dey 2 min
It was very interesting session
-  Pranab Mondal 1 min
The session was great , sir

Send message





2. Any problem that you have faced during the Session.

- i. Maximum students mentioned there was **no problem**.
- ii. Few students faced some **Network issues**.

3. Do you have any suggestions for future events like this?

Comments of few students are mentioned below:

- i. Some video presentations were needed.
- ii. Please arrange such an industrial webinar. This is very helpful.
- iii. If possible, it can be divided into 2-3 separate webinars to get the knowledge a little bit more.

Appreciations:

1. Informative session, which gave new idea.
2. Reach on industry perspective knowledge

Convenor(s):

Patron:

Dr. Deependra K Jha, Vice Chancellor, Adamas University

Co Patron:

Dr. Ashwini K Sharma, DEAN- School of Engineering & Technology, Adamas University

Convener:

Mr. Jeet Banerjee, Asst. Prof., ECE Department

Coordinator:

Mr. Uttam Basak (Technical Assistant,ECE,SOET)

Mr. Pradip Kumar Roygupta (Technical Assistant,ECE,SOET)

Mrs. Payel Chakraborty (Technical Assistant,ECE,SOET)

**** e-certificates provided to the participants...*



Outcome of the event:

- 1) Enhancing the basic understanding of lab session of class 12th.
- 2) Proper identification of fundamental electronic components by participants.
- 3) Skilling school students to handle simulation software's.
- 4) Growing an interest in Electronics Engineering among school students.
- 5) Enhancing the admissions to Dept. of ECE via skilling schools students.
- 6) Presenting and utilizing the skilled manpower present in the department (in-house) to external participants in the form of this workshop.

Evidence of including school students to this event:

Invitation to Attend a **2-Day Free Workshop** on Revisiting Class 12 Laboratory Session with Dept. of ECE, Adamas University, Kolkata

2 ✓



Jeet Banerjee

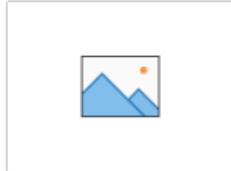
Wed 18-08-2021 12:27



To: Rajib Bishnu; Souvik Chatterjee; amit.kumarjana@adamasworldschool.org; dibyendu.sarkar@adamasworldschool.org; Ashim Das; Principal AIS; Principal AWS

Cc: AUECE

Bcc: Rajat Subhra Roy



Dear Students,

We are **happy** to inform you that the **Department of ECE, School of Engineering and Technology, Adamas University is going to organize a two-day (26th and 27th August 2021) FREE workshop** regarding "Revisiting class 12 Laboratories and their Significance with Dept. of ECE, Adamas university"

We want all of you to join this **workshop** and get benefited for your future studies as well as clear your concept regarding class 12 Physics laboratories.

The **workshop** is exclusively for Class 12 pass outs in 2021. Inform in case you know anyone who has just passed class 12th.