

सुविधा

लैब के बारे में विद्यार्थियों को कराया अभ्यास

# कॉलेज वर्चुअल लैब के नोडल सेंटर का उद्घाटन

पत्रिका न्यूज नेटवर्क

राष्ट्रीय स्वतंत्रता संग्राम दिवस के अवसर पर राष्ट्रीय महानिदेशालय, प्रोबेशन और रजिस्ट्रार, राजकीय महानिदेशालय का बसा है, जिसे भारतीय प्रौद्योगिकी सम्मान के सुवर्णपत्र में वर्चुअल लैब के नोडल सेंटर के रूप में मान्यता दी गई है।

उद्घाटन महानिदेशालय के आचार्य डॉ. अजय शर्मा द्वारा किया गया। साथ ही महानिदेशालय का एक ही कार्यक्रम के दौरान में वर्चुअल लैब के बारे में विद्यार्थियों को अवगत कराया। आईआईटी दिल्ली के वर्चुअल लैब प्रोजेक्ट टीम के प्रमुख डॉ. तपस शिवम मुन्दरम ने



राज्य सार्वजनिक महानिदेशालय में वर्चुअल लैब का शुभारम्भ करते हुए।

विद्यार्थियों तथा शिक्षकों को वर्चुअल लैब के नैदानिक तथा प्रायोगिक आयामों में परिचित करवाया।

वर्चुअल लैब के माध्यम से छात्र-छात्राओं विज्ञान के विषयों में प्रयोगशालाओं के लिए इंटरनेट आधारित रिमोट-एक्सेस की सुविधा

नि:शुल्क व 24 घंटे 7 दिनों पर उपलब्ध रहेगा। दूरस्थ प्रयोग के माध्यम से बुनियादी और उन्नत प्रयोगशालाओं को सीखने में मदद मिलेगी। इस प्रोजेक्ट का मुख्य उद्देश्य छात्रों में जिज्ञासाओं को जगाकर प्रयोग करने के लिए

समर्थित करने वाली प्रयोगशाला और सहायक संसाधन प्रदान करने के लिए प्रयोगशाला प्रदान करने में विशेष अंतरिम पैकेज संसाधन वित्तिय-व्याख्या, एन-मॉडल-उद्घाटन और अंतिम मूल्यांकन सहित संसाधन के लिए विभिन्न टिप्पणियों का लाभ उठा सकते हैं। वर्चुअल लैब नोडल सेंटर की गतिविधियों के संचालन के लिए डॉ. निखिल शर्मा, सहायक आचार्य प्रयोगशाला की नोडल कोऑर्डिनेटर नियुक्त किया गया है।

महानिदेशालय के प्राचार्य डॉ. सज्जद अली ने बताया कि महानिदेशालय में वर्चुअल लैब संचालित हो जाने के बाद बेसी उपकरणों सहित प्रयोगशालाओं में

में संचालित अन्य वर्चुअल लैब प्रयोगशालाओं की सुविधाओं को अपने विद्यार्थियों को प्रयोगशालाओं में होने वाले प्रयोगों में कभी अक्षय। प्रयोगशाला का संचालन हो तब तक इस प्रयोगशाला कार्यक्रम का संचालन ही संचालन नहीं होगा, जिसे संचालन में ही संचालन प्रयोगशालाओं द्वारा संचालित प्रयोगशालाओं का संचालन किया गया। अनेक अन्य संचालन प्रयोगशालाओं को संचालित हो जाने के साथ ही संचालन प्रयोगशालाओं को संचालित हो जाने के बाद बेसी महानिदेशालय के अन्य महानिदेशालयों में संचालित रहे।

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# सांभर कॉलेज को वर्चुअल लैब के लिये नोडल सेंटर की मान्यता

सांभर कॉलेज, (वि.सं.) सांभर कीय सांभर सांभर, नारायणपुरा मण्डलपालिका परेश का ऐसा पहला केंद्र बन गया है जिसे आई आई टी के समन्वयन में वर्चुअल लैब के लिये नोडल सेंटर के रूप में मान्यता प्रदान की गयी है। इसके माध्यम से एम्पायर आई सी टी के सहित केन्द्र सरकार के मातृव संसाधन विकास मंत्रालय की ओर से इसके लिये महत्वपूर्ण पहल की गयी है। यह विज्ञान एवं इंजीनियरिंग के क्षेत्र में एक नया आयाम स्थापित करेगा।

मानव संसाधन विकास मंत्रालय की अनूठी पहल

इस प्रोजेक्ट में विशेष आई आई टी विज्ञान विद्यालय एवं राष्ट्रीय स्तर के अन्य तकनीकी संस्थान शामिल हो सकेंगे। मण्डलपालिका प्रशासन की ओर से इस सम्बन्ध में उत्तम कार्य देखे हुये बजाया कि इन सभी संस्थानों में इंजीनियरिंग एवं सांभर के विशेष विषयों में होने वाले प्रयोगों को एम्पायर एवं कम्प्यूटेशनल टेक्नोलॉजी को मदद से वेब इन्टरनेट प्रयोगों के रूप में विकसित कर वर्चुअल लैब पोर्टल पर भी उपलब्ध कराया जा सकेगा। साथ ही वर्चुअल लैब के माध्यम से विद्यार्थियों को विज्ञान के विशेष विषयों में प्रयोगशालाओं के लिये इन्टरनेट आधारित रिपोर्ट एक्ससेस

की सुविधा पूरे मध्यम और उच्च स्तर के छात्रों को उपलब्ध रहेगी। दूरस्थ प्रयोगों के माध्यम से कृत्रिम अर्थ और अन्य अनुभवों को सीखने में भी काफी मदद मिल सकेगी। इस प्रोजेक्ट का मुख्य उद्देश्य छात्रों को विज्ञानियों की जगह पर प्रयोग करने के लिये उत्साहित करना, महंगे उपकरण और संसाधन प्राप्त करना एवं पूर्ण शिक्षण प्रबन्धन प्रणाली प्रदान करना भी है, जिससे अतिरिक्त वेब संसाधन को देखने के अतिरिक्त वेब एप्लिकेशन और अन्य मूल्यवान साहित्य को देखने के लिये विशेष विशेष उपकरणों का लाभ भी विद्यार्थी उठा सकेंगे। इस सबसे बड़ा फायदा यह भी होगा कि वर्चुअल लैब संचालित होने के बाद महंगे उपकरणों, रसायनों व प्रायोगिक कार्य से सम्बन्धित अन्य वस्तुओं को क्रय करने की भी आवश्यकता नहीं रहेगी साथ ही मण्डलपालिका में प्रायोगिक कर्मियों में होने वाला आर्थिक बोझ भी कम आयेगा।



# GOVT. SHAKAMBHAR P.G. COLLEGE, SAMBHAR LAKE (JAIPUR) ( NAAC ACCREDITED WITH “B+” GRADE)

## Virtual Labs Nodal Centre

( Since 2020)

Is organizing a Hands- On Workshop entitled

### “Virtual Labs: Innovation In Experimentation”



An MoE Govt of India Initiative

## NMEICT

National Mission on Education Through

[www.vlab.co.in](http://www.vlab.co.in)

### Important Remarks

- Join the workshop with Laptop
- No registration fee will be charged

### Agenda of the workshop

- Salient features of Virtual Labs Project
- Demonstration of Virtual Labs
- Hands- on session
- Question- Answer session

In Collaboration With

**Virtual Labs Team,  
Indian Institute of Technology (IIT), Delhi**

**Date :** 23rd January, 2023 (Monday)

**Time:** 11.00 Am onwards

**Venue:** New RUSA Auditorium,

Govt. Shakambhar P.G. College,

Sambhar Lake (Jaipur)



**Virtual Labs are truly any-place, any-pace,  
any-time, any type' Labs!**

**Resource Persons  
Indian Institute of Technology (IIT), Delhi**

**(Mr. Prateek Sharma)**

**Key- Note Speaker**

Sr. Field Engineer

**(Mr. Chirag Dey)**

**Guest Speaker**

Field Engineer

**(Mr. Vikas Pandey)**

**Guest Speaker**

Field Engineer

**Organizing Committee  
Govt. Shakambhar P.G. College, Sambhar Lake**

**(Dr. Gyan Prakash Dayma)**

**Principal & Patron**

**(Dr. Jaya Rai)**

**Coordinator**

**(Dr. Deepak k. Sharma)**

**Convener**

**(Dr. R.S. Sahu)**

**Co- Coordinator**

**(Dr. M.A. Qureshi)**

**Co- Convener**

**(Dr. Priyanka Sharma)**

**Nodal Coordinator,  
(Virtual Labs Nodal Center)  
Organizing Secretary**

**Other Members of Organizing committee**

- **Dr. J. P. Pareek**
- **Dr. Mahesh K. Paliwal**
- **Dr. Sunita Perawa**
- **Dr. Sunita Chaudhary**
- **Mr. Ruben Saran Mathur**

**Member as Special Invitees**

- **Dr. Seema Kulshreshtha**

**Govt. Shakambhar P.G. College, Sambhar Lake,  
Phulera Road, Sambhar Lake, Jaipur (Rajasthan)  
gcslake@gmail.com**

## Objectives of Virtual Labs Project

1. To provide remote-access to Labs in various disciplines of Science and Engineering. These Virtual Labs would cater to students at the undergraduate level, post graduate level as well as to research scholars.
2. To enthruse students to conduct experiments by arousing their curiosity. This would help them in learning basic and advanced concepts through remote experimentation.
3. To provide a complete Learning Management System around the Virtual Labs where the students can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self evaluation.
4. To share costly equipment and resources, which are otherwise available to limited number of users due to constraints on time and geographical distances.



## Agenda of E- Workshop

- Salient Features of Virtual Labs Project
- Demonstration of Virtual Labs
- Hands- on Session
- Q & A Session

**VIRTUALLY**  
anything is possible

## Important Remarks

- Join the workshop with a Laptop/ desktop
- No registration Fee will be charged.
- Pre- registration is mandatory

## Registration

- Last date for registration is 20- 12- 2020.
- A certificate of participation (in Electronic Form) would be issued through registered E-mail IDs to participants who attend the entire session and submit online workshop feedback form.

## Contact for any query

### Dr. Priyanka Sharma

Organizing Secretary  
vlabs.priyanka@gmail.com



**Dr. Priyanka Sharma**  
Nodal Coordinator  
Virtual Labs Nodal Centre

## Organizing Committee

Patron & Principal :	Dr. Rajendra Joshi
Convener:	Dr. G.P.Dayma
Co- Convener:	Dr. Seema Kulshreshtha
Coordinator:	Dr M.A. Qureshi
Co- Coordinator:	Dr. Jaya Rai
Organizing Secretary:	Dr. Priyanka Sharma

## Other Members of organizing committee

Dr. J.P. Pareek	Dr. Raghavendra Swami
Dr. R.S. Sahu	Mrs. Sunita Kumari

## Member as Special Invitees

Dr. Kiran Shukla	Dr. R.K. Sharma
------------------	-----------------

सदस्यत्व अर्हते  
Government of Rajasthan

Department of College Education, Jaipur

**Govt. Shakambhar P.G. College,  
Sambhar Lake, Jaipur (Rajasthan)**

Organizing online

**Inauguration of  
Virtual Labs Nodal Centre  
&  
Hands- on E- Workshop entitled  
'Virtual Labs: Next Generation of Experimentation'**  
(For Faculty & Students of Applied Sciences)

On  
**21st December, 2020 (Monday)**  
**(11.00 AM to 2.10 PM)**

In collaboration with

Virtual Labs  
An NMEICT Govt of India Initiative  
www.vlabs.com

**IIT Delhi**  
Indian Institute of Technology Delhi  
Virtual Labs Team, IIT Delhi

An initiative of  
**Ministry of Education (MoE),  
Government of India**  
Under the aegis

**NMEICT**  
National Mission on Education Through ICT



Government of Rajasthan  
Department of College Education, Jaipur

Govt. Shakambhar P.G. College, Sambhar Lake, (Jaipur)

Virtual Labs Nodal Centre



An initiative of  
Ministry of Education (MoE),  
Government of India  
Under the National Mission on  
Education through ICT



*Certificate of Participation*

This is to Certify that

Mr. Shivam Sundaram (Field Engineer) from Virtual Labs, Indian Institute of Technology (IIT), Delhi has Participated as Recourse Person In Hands- On E-Workshop entitled 'Virtual Labs: Next Generation of Experimentation' organized by Virtual Labs Nodal Centre, Govt. Shakambhar P.G. College, Sambhar Lake (Jaipur) in coordination with Indian Institute of Technology (IIT), Delhi on 21<sup>st</sup> December, 2020.

Dr. Rajendra Joshi  
(Principal & Patron)

Dr. G. P. Dayma  
(Convener)

Dr. Priyanka Sharma  
(Nodal Coordinator & Organizing Secretary)





S.No.

# CERTIFICATE OF PARTICIPATION

THIS IS CERTIFIED THAT  
**JANUARY 23, 2023 (MONDAY)**



**DR./MR./ MRS.** .....**DEPARTMENT**.....**HAS**  
ACTIVELY CONTRIBUTED AS ..... IN HANDS- ON WORKSHOP ENTITLED  
"**VIRTUAL LABS: INNOVATION IN EXPERIMENTATION**" ORGANIZED BY VIRTUAL LABS NODAL CENTRE, GOVT. SHAKAMBHAR P.G.  
COLLEGE, SAMBHAR LAKE (JAIPUR) IN COLLABORATION WITH VIRTUAL LABS TEAM, INDIAN INSTITUTE OF TECHNOLOGY (IIT),  
DELHI HELD ON **23. 01. 2023**. HIS/ HER PARTICIPATION FOR THE WORKSHOP IS HIGHLY APPRECIATED.

**(DR. GYAN PRAKASH DAYMA)**

Principal

Govt. Shakambhar P.G. College,  
Sambhar Lake, Jaipur (Rajasthan)

**(MR. PRATEEK SHARMA)**

Sr. Field Engineer, Virtual Labs Team  
Indian Institute of Technology (IIT),  
Delhi

**(DR. PRIYANKA SHARMA)**

Nodal Coordinator, Virtual Labs Nodal Center

Govt. Shakambhar P.G. College,  
Sambhar Lake, Jaipur (Rajasthan)



S.No.

# CERTIFICATE OF PARTICIPATION

THIS IS CERTIFIED THAT  
**JANUARY 23, 2023 (MONDAY)**



**MR./ MISS.** ..... **CLASS** ..... **HAS**  
ACTIVELY PARTICIPATED IN HANDS- ON WORKSHOP ENTITLED "**VIRTUAL LABS: INNOVATION IN EXPERIMENTATION**"  
ORGANIZED BY VIRTUAL LABS NODAL CENTRE, GOVT. SHAKAMBHAR P.G. COLLEGE, SAMBHAR LAKE (JAIPUR) IN  
COLLABORATION WITH VIRTUAL LABS TEAM, INDIAN INSTITUTE OF TECHNOLOGY (IIT), DELHI HELD ON **23. 01. 2023**.  
HIS/ HER PARTICIPATION FOR THE WORKSHOP IS HIGHLY APPRECIATED.

**(DR. GYAN PRAKASH DAYMA)**

Principal

Govt. Shakambhar P.G. College,  
Sambhar Lake, Jaipur (Rajasthan)

**(MR. PRATEEK SHARMA)**

Sr. Field Engineer, Virtual Labs Team  
Indian Institute of Technology (IIT),  
Delhi

**(DR. PRIYANKA SHARMA)**

Nodal Coordinator, Virtual Labs Nodal Center

Govt. Shakambhar P.G. College,  
Sambhar Lake, Jaipur (Rajasthan)





# CERTIFICATE

OF APPRECIATION

PROUDLY PRESENTED TO

*Dr. Priyanka Sharma*

Nodal Coordinator, Virtual Labs Nodal Center  
Govt. Shakambhar P.G. College, Sambhar Lake (Jaipur)

In recognition of active participation as the organizing secretary in Hands- on Workshop entitled "**Virtual Labs: Innovation in Experimentation**" organized by *Virtual Labs Nodal Centre, Govt. Shakambhar P.G. College, Sambhar Lake (Jaipur)* in collaboration with *virtual labs team, Indian Institute of Technology (IIT), Delhi* held on **23. 01. 2023**. Exceptional contribution in successfully organizing the workshop by providing valuable time and support is highly appreciated.

Solicit your continued support for further *Virtual Labs* events.

**(DR. GYAN PRAKASH DAYMA)**

PRINCIPAL

GOVT. SHAKAMBHAR P.G. COLLEGE,  
SAMBHAR LAKE, JAIPUR (RAJASTHAN)

**(MR. PRATTEK SHARMA)**

SR. FIELD ENGINEER

VIRTUAL LABS TEAM  
INDIAN INSTITUTE OF TECHNOLOGY (IIT), DELHI



# CERTIFICATE

OF APPRECIATION

PROUDLY PRESENTED TO

*Mr. Panteek Sharma*

Sr. Field Engineer, Indian Institute of Technology (IIT), Delhi

In recognition of active participation as the invited resource person in Hands- on Workshop entitled "**Virtual Labs: Innovation in Experimentation**" organized by *Virtual Labs Nodal Centre, Govt. Shakambhar P.G. College, Sambhar Lake (Jaipur)* in collaboration with *virtual labs team, Indian Institute of Technology (IIT), Delhi* held on **23. 01. 2023**. Exceptional contribution in successfully organizing the workshop by providing valuable time and support is highly appreciated.

Solicit your continued support for further *Virtual Labs* events.

**(DR. GYAN PRAKASH DAYMA)**

PRINCIPAL

GOVT. SHAKAMBHAR P.G. COLLEGE,  
SAMBHAR LAKE, JAIPUR (RAJASTHAN)





# Govt. Shakambhar P.G. College, Sambhar Lake, (Jaipur)



An MHRD Govt of India Initiative

## Virtual Labs Nodal Centre



IIT Delhi

Indian Institute of Technology Delhi

An initiative of  
Ministry of Education (MoE), Government of India  
Under the National Mission on Education through ICT

## *Certificate of Participation*

This is to certify that

Mr. /Mrs. .... (Student) ..... (Class)

has participated in an Orientation Programme entitled 'Virtual Labs' organized by

Virtual Labs Nodal Centre, Govt. Shakambhar P.G. College, Sambhar Lake (Jaipur) on 22<sup>nd</sup> February, 2021.

  
Dr. Rajendra Joshi  
(Principal)

  
Dr. Priyanka Sharma  
(Nodal Coordinator)





**Chief Guest**

**Shri Bhanwar Singh Bhati**

Hon'ble Minister for Higher Education (Independent Charge), Revenue, Colonization, Command Area & Water Utilization Department, Government of Rajasthan



**Guest of Honour**

**Smt. Suchi Sharma (IAS)**

Secretary, Higher & Technical Education, Govt. of Rajasthan



**Special Guest (IAS)**

**Shri Sandesh Nayak**

Commissioner  
Depart. of college Education  
Jaipur, Rajasthan



**Dr. P.J. John**

Assoc. Professor, HOD  
Dept. of Zoology  
Director, PG School of Life Sciences,  
UOR, Jaipur



**Key Note Speaker**

**Mr. Prateek Sharma**

Sr. Field Engineer Virtual Labs Team  
IIT- Delhi



**Guest Speaker**

**Mr. Shivam Sundaram**

Field Engineer, Virtual Labs Team  
IIT- Delhi



**Dr. Rajendra Joshi**

Patron & Principal  
Govt. PG College, Sambhar Lake

**Sambhar Lake (Jaipur)**

Sambhar is popularly known as Salt Lake City, located at the distance of around 68 kms to the west of Jaipur. Civilization here goes back a long way, and houses the Sambhar Lake National Park, 'Shakambari Devi' temple and is also home to the largest saline lake in India. Sambhar has been designated as a Ramsar site (recognized wetland of international importance) because the wetland is a key wintering area for tens of thousands of pink flamingos, storks, sandpipers and redshanks, and other birds that migrate from northern Asia and Siberia. Sambhar Salt Lake is India's largest saline inland salt lake and even finds mention in the mythological epic, 'Mahabharata'. It is the source of most of Rajasthan's salt production. It produces 196,000 tonnes of clean salt every year, which is around 9% of India's salt production and Presently the salt production is managed by Sambhar Salts Ltd.-a joint venture of Hindustan Salts Ltd. and the State Government of Rajasthan. It is a first iodination plant of the country with UNICEF support.



**Govt Shakambhar PG College, Sambhar Lake (Jaipur)**

Govt Shakambhar PG College was established in 1969-1970, has evolved into one of the leading Govt. college the state of Rajasthan achieved many milestones. College is well reputed for its purist of excellence by imparting education with high academic standards, enabling holistic development and inculcating leadership and social values. The college has earned a prestigious reputation of harnessing a progressive outlook towards education by introducing new courses at UG and PG level, from time-to-time, skill enhancement and career oriented courses, ICT enabled teaching facilities, outreach activities and discipline. Along with good academic results, students have continuously excelled in sports and games, cultural activities, NCC, NSS, scouting, and youth development activities. It has been accredited with B+ grade by the NAAC in 2016.



**Virtual Labs**

The Virtual Labs project is a paradigm shift in the area of internet-based remote experimentation. A virtual laboratory is a tool for distance learning and/or experimentation that allows people to share knowledge, data, voice, video, tools, and many other resources. It provides a suitable environment to extend, improve, integrate, refine, and assist the learning and/or experimentation process of many subjects at UG & PG level as well as research scholar in various domain of Science and Engineering, thus contributing to an increase of the effectiveness of scientific research and widening the use of scarce or costly equipment.

**Virtual Labs are truly 'any-place, any-pace, any-time, any-type' Labs!**



कार्यालय प्राचार्य, राजकीय शाकम्भर स्नातकोत्तर  
महाविद्यालय



(साँभर लेक, जिला जयपुर - राजस्थान)

पता : फुलेरा रोड़, साँभर लेक - 303604 (जिला - जयपुर),  
राजस्थान



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ई - मेल : [gcslake@gmail.com](mailto:gcslake@gmail.com)

टेलीफोन न. : 01425-228407

यू.जी.सी. कॉलेज कोड : 304010

क्रमांक :- रामसा/स्थापना/2020/ 3851

दिनांक :- 29.03. 2023

**Institution's Innovation Council (IIC) (2022- 23)  
Calendar Activity (Quarter- 2)**

**Workshop on Design Thinking, Critical thinking and Innovation Design  
virtual labs: Innovation in Experimental learning**

A Hands- on workshop entitled 'Virtual labs: Innovation in Experimentation' organized by Virtual Labs Nodal Center, Govt. Shakambhar P.G. College, Sambhar Lake in collaboration with virtual Labs Team, Indian Institute of Technology (IIT), Delhi on 23<sup>rd</sup>, January, 2023. Virtual Labs is an initiative by the Ministry of Education (MoE), formerly the Ministry of Human Resource Development (MHRD) Government of India, under the aegis of National Mission on Education through Information and Communication Technology (NMEICT). Indian Institute of Technology, Delhi has a wireless research lab under Bhartiya School of Telecom looking the coordination for Virtual Labs initiative.

Hands- on workshop was conducted as a nodal center activity in association with Institution's Innovation Council (IIC) & Science club of the institute with main objectives:

- To enthuse students to conduct experiments by arousing their curiosity.
- To equip with the necessary skills and knowledge
- To help them in learning basic and advanced concepts through remote experimentation.
- To provide remote-access to labs in various disciplines of Science.
- To provide a complete Learning Management System around the Virtual Labs where the students can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self- evaluation.
- To share costly equipment and resources, which are otherwise available to limited number of users due to constraints on time and geographical distances.



# कार्यालय प्राचार्य, राजकीय शाकम्भर स्नातकोत्तर महाविद्यालय



(साँभर लेक, जिला जयपुर - राजस्थान)

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The Chief Guest, Mr. Prateek Sharma, (Sr. Field Engineer/ Mentor) along with the guest speaker Mr. Chirag Dey (Field Engineer) & Mr. Vikas Pandey (Field Engineer) from Virtual Labs IIT- Delhi inaugurated the hands- on workshop with the lighting of lamp, that followed by Saraswati-Vandana. The inauguration ceremony was chaired by Dr. G.P. Dayma, (Principal, Associate Professor, Head, Dept. of Botany), Dr. M.A. Qureshi (Associate Professor, Dept. of Botany Vice President, IIC) and Dr. Deepak Kumar Sharma (Associate Professor, Head, Dept. of Zoology, Convener, IIC).

In inaugural address, Dr. G.P. Dayma expressed warm welcome to all the distinguished guests' virtual labs team, IIT- Delhi along with enthusiastic student participants and faculty members from the institute. He introduced about the objectives of the workshop and briefed the progressive journey of the institute as nodal center for virtual labs. He wished a grand success for the event to emerge as one of the pivotal points for the institute. The program was successfully and impactfully anchored by Mr. Ruben Saran Mathur (Media Coordinator, IIC).

At the outset, he formally welcomed and introduced all the distinguished chief guests, faculty members and enthusiastic participants. The chief guest in his key note address presented a detailed introduction of virtual labs concept, its history, participating national multidisciplinary institutes, its main objectives and outcomes. Further he extended his views about the complete learning management system of virtual labs, their types, why this project is known as a step toward 'student- centric' pedagogy, where the students can learn at their own pace by arousing their curiosity. Technical session was jointly handled by Mr. Chirag Dey & Mr. Vikas Pandey wherein they provided expertise and knowledge in the basic science by demonstration various experiments from Physics, Chemistry and Biology along with simulation. Experiments were taken from Mechanical virtual labs, Physical Chemistry (Amrita) lab, Inorganic Chemistry virtual labs, Immunology virtual labs & Cell Biology virtual labs.

Total 97 pre- registered students participated with their laptops in the workshop and equipped with basic skills to operate different labs, perform different experiments. The students were also explained how to register themselves for virtual labs, create experiments independently and upload them to virtual labs.



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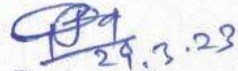
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In addition to this, hands on workshop was also helpful in developing problem solving skills, creative thinking and analyzing abilities. That enhanced their out of box thinking ability as well. The session received a lot of appreciation from participants. Students asked a lot of question to the speakers and got all their doubts cleared. The interactions were very relevant and meaningful. The session ended with Dr. Seema Kulshreshtha (Member, IIC) by thanking all the guests for sharing their experiences, knowledge and time for the event expressed the need and importance of such workshop. She also thanked all the members of IIC and students for their active participation in making this event a grand success. Finally, the expert talk was very fruitful and relevant for workshop. The event was successfully conducted by nodal coordinator for Virtual Labs Dr. Priyanka Sharma (Assistant Professor, Department of Zoology, Co- convener, IIC).

Ym (m)  
President -  
(IIC)

  
29.3.23  
Dr. Gyan Prakash Dayma  
PRINCIPAL  
GOVT. SHAKAMBHAR P.G. COLLEGE,  
SAMBHAR LAKE (JAIPUR) महाविद्यालय  
राजकीय शाकम्भर स्नातकोत्तर  
साँभर लेक (जयपुर)











GREEN ROOM



VIRTUAL Labs are easy to explore, any place, any time, any type! Lab...

Resource Persons  
Indian Institute of Technology...

Organizing Committee  
Govt. Shaheedkar P.O. College, Sangli







Virtual Labs are truly any-place, any-time, any-type Labs!

**Resource Persons**  
Indian Institute of Technology (IIT), Delhi

Mr. Prateek Sharma - Mr. Chirag Saxi  
Key: Route Speaker - Guest Speaker  
Sr. Field Engineer - Field Engineer

**Organizing Committee**  
Govt. Shakambhar P.G. College, Sambhar

Mr. Vikas Prakash Deyraj - Mr. Sanku & Shantanu  
Principal & Patron - Chairman  
Mr. Jays Mall - Mr. R.S. Bhatnagar  
Coordinator - Co-Coordinator

GOVERNMENT OF RAJASTHAN  
DEPARTMENT OF COLLEGE EDUCATION  
GOVT. SHAKAMBHAR P.G. COLLEGE  
SAMBHAR LAKE (SAMBHAR)  
WOMEN'S INNOVATION

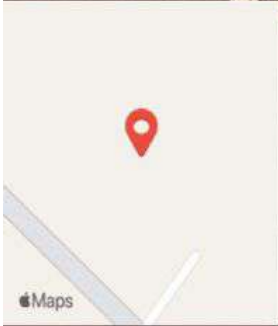
GREEN ROOM







GPS Map Camera



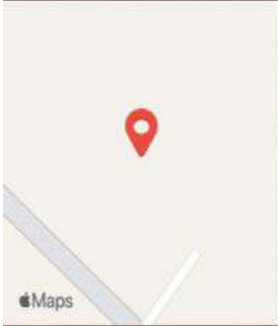
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Apple Maps





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**Introduction**

- High number of Substantial Issues
- High production of engineers per year
- Continuous level of Learning
- Practical knowledge
- Collaboration with Industry/Research Institutions

**Strategic/Key features**

- Quality education for all
- Equal opportunity for all

Government of Rajasthan  
Department of College Education, Jaipur  
Govt. Shakambhar  
P.G. College, Sambhar Lake, Jaipur  
Virtual Labs Nodal Centre  
(since 2020)  
Is organizing a Hands-on via Labey entitled  
"Virtual Labs:  
Innovation In Experimentation"  
In Collaboration with  
Virtual Labs, IITM,  
Indian Institute of Technology (IIT), Delhi  
www.vlab.co.in  
Date: 29th January, 2023 (Monday)  
Time: 11:30 AM onwards  
Venue: New BVA Hall, Sambhar,  
Govt. Shakambhar P.G. College, Sambhar Lake  
Virtual Labs are IITM  
"Hands-on via Labey, via Online, via VR/AR/ Labey"



Government of Rajasthan  
Department of College Education, Jaipur

Govt. Shakambhar P.G. College, Sambhar Lake, Jaipur  
(NAAC Accredited with "B+" Grade)

**Virtual Labs Nodal Centre** (since 2020)  
Is organizing a Hands-on workshop entitled  
**"Virtual Labs: Innovation In Experimentation"**

In Collaboration with  
**Virtual Labs Team, Indian Institute of Technology (IIT), Delhi**  
[www.vlab.co.in](http://www.vlab.co.in)

  
An MHRD Govt of India Initiative  
under the aegis of  
**NMEICT**  
National Mission on Education Through ICT

on: 23<sup>rd</sup> January, 2023 (Monday)  
Time: 11.00 Am onwards  
Venue: New RUSA Auditorium,  
Govt. Shakambhar P.G. College, Sambhar Lake

Virtual Labs are truly  
'any-place, any-pace, any-time, any type' Labs!






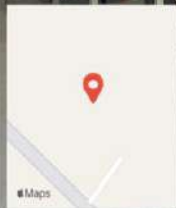






GPS Map Camera

  
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**Sambhar, RJ, India**  
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GPS Map Camera

Maps





GREEN ROOM




  
 GOVERNMENT OF RAJASTHAN
   
 DEPARTMENT OF COLLEGE EDUCATION
   
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**INSTITUTION'S INNOVATION COUNCIL (IIC)**
  
 Building Innovative Experiences
   
 IIC 2021-2026

