



# Virtual Labs

An MoE Govt of India Initiative



## IIT Delhi

Indian Institute of Technology Delhi

### A WORKSHOP on “Virtual Labs”

Conducted By

## IIT DELHI

An initiative of Ministry of Education  
Under the of National Mission on Education through ICT

**Tuesday 26<sup>th</sup> September 2023**

**Venue: Pyarelal Auditorium from 10:00 AM Onwards**

## *DBT Star* *College Scheme*

**Chief Patron**

**Ch. Jitendra Nath Singh**

**President**

**K P Trust Prayagraj**

**Patron**

**Prof. Ajay Prakash Khare**

**Principal, Chairperson**

**DBT Star College Scheme**

सत्यमेव जयते  
Department of Biotechnology  
Government of India

**Link for Registration:** <https://forms.gle/tRav5Z7CSxfKJ6jE7>

<i>Chief Program Coordinator</i>	<i>Program Coordinator</i>	<i>Event Convener</i>	
<b>Dr Meena Rai</b> Convener Capacity building Committee	<b>Dr Sarita Srivastava</b> Coordinator, IQAC/DBT CMP Degree College	<b>Dr. Sudhi Srivastava</b> Nodal Officer Virtual Lab/ Assistant Professor Department of Zoology	
<i>Executive Program Coordinators</i>			
<b>Dr. Babita Agrawal</b> Convener Department of Chemistry	<b>Dr. Amita Pandey</b> Convener Department of Botany	<b>Dr Rakesh Kumar</b> Convener Department of Physics	<b>Dr. Vinita Jaiswal</b> Convener Department of Zoology



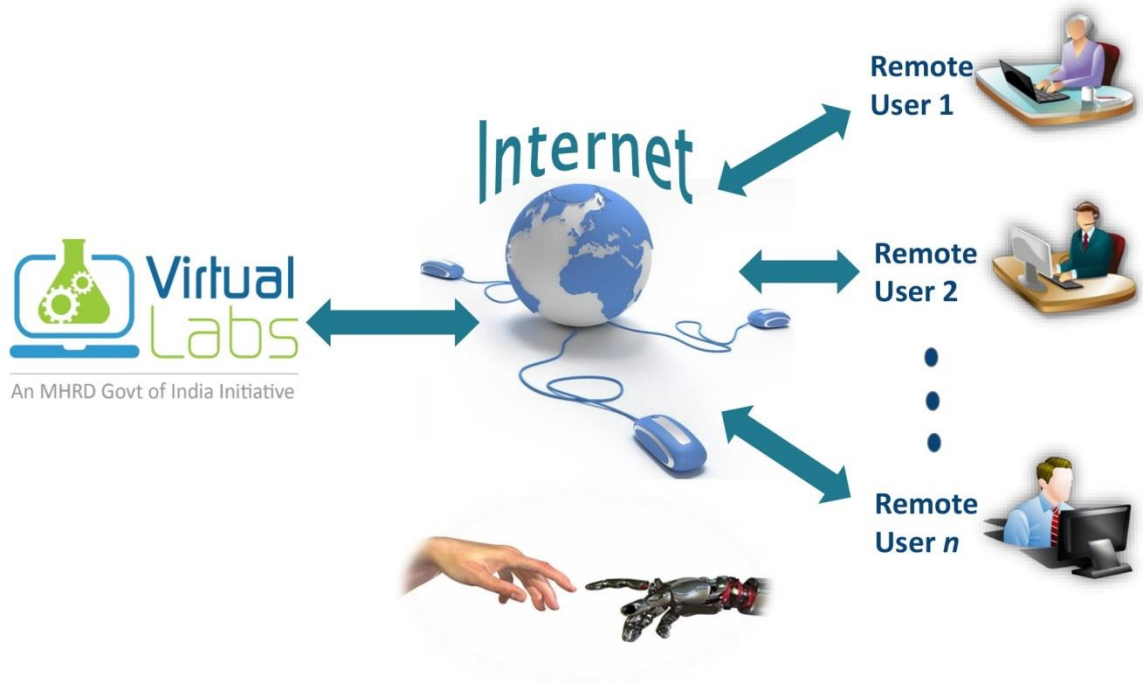
Initiative of IQAC /ICT  
& Department of Zoology  
C.M.P. Degree College, Prayagraj



# Virtual Labs

## Objectives:

Virtual Labs project is an initiative of Ministry of Human Resource Development (MHRD), Government of India under the aegis of National Mission on Education through Information and Communication Technology (NMEICT). This project is a consortium activity of twelve participating institutes and IIT Delhi is coordinating institute. It is a paradigm shift in ICT-based education. For the first time, such an initiative has been taken-up in remote-experimentation. Under Virtual Labs project, over 120 Virtual Labs consisting of approximately 900+ web-enabled experiments were designed for remote-operation and viewing. Virtual Labs do not require any additional infrastructural setup for conducting experiments at user premises. The simulations-based experiments can be accessed remotely via internet.. Virtual Lab does not require any additional infrastructural setup for conducting experiments at user premises. One computer terminal with broadband internet connectivity is all that is needed to perform the experiments remotely. website [www.vlab.co.in](http://www.vlab.co.in).





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**Tuesday 26<sup>th</sup> September 2023**

**Venue: Pyarelal Auditorium from 11AM Onwards**

*Programme Schedule*

<b>Inaugural Session</b>	<b>10:00 AM -10:45 AM</b>
Welcome Address	Dr. Sarita Srivastava, Coordinator, IQAC/ICT/DBT Star College
Concept of Virtual Labs	Dr Sudhi Srivastava, Nodal officer Virtual labs,
Address by	Dr Meena Rai, Convener Capacity building Committee
Words of Blessings	Prof. Ajay Prakash Khare ,Principal, CMP Degree College
Vote of Thanks	Dr Sudhi Srivastava, Nodal Officer, Virtual labs, CMP Degree College
<b>Technical session I</b>	<b>10:45AM -12:00 PM</b>
Introduction to the speakers of technical session	Dr. Jyoti Verma Assistant Professor, Department Of Zoology
Virtual Labs	(For Faculty Members Of All Science Departments, Research Scholars PG Students) (Botany, Chemistry, Physics, Zoology,& Mathematics)
<b>Technical Session II</b>	<b>12:00 PM- 1:00 PM</b>
Virtual labs for	Students of Undergraduate and post Graduate programs of Botany, Zoology, Chemistry and Physics, Mathematics



## Executive Committee

<b>Dr. Sanjay Singh</b> <i>Associate Professor Department of Botany</i>	<b>Dr. Santosh Kr. Srivastava</b> <i>Associate Professor Department of Chemistry</i>	<b>Dr. Nilesh Kumar Rai</b> <i>Assistant Professor Department of Physics</i>	<b>Dr Manoj Kumar Jaiswal</b> <i>Assistant Professor Department of Zoology</i>

## Nodal Coordinators

<b>Dr. Vishal Srivastava</b> <i>Assistant Professor Department of Chemistry</i>	<b>Dr. Alok Kumar Singh</b> <i>Assistant Professor Department of Botany</i>	<b>Dr. Vinay Kumar Singh</b> <i>Assistant Professor Department of Zoology</i>	<b>Dr. Sangeeta Singh</b> <i>Assistant Professor Department of Physics</i>
<b>Dr. Himani Chaurasia</b> <i>Assistant Professor Department of Chemistry</i>	<b>Dr. Avinash Pratap Singh</b> <i>Assistant Professor Department of Botany</i>	<b>Dr. Nidhi Tripathi</b> <i>Assistant Professor Department of Zoology</i>	<b>Dr. Atul Singh Bharadwaj</b> <i>Assistant Professor Department of Physics</i>
<b>Dr. Akram Ali</b> <i>Assistant Professor Department of Chemistry</i>	<b>Dr Vijay Pratap Singh</b> <i>Assistant Professor Department of Botany</i>	<b>Dr. Anuradha</b> <i>Assistant Professor Department of Zoology</i>	<b>Dr Rohit Kumar</b> <i>Assistant Professor Department of Physics</i>

## Advisory Board

Dr. Anil Kr. Shukla Dr. Sunanda Das Dr. Archana Pandey Dr. Babita Agrawal Dr. Arti Gupta Dr. Mridula Tripathi Dr. Deepa Srivastava Dr. Praveen Kumar Singh	Dr. Manju Srivastava Dr. Meena Rai Dr. Kirti Raje Singh Dr. Anita Singh Dr. Pallavi Rai Dr. Deepak K Gond Dr. Yashwant Kumar Dr. Neha Pandey	Dr. Gyan Prakash Dr. Rekha Srivastava Dr. Nilesh Kumar Rai Dr. Ajay Kumar Yadav Dr. Hari Pratap Bhaskar Dr. Harish Chandra Yadav Dr. Rajesh Kumar Yadav Dr. Ashok Kumar Ranjan Dr. Dharmendra Kumar Sahu	Dr. Hemlata Pant Dr. Jyoti Verma Dr. Ashish Kumar Mishra Dr. Ajeet Kumar Singh Dr. Charu Tripathi Dr. Ranjeet Kumar Dr. Praveen Tripathi Dr. Pramod Kumar Dr. Monika Singh Dr. Deepanjali Pandey
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