

## IUJ ties up with IIT, Delhi to provide Virtual Labs to its students - July 09, 2020

The image shows a Zoom meeting interface. The top portion displays a grid of participants in various video feeds. The bottom portion shows a presentation slide titled "NATIONAL IMPACT" which features a map of India with numerous location pins. The slide includes the following statistics:

- Over 800 Nodal Centers
- Over 3500 Usages
- Over 36 L Usages

On the left side of the slide, a list of institutions is provided:

- IIT Delhi
- IIT Bombay
- COE Pune
- IIT Hyderabad
- IIT Guwahati
- Amrita University
- IIT Kharagpur & Dayalbagh
- IIT Roorkee
- NITK Surathkal
- IIT Kharagpur

The meeting interface also shows the time as 12:20 PM and 11:53 AM, and the name of the presenter as Prateek Sharma.

Prateek Sharma is presenting

Runna Bhattach... and 16 more

12:13 PM

Virtual Lab for IMAGE PROCESSING

IIIT-H

Objective Introduction Theory Procedure Experiments Assessment Summary


### Image Arithmetic


Observe the result and try different operations with different secondary images.


Select Image:

Select Operation:  Addition  Clipping  Subtraction  Auto-Scaling  Difference  Multiplication  Division

Select Secondary Image:

Primary Image:  Input size: 300 x 300

Secondary Image: 

Processed Image:  Output size: 300 x 300

Type here to search

Participants in the first screenshot:

- Rahul Kumar
- grijesh kumar
- Ashay Kumar Sinha
- Prateek Sharma
- MANOJAR SINGH
- ORS Rao
- Ankur Raj
- Tripti\_Rao
- IIT\_Parkland Registrar

Prateek Sharma is presenting

Shoab Ali and 19 more

11:52 AM

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

Virtual Labs

An Initiative of Ministry of Human Resource Development Under the National Mission on Education through ICT

Home About Us Support Virtual Lab Status Report VLAB Contact Us Contact Us Home Help Contact Us



One common website to access all Virtual Labs

Participants in the second screenshot:

- MITHEESH KUMAR
- IIT\_Parkland Registrar
- grijesh kumar
- Ashay Kumar Sinha
- Bhagabat Sarkar
- Prateek Sharma
- MANOJAR SINGH
- ORS Rao
- Nilesh Kumar

Prateek Sharma is presenting

Ankit Singh and 21 more

11:49 AM

## Types of Virtual Labs

Modeling / Simulation Based

Measurement Based

Remote Triggered

Scalability

From Cloud to Reality

MANOHAR SINGH

ORIS Rao

Nilesh Kumar

Arkur Raj

MITHLESH KUMAR

g

gijesh kumar

Abhay Kumar Sinha

Bhagbat Bark

Prateek Sharma

Prateek Sharma is presenting

Ankit Singh and 20 more

11:47 AM

## Physical Labs Vs Virtual Labs

Factors	Physical Labs	Virtual Labs
Cost	Typically in few Lakh Rupees	Almost Nil (only your existing PC with internet connection is needed)
Availability	Limited in time and space	Designed for 24x7 usage
Experimentations	Limited options for innovation	Provides wider & safer options for innovative experimentations e.g. High Voltage lab, Mechanical Design lab, Biomedical, Civil Engg Structures labs.
User Experience		Second Best

MANOHAR SINGH

ORIS Rao

Nilesh Kumar

Arkur Raj

TarakNath Paul

Rahul Kumar

Abhay Kumar Sinha

Bhagbat Bark

Prateek Sharma



Prateek Sharma is presenting

## Salient Features

- ✘ Anytime anywhere lab.
- ✘ Virtual Labs are free to use.
- ✘ Accessible through Internet on any PC/Laptop.
- ✘ Surprisingly even on your smartphone/Tablet.
- ✘ Developed in self-learning mode.
- ✘ Innovative experimentations.
- ✘ Over 100 Virtual Labs developed.



Meeting details

People (31) Chat (2)

- Abhay Kumar Sinha
- ABHIDEH KUMAR
- abirsh vardhan
- Akash Singh
- Anjit Singh
- Ankur Raj
- Arjun kumar prasad
- Bhagabat Barik
- Dr Rajesh Kumar Prasad
- IJ Jharkhand Registrar
- kajal sharma
- MANOHAR SINGH

Prateek Sharma is presenting



# Virtual Labs

An Initiative of  
**Ministry of Human Resource Development (MHRD)**  
 under the aegis of  
**The National Mission on Education through ICT (NMEICT)**



Meeting details

People (33) Chat (2)

- Abhay Kumar Sinha
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- Anjit Singh
- Ankur Raj
- Ankush pandey
- Arjun kumar prasad
- Bhagabat Barik
- Dr Rajesh Kumar Prasad
- grijesh kumar
- IJ Jharkhand Registrar

Meeting controls: Turn on captions, Prateek Sharma is presenting