

Date: 19.02.2022

To,

The Principal,  
ATME College of Engineering,  
Mysuru-570028

From,

Thejkumar J,  
Asst. Professor, Dept. of ME  
V-Lab Nodal Centre Coordinator,  
ATME College of Engineering, Mysuru-28

**Subject: Request to Conduct Workshop on V-Lab for 3<sup>rd</sup> Semester Students reg.**

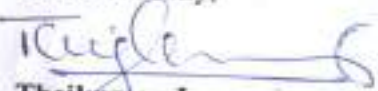
Respected Sir,

In order to bring the awareness on Virtual lab & ICT among the 3<sup>rd</sup> semester students who joined the programme for the academic year 2021-22, A one-day workshop is planned to be organized on 25/02/2022 (Friday) for Mechanical and Civil Engineering Branches

In this regard kindly permit us to conduct the workshop on the above said dates and do the needful.


Thanking you,

Yours faithfully,



Thejkumar J  
V-lab Coordinator  
ATMECE, Mysuru-28

Approved to conduct V-Lab  
one day  
w/s on 25/2/2022 for  
Mechanical & civil 3<sup>rd</sup> sem  
students

  
21/2/22



**A T M E**  
College of Engineering



**NBA**  
ACCREDITED

Affiliated to VTU, Belagavi; Approved by AICTE, New Delhi and Recognised by Government of Karnataka  
Programs accredited by NBA, New Delhi - CV, EC, EE & ME (Validity: 2019-20 to 2021-22)

Ref.no.: ATME/LAB/ME/2021-22/224

Date: 23/02/2022

### CIRCULAR

A one-day workshop on "Awareness on Virtual Lab and its utilization" is scheduled for 3<sup>rd</sup> semester students of Mechanical Engineering and Civil Engineering program on 25 February 2022 at 11.15 a. m in Computer Lab facility, Department of Mechanical Engineering.

All the students of 3<sup>rd</sup> semester of the program should attend the Workshop without fail.

  
V-lab Coordinator 23/02/22

 23/2/22  
Dean Academic

 23/2/22  
Principal

#### Copy to:

Principle office,  
HoDs: ME & CE  
Dean-Academic,  
Dean-Research,  
Dean-Student Affair,

**ATME COLLEGE OF ENGINEERING**

13th Kilometer, Mysore-Kanakapura-Bangalore Road, Mysore - 570 028 P: 0821-2593335 F: 0821-2593328  
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LABORATORY  
THROUGH VIRTUAL  
EXPERIMENTATION



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Mechanical Engineering and Civil Engineering  
in association with NITK Surathkal



A one day workshop on  
**Awareness on Virtual Lab and Its Utilization"**

**Date:** 25th February 2022, **Time:** 11.15am - 1.15pm

**Chief Patrons**

**Sri. L Arun Kumar**

Chairman, ATMECE, Mysuru

**Sri. K Shivashankar**

Secretary, ATMECE, Mysuru

**Patrons**

**Dr. Basavaraj L**

Principal, ATMECE

**Dr. Govinde Gowda M S**

Dean, Academics, ATMECE

**Convenor**

**Dr. Srinivasa K**

HoD-ME, ATMECE

**Prof. Manu Vijay**

HoD-CE, ATMECE

**Coordinator**

**Prof. Thejkumar J**

Nodal Centre Coordinator, V-labs

**Dept. Coordinator**

**Prof. Karthik Kumar M**

ME- Coordinator, V-labs

**Dept. Coordinator**

**Prof. Shashank P**

CE- Coordinator, V-labs

**Target Audience:** 3<sup>rd</sup> Sem Students of Programme

**Venue:** Computer Lab - Mechanical Department





# ATME

## College of Engineering

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# NBA

ACCREDITED

Ref.no.: ATME/VL/2021-22/159

Date: 26/02/2022



### Workshop Report – An awareness on Virtual Lab & Its Utilization for 3<sup>rd</sup> Semester Mechanical & Civil Engineering Students

NCID | Nodal Centre: ATME College of Engineering


Workshop Date: 25/02/2022


Workshop Type (online/ offline): Offline

Time	Discipline	Lab/ Experiment Demonstrated	No. of Students	No. of Faculty	Usage (No. of students + faculty members) * No. of Experiments demonstrated
11.15-1.15pm	Mechanical Engineering	Life estimation of a Single Point Cutting Tool during Turning Process	20	02	22
11.15-1.15pm	Mechanical Engineering & Civil Engineering	Find the impact strength of material using Charpy test	31	03	34
11.15-1.15pm	Mechanical Engineering & Civil Engineering	Find hardness of a material using Brinell hardness Tester	31	03	34
<b>Total</b>					<b>90</b>

Coordinating Team:

1. Karthik Kumar M
2. Shashank P

  
26/02/22  
**Mr. Thejkumar J**  
V-Lab, Nodal Centre Coordinator,  
ATMECE, Mysuru-28

  
26/2/22  
**Dr. L. Basavaraj**  
Principal,  
ATMECE, Mysuru-28

ATME COLLEGE OF ENGINEERING

13th Kilometer, Mysore-Kanakapura-Bangalore Road, Mysore - 570 026 P: 0821-2593335 F: 0821-2593328  
Email : info@atme.in Web : www.atme.in

Date: 26/02/2022

## **Report on one day workshop on Awareness on Virtual Lab & Its Utilization for 3semester Mechanical & Civil Engineering Students**

A one-day workshop on “Awareness on Virtual Lab and its utilization” is organised on for the 3<sup>rd</sup> Semester Students of Mechanical and Civil Engineering Students on 25/02/2022.

The main Aim of the workshop is to bring the awareness on the Virtual Lab and utilization in the regular curriculum. The workshop is inaugurated by Dr. Govinde Gowda M S, Dean Academics, ATMECE. Dr. Srinivasa K, Prof. & Head Department of Mechanical Engineering, Prof. Manu Vijay, Head, Department of Civil Engineering presided over the function.



***Dr. Govinde Gowda M S addressing the students during the workshop***

In his inaugural address sir spoken about the importance of learning and how virtual lab is contributing has a blended learning tool by enhancing the better understanding of the concepts learnt. Sir also insisted the students to go through the experiments of the V-labs before actually conducting the experiment in the physical lab. This will bring a better understanding and the deep learning among the concepts learnt. Sir also informed the students to use the virtual labs not only for the lab component but also this can be used to substitute the theory concepts learnt in the few of the courses in the regular curriculum.

Later the session was addressed by Prof. Thejkumar J, Nodal Centre Coordinator. In his address he briefed about the idea behind the coming out of the concept of Virtual labs and the initiatives taken by the ATME college of Engineering in implementation of V-labs in the regular curriculum.



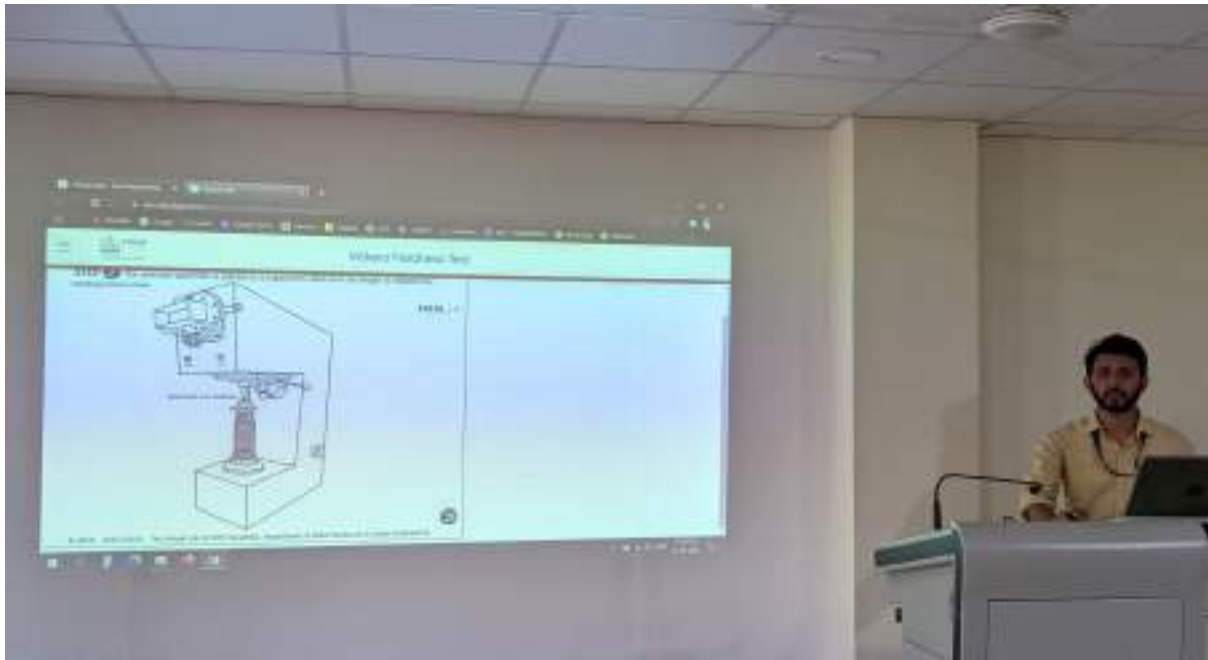
*Prof. Thejkumar J addressing the students during the workshop*

Also, the students were taken to hands on session on the Virtual lab portal, where they were guided about how to use the web portal, search for experiments, choosing the experiment to conduct and its simulation.

A demonstration is given on the estimation of a tool life of a single point cutting tool for the mechanical engineering students and complete overview is given about the experimentation is delivered.

Mr. Shashank P, Department Coordinator, V-labs taken over the second session. He delivered the demonstration on Strength of materials lab which will be called Material Testing lab under VTU curriculum. Since it is common for both Mechanical and Civil Engineering Students, he conducted experimental demonstration on Charpy test and Brinell Hardness test to determine the mechanical strength of a given specimen.





*Prof. Shashank P, demonstrating the experiments during the workshop*

Students were worked on the Virtual lab platform and had hands on experience in conducting experiments and learnt the navigation in Virtual lab Platform.

Sl. No.	Lab Conducted	Coordinator	Department
1	Cutting tool life estimation of a Single point Cutting Tool	Thejkumar J	Mechanical Engineering
2	Impact strength testing on Charpy Tester	Thejkumar J	Mechanical & Civil Engineering
3	Brinell Hardness Test	Shashank P	Mechanical & Civil Engineering

### **Thejkumar J**

Nodal Centre Coordinator,  
ATME College of Engineering, Mysuru-28



**Attendance Record -25/02/2022**

**Nodal Centre:** ATME College of Engineering

**Workshop Date:** 25/02/2022

**Workshop Type:** Student Centric Awareness program

Sl. No	USN	Name	Signature
1		Madhugudano R	Madhugudano R
2		VISHAL S	Vishal S
3		Vijay Shankar N S	Vijay NS
4		Adarsha M	A
5		Raghu L	Raghu L
6		Balakrishna G L	Balakrishna G L
7		Abhivarna BS	Abhivarna BS
8		Kiran M G	Kiran M G
9	LADDOMEDC7	KARTHIK M	Karthik M
10		AKSHAY S	A
11		Vinay Kumar H M	Vinay H M
12		Sharath Kumar D S	Sharath Kumar D S
13		Manoj K S	Manoj K S
14		Sai Sharan M	Sai Sharan M
15		NAKUL P	NAKUL P
16		Sharath M Gowda	Sharath M Gowda
17		MAHADEVASWAMY M	Maha
18		Preethi S	Preethi S
19		Pooja	Pooja
20		Harshitha Nayaka R	Harshitha Nayaka R
21			
22			
23			
24			
25			





### Attendance Record -25/02/2022

Nodal Centre: ATME College of Engineering

Workshop Date: 25/02/2022

Workshop Type: Student Centric Awareness program

Sl. No	USN	Name	Signature
1	4AD20CV023	Pavan . M J	
2	4AD20CV031	Vishwas . J G	
3	4AD20CV014	Karthik . S.	
4	4AD20CV030	Vikas - M	
5	4AD20CV007	Bilal Ahmed	
6	4AD20CV027	Syed Ahmed Zaffar	
7	4AD20CV012	Deekshitha H.V	
8	4AD20CV022	Pallavi . M	
9	4AD20CV003	Anusha . C. K	
10	4AD20CV019	moulya . L. S	
11	4AD20CV006	Ayesha Sultana R	
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# Feedback form - V-Labs Webinar - ATME College of Engineering, Mysore - 25/02/22

28 responses

## Name of the Participant

28 responses

Bilal ahmed

Raghu L

PAVAN MJ

Vijay shankar N S

Prajwal G

Sharathkumar A S

Anusha c k

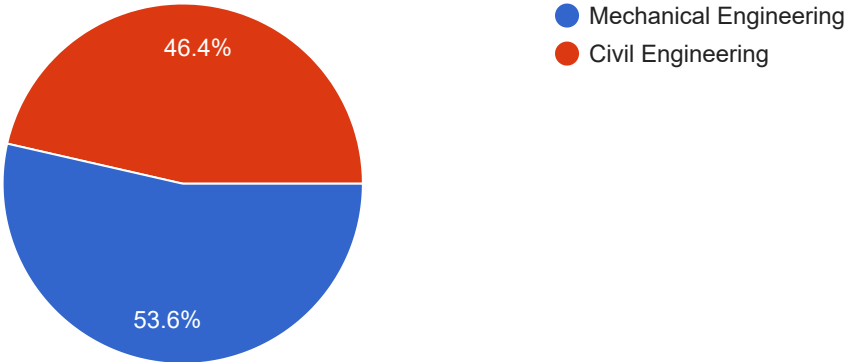
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BALAKRISHNA g I



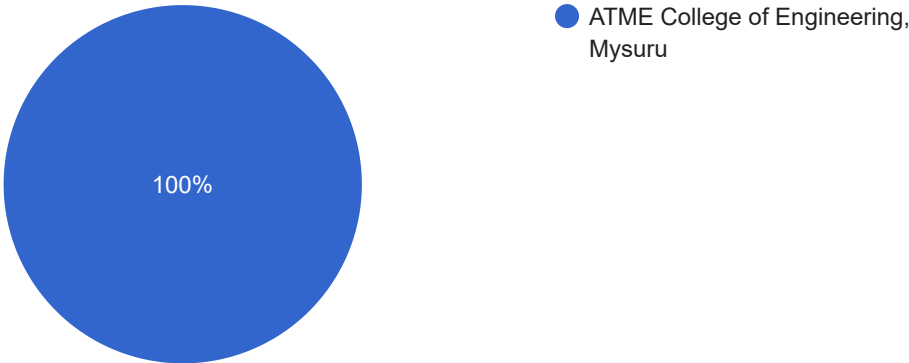
Department/Branch

28 responses



Institution

28 responses





Contact No. (Mobile) \*

28 responses

7019733425

7337766033

8050612637

9901140849

9008275198

9739877140

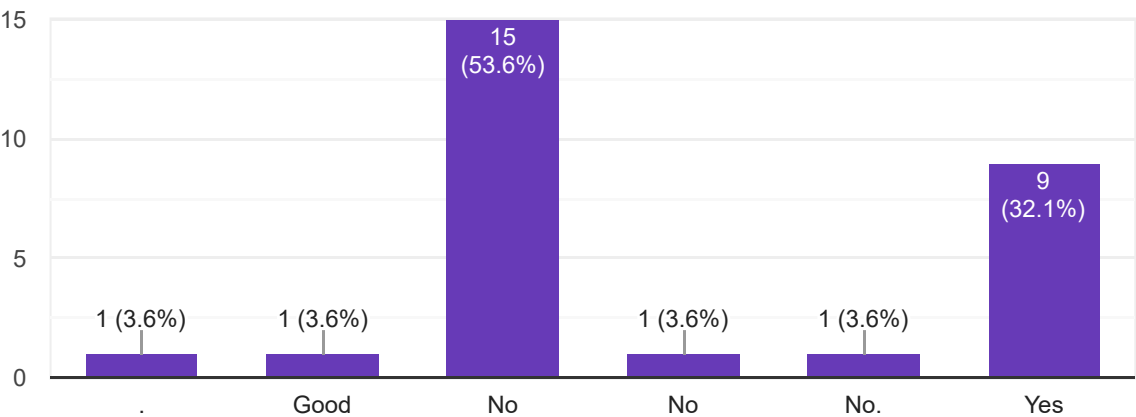
9632612326

6362364356

7996254705

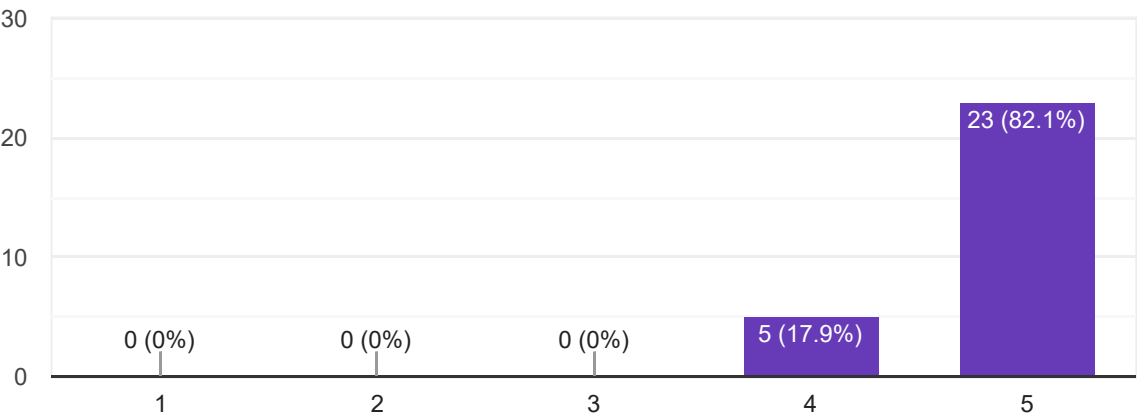
Do you have previous knowledge or experience of using Virtual Labs?

28 responses



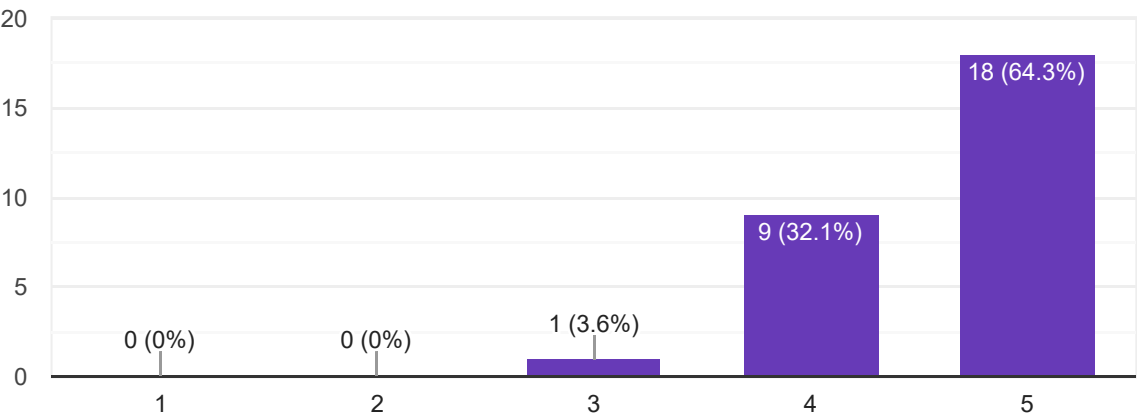
How helpful do you feel the system is?

28 responses



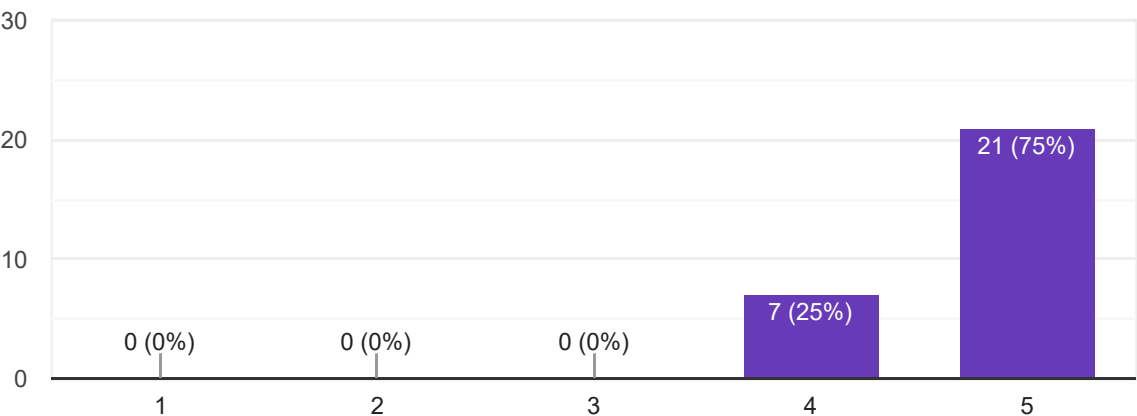
To what degree was the actual lab environment simulated

28 responses



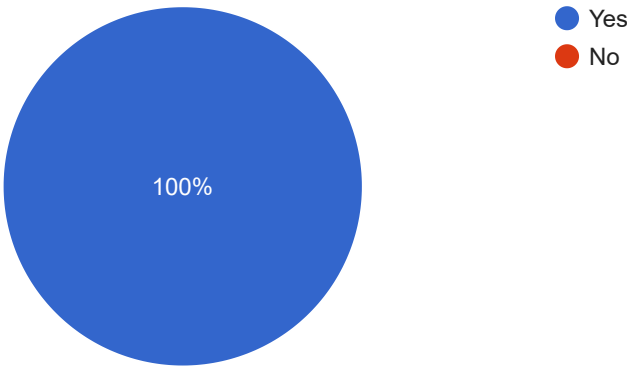
The results of simulation/experiment were easily interpretable

28 responses



Could you identify Virtual Labs as useful for courses/subjects you are dealing with?

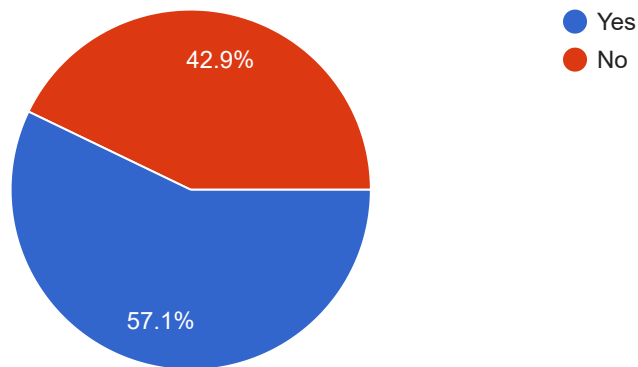
28 responses





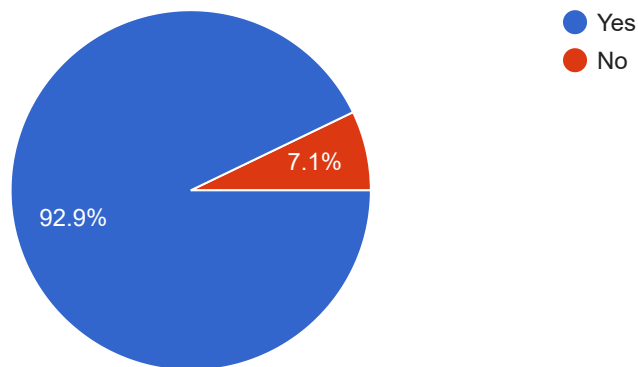
Do you think performing experiments through virtual labs are more challenging than the real lab experiments?

28 responses



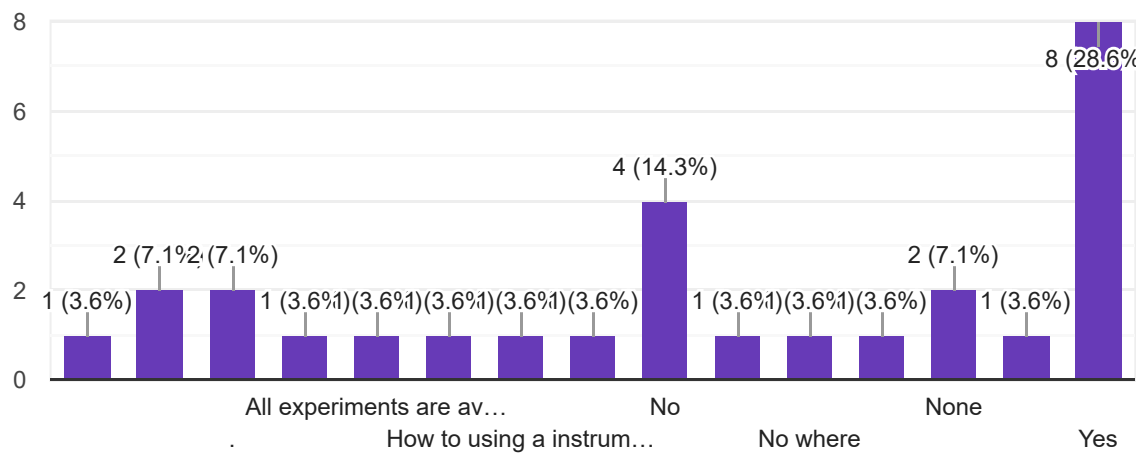
Do you think doing experiments through virtual lab gives scope for more innovative and creative research work?

28 responses



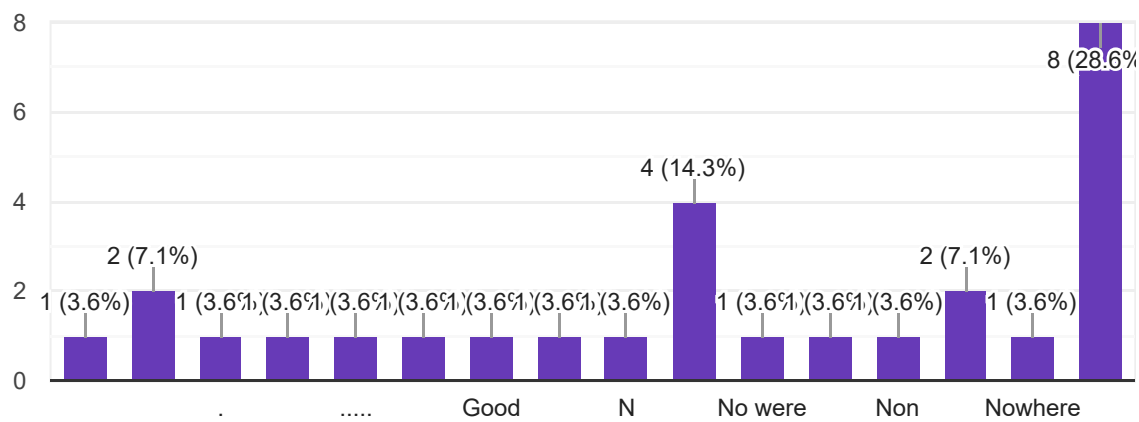
Subject areas you found as gap areas, for which experiments are not available?

28 responses



Subject areas you found as gap areas, for which experiments are not available?

28 responses



### Any other comments/feedback

16 responses

No

It is a very innovative step taken by the indian government. It will b very helpful for the students and benefit us in developing more practical knowledge. The session held was well presented and provided us with the knowledge of virtual labs.

Good website for student

It was so use full to prepare for lab examination

.

This session is helpful

Very good speech

It was really useful

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## Google Forms







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## Certificate of Participation

This is certify that Mr./Ms. **KIRAN M B** of **Mechanical Engineering**, has participated in one day workshop on “Awareness on Virtual Lab & Its Utilization” organised by ATME college of Engineering, Mysuru in association with NITK-Surathkal on 25 February 2022

### PARTICIPATING INSTITUTES



IIT  
Delhi



IIT  
Kanpur



IIT  
Bombay



IIT  
Madras



IIT  
Kharagpur



IIT  
Guwahati



IIT  
Roorkee



IIT  
Hyderabad



Anna  
University



Dayalbagh  
University



NITK  
Surathkal



COE  
Pune

Thejkumar J

V-Lab Nodal centre Coordinator, ATMECE

Dr. Basavaraj L  
Principal, ATMECE



# ATME

College of Engineering



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## Certificate of Participation

This is certify that Mr./Ms. **PAVAN M J** of **Civil Engineering**, has participated in one day workshop on “Awareness on Virtual Lab & Its Utilization” organised by ATME college of Engineering, Mysuru in association with NITK-Surathkal on 25 February 2022

### PARTICIPATING INSTITUTES



IIT  
Delhi



IIT  
Kharpur



IIT  
Bombay



IIT  
Madras



IIT  
Kharagpur



IIT  
Guwahati



IIT  
Roorkee



IIT  
Hyderabad



Anna  
University



Dayalbagh  
University



NITK  
Surathkal



COE  
Pune

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Principal, ATMECE