

## SWAMI VIVEKANAND INSTITUTE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, New Delhi and Affiliated to IKGPTU, Jalandhar

### EVENT REPORT

**Name of the Event:** Workshop on “Virtual labs” By IIT Delhi

**Organized by:** Internal Quality Assurance Cell (IQAC), SVIET

**Date of the Events:** 14th July 2025

**Mode of Event:** Offline

**Venue of Event:** Seminar Hall (Block-F)

**Speaker’s Name:** Mr. Shivam Yadav (Senior Executive Engineer, Virtual Labs IIT Delhi)

Mr. Jassi Prasad (Senior Executive Trainer, Virtual Labs IIT Delhi)

**Timings:**

Workshop practice: 10:30 AM To 11:30 AM

Hands-on Practice: 11:30 AM To 12:30 PM

**No. of Participants:** 38 Faculty Members

### Introduction of the Event:

Virtual labs are online platforms that provide remote access to simulated experiments, equipment, and learning environments. They allow students to conduct experiments, collect data, and analyze results in a virtual setting.

We're excited to introduce a unique opportunity to explore the world of Virtual Labs! This event will showcase the power of virtual experimentation, allowing participants to engage with cutting-edge.

### **Event Highlights:**

- 1. Expert insights:** Hear from experts in the field about the benefits and applications of virtual labs.
- 2. Hands-on experience:** Get hands-on experience with virtual lab simulations and experiments.

### Benefits of Virtual Labs

#### **A. For Students:**

1. Increased accessibility: Access to lab experiences from anywhere, at any time.
2. Improved engagement: Interactive simulations enhance learning and retention.
3. Reduced costs: No need for physical equipment or travel.

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### B. For Faculties:

1. Flexibility: Easily update or modify experiments and curricula.
2. Efficiency: Reduced time and effort in setting up physical labs.
3. Enhanced teaching: Ability to focus on teaching and mentoring.

### C. For Institutions:

1. Cost savings: Reduced infrastructure and maintenance costs.
2. Scalability: Virtual labs can accommodate large numbers of students.
3. Improved reputation: Enhanced learning experiences and innovative teaching methods.

### Flyer of the Event:



The flyer is a dark blue rectangular poster with a background image of a building at night. At the top, there is a white banner containing four logos: Swami Vivekanand Institute of Engineering & Technology, Virtual Labs (An MUE Govt. of India Initiative), Ministry of Education (Government of India), and NAAC Accredited. Below the banner, the text reads: 'DEPARTMENT OF IQAC organizing 1-DAY WORKSHOP on VIRTUAL LABS (An initiative by Ministry of Education Under the National Mission on Education through ICT) in association with INDIAN INSTITUTE OF TECHNOLOGY, DELHI'. The IIT Delhi logo is shown to the left of the text. At the bottom, a white box contains the venue and date: 'Venue:- Seminar Hall, F block' and 'Date:- 14<sup>th</sup> July 2025'. The website 'www.sviet.ac.in' is at the bottom right, and a small logo is at the bottom left.

Swami Vivekanand Institute  
of Engineering & Technology

Virtual Labs  
An MUE Govt. of India Initiative

भारत सरकार  
MINISTRY OF  
EDUCATION  
GOVERNMENT OF INDIA

NAAC  
ACCREDITED

DEPARTMENT OF IQAC  
*organizing*  
**1-DAY WORKSHOP**  
*on*  
**VIRTUAL LABS**  
(An initiative by Ministry of Education  
Under the National Mission on Education through ICT)  
*in association with*  
 **INDIAN INSTITUTE OF  
TECHNOLOGY, DELHI**

Venue:- Seminar Hall, F block  
Date:- 14<sup>th</sup> July 2025

 [www.sviet.ac.in](http://www.sviet.ac.in)

Event Flyer for the Workshop on “Virtual labs”

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### Notice for Virtual Lab Event

**Swami Vivekanand Group of Institutes,**  
Chandigarh Patiala National Highway, Ram Nagar, Banur  
Ref. No.: SVG01/Admin/2025/129 Dated: 11.07.2025

**CIRCULAR**

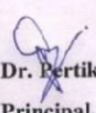
Subject: Mandatory Participation in Workshop on Virtual labs by IIT Delhi


This is to inform all Heads of the Engineering and Applied Science Departments that a Workshop is being organized by IIT Delhi under the aegis of IQAC on 14th July, 2025.

- Venue: Seminar Hall, 'F' Block
- Time: 10:30 AM to 11:30 AM (Workshop Session)
- Hands-on Practice: 11:30 AM to 12:30 PM in Lab B-111, 'B' Block

It is **mandatory** for all faculty members of the aforementioned departments to attend the workshop without fail. All HODs are hereby instructed to ensure full participation of their respective faculty members and to **maintain attendance records accordingly**.

Your cooperation in making this event successful is highly appreciated.

  
**Dr. Pertik Garg**  
Principal,  
SVIET



PA to: Hon'ble Chairman/ President for kind information  
Director Secretarial & Administration  
Project Director  
Director Academics  
All HODs  
Concerned Officials  
Notice Board/ ERP Login

*Official Notice for Workshop on "Virtual Labs"*

### Objectives of the Event:

1. To introduce faculty members to the concept and functionality of Virtual Labs as innovative platforms for conducting experiments in a simulated online environment.
2. To enhance teaching methods by showcasing how virtual labs can transform traditional instruction through interactive, hands-on learning experiences.

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3. **To increase efficiency in laboratory instruction** by demonstrating how virtual labs streamline lab setups, save resources, and allow faculty to focus more on student mentoring and learning outcomes.
4. **To provide hands-on training on virtual lab simulations**, allowing faculty to conduct, observe, and analyze experiments in a remote, user-friendly environment.
5. **To support professional growth** by offering insights into the integration of cutting-edge educational technologies into existing curricula, helping educators stay ahead in teaching innovation.

### Highlights of the Event:

1. **Live Demonstrations:** Witness live demonstrations of virtual lab experiments and simulations.
2. **Virtual Lab Tours:** Take a virtual tour of labs and facilities, exploring equipment and research areas.
3. **Student Project Showcase:** View innovative projects and research work by students utilizing virtual labs.
4. **Panel Discussion:** Engage in a panel discussion on the future of virtual labs and their applications.
5. **Hands-on Training Sessions:** Participate in hands-on training sessions for virtual lab tools and platforms.
6. **Collaboration Opportunities:** Explore potential collaboration opportunities with industry partners and researchers.

### Key Outcomes:

- **Deeper Understanding:** Participants will gain a deeper understanding of virtual labs and their applications.
- **Practical Experience:** Attendees will have hands-on experience with virtual lab simulations and tools.
- **Professional Networking:** Participants will have opportunities to network with peers, educators, and industry professionals.
- **Innovative Insights:** The event will provide new ideas and perspectives on the use of virtual labs in education and research.



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- **Collaborative Opportunities:** The event may lead to potential collaborations between academia and industry.

### Glimpses from the Events

#### *A. Glimpses from Workshop practice*



*Mr. Shivam Yadav (Senior Executive Engineer -Virtual Labs, Indian Institute of Technology Delhi (IITD)) delivering lecture on Virtual Lab*



*Faculty members actively participated in virtual lab initiatives, leveraging technology*

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### *B. Glimpses from hands-on Practice session*



*Faculties are gaining hands-on practice experience with virtual labs*



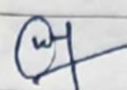
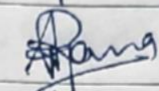
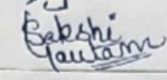
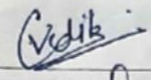
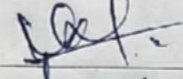
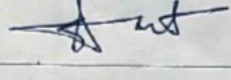
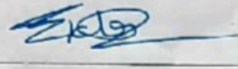
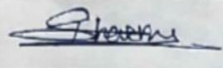
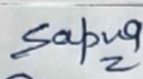

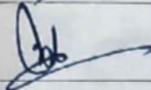
*Faculties received certificate of completion who had participated in hands-on practice sessions*

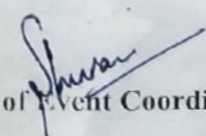


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### Event Attendance

SWAMI VIVEKANAND INSTITUTE OF ENGINEERING & TECHNOLOGY			
EVENT NAME: VIRTUAL LAB			
EVENT DATE: 14/7/25			
ATTENDANCE SHEET			
S. NO.	NAME	DESIGNATION	SIGNATURE
①	Kaushik Bharti (C.E)	A.P.	
②	Ajay Rana	A.P, Mechanical	
③	Sakshi Gautam	A.P, Civil	
4.	Vedik Saurha	A.P, Civil	
⑤	Navneet Kumar	A.P, EE	
⑥	Inderjeet	AP. EE	
⑦	Dr. Ekta Sharma	A.P. (App. Science)	
⑧	Takeshma	Lecturer (A.S)	
9.	Sapna	A.P (App. Sciences)	
⑩	Hoshish Sharma	A.P (App. Sci.)	
11.	Mukul	A.P (App. Sci)	

  
 Signature of Event Coordinator

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EVENT NAME: VIRTUAL LAB

EVENT DATE: 14/7/25

#### ATTENDANCE SHEET

S. NO.	NAME	DESIGNATION	SIGNATURE
12.	Khushpreet Kaur	Assistant Professor	Khushpreet
13.	Narneet Kaur	Lab instructor	NKaur
14.	Arpil	Lab Instructor	Arpil
15.	Souwar Singh	Assistant Professor	Souwar Singh
16.	Anjali Bansal	Assistant Professor	Anjali Bansal
17.	Sheela Sharma	Assistant Professor	Sheela
18.	Komalpreet Kaur	Assistant Professor	Komal
19.	Jaspal Kaur	Assistant Professor	Jaspal
20.	Suslime Rani	Assistant Professor	Suslime
21.	Rupinder Kaur	Assistant Professor	Rupinder
22.	Kulbir Kaur	Assistant Professor	Kulbir

Signature of Event Coordinator



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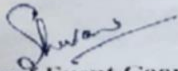
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EVENT NAME: VIRTUAL LAB			
EVENT DATE: 14/7/25			
ATTENDANCE SHEET			
S. NO.	NAME	DESIGNATION	SIGNATURE
23	Asmita Singh	Assistant Prof	Asmita
24	Anil	Assistant Prof	Anil
25	Aarav Sharma	Assistant Prof	Aarav
26	Harman	Assistant Prof	Harman
27	Heena	Assistant Prof	Heena
28	Chetan Jain	Assistant Professor	Chetan
29	Deepika Aggarwal	Assistant professor	Deepika
30	Mandeep Rana	Assistant Professor	Mandeep
31	Amarpreet Rana	Assistant Professor	Amar
32	AKASH DIXIT	ASSISTANT PROFESSOR	Akash
33	JYOTI KAKIA	ASSISTANT PROFESSOR	Jyoti

Signature of Event Coordinator

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EVENT NAME: VIRTUAL LAB			
EVENT DATE: 14/7/25			
ATTENDANCE SHEET			
S. NO.	NAME	DESIGNATION	SIGNATURE
34	Komal dhiman	Assistant Prof	Komal
35	SAMIR SINGH	AP	<del>Samir Singh</del>
36	Paramveer Singh	A.P.	Paramveer Singh
37	Suvidha	Assistant Professor	Suvidha
38	Pooja Verma	Assistant Professor	Pooja Verma

  
 Signature of Event Coordinator

## Social Media Links

[https://www.instagram.com/p/DMHeWUcyvHV/?img\\_index=8&igsh=N2V0M2J1anJwanZq](https://www.instagram.com/p/DMHeWUcyvHV/?img_index=8&igsh=N2V0M2J1anJwanZq)

<https://www.facebook.com/share/p/15KzrdiTPj/>

Shilani

**Er. Shivani Guleria**

**HOD-CIVIL**

**(Event Coordinator)**