



RAMANJANEYULU KOLLA AUT - SVCE &lt;ramanjaneyulu@svce.ac.in&gt;

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## Invitation for a One day Workshop on AWARENESS PROGRAM ON VIRTUAL LABS on Today 6th November 2020 Organized by AUT - Reg

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SAKTHIVEL R AUT &lt;rsakthivel@svce.ac.in&gt;

Fri, Nov 6, 2020 at 7:15 AM

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Dear Students,

Warm Greetings!!! The Department of Automobile Engineering organizing a One day workshop on “**AWARENESS PROGRAM ON VIRTUAL LABS**” on Today 06<sup>th</sup> November 2020 through Google meet for the following timing

IV year AUT : 9:30 AM to 10:15 AM  
III year AUT : 10:30 AM to 11:15 AM  
II year AUT : 1:30 PM to 2:30 PM

Google Meet link for the Workshop: <https://meet.google.com/lookup/bdwtvulbzbv?authuser=1&hs=179>

We cordially invite you for the same. The Brochure for the Workshop is enclosed for your reference.

Thanks &amp; regards

Mr. Ramanjaneyulu Kolla

Mr. R. Sakthivel

Assistant Professors,

**COORDINATORS** - One day workshop on “**AWARENESS PROGRAM ON VIRTUAL LABS**”,  
Department of Automobile Engineering,  
Sri Venkateswara College of Engineering,  
Pennalur, Sriperumbudur - 602117  
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Brochure of Virtual Lab Workshop.pdf  
1557K



# SRI VENKATESWARA COLLEGE OF ENGINEERING

[AUTONOMOUS - AFFILIATED TO ANNA UNIVERSITY]  
PENNALUR, SRIPERUMBUDUR TK - 602 117, TAMIL NADU



**Department of Automobile Engineering  
organizes a One Day Workshop  
ON  
AWARENESS PROGRAM ON VIRTUAL LABS**



**Scheduled on:  
06th November 2020.  
09.30 am to 2.30 pm**

**Convenor**

Dr. J. Venkatesan, Prof & Head,  
Department of Automobile Engg.

**Coordinators**

Mr. Ramanjaneyulu Kolla, Asst. Prof.  
Mr. R. Sakthivel, Asst. Prof.

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**To Register:**

No Registration fee  
E- Certificates will be provided to all  
the registered participants

**Scan QR or Click the URL**

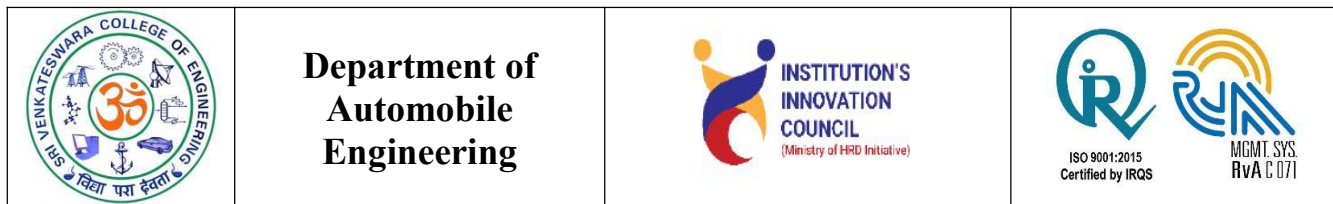
<https://forms.gle/LHWj8dyxwijuZCUC8>



Visit us at [www.svce.ac.in](http://www.svce.ac.in)

For registration related queries : [rsakthivel@svce.ac.in](mailto:rsakthivel@svce.ac.in)

**SRI VENKATESWARA COLLEGE OF ENGINEERING (SVCE)  
PENNALUR, SRIPERUMBUDUR-602117**



**REPORT ONEDAY WORKSHOP ON AWARENESS PROGRAM ON VIRTUAL LABS  
ON 6<sup>th</sup> NOVEMBER 2020.**

**Date:** 06.11.2020

**Timings:** IV year AUT : 9:30 AM to 10:15 AM  
III year AUT : 10:30 AM to 11:15 AM  
II year AUT : 01:30 PM to 02:30 PM

**Objectives:**

The main objective of the workshop is to impart basic knowledge about Awareness Program on Virtual labs.

**About the Programme:**

The one day workshop on the topic ‘Awareness Program on Virtual labs’ was organized by the Automobile Department, SVCE. Totally 91 students and 4 faculty members were enrolled for this webinar. The speaker **Mr. Ramanjaneyulu Kolla, Assistant Professor, Department of Automobile Engineering.**

**Introduction:**

The primary focus of the programme was to give theoretical exposure and practical knowledge using the Virtual labs online platform.

**Highlights of Virtual Labs:**

The following labs were taught to the students

Strength of materials:

- Shear force and bending moment diagram for simply supported beams with point load
- Shear force and bending moment diagram for simply supported beams with uniform distributed load

Fluid Mechanics lab :

- Venturimeter

**Categories of virtual laboratories**

Virtual laboratories are not homogenous, and they largely differ in their purpose, composition, and application.

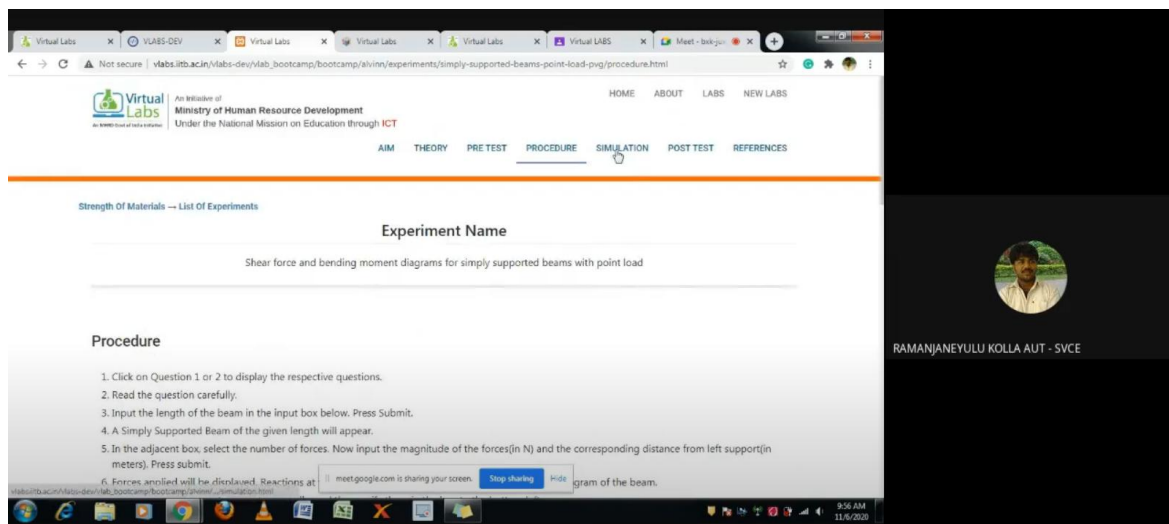
In general, a virtual lab in modern academia can be divided into the below categories-

**Laboratories**– These are the platforms that simulate physical labs on screens. The online experience offers the students the same facilities as in the physical lab, with the only difference of the interaction being limited to a 2D environment

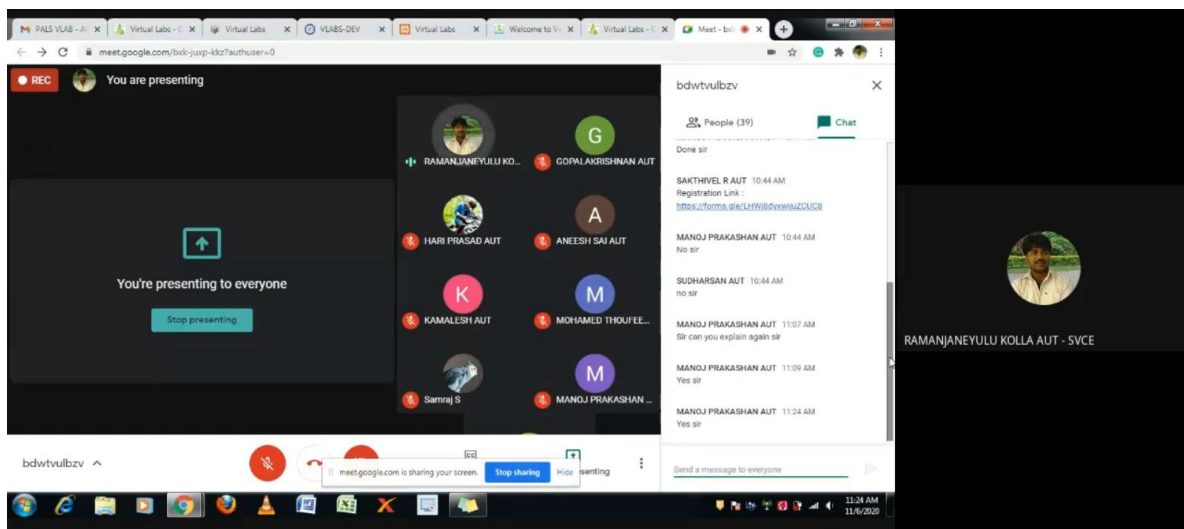
**Simulations**– Simulations offer students an opportunity to explore a different reality from a remote location

**Virtual labs awareness Program categories in to three different sessions.**

- During the first session “Shear force and bending moment diagram for simply supported beams with point load” Lab experiment were taught to fourth-year students using the virtual lab online platform.



- During the first session “Shear force and bending moment diagram for simply supported beams with uniform distributed load” Lab experiment were taught to third-year students using the virtual lab online platform.



- During the first session “Venturimeter” Lab experiment were taught to second-year students using the virtual lab online platform.

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**VENTURIMETER**

**Objective:**  
To determine co-efficient of discharge of the given venturimeter.

**Apparatus used:**  
Venturimeter, differential manometer, collecting tank, piezometer, stopwatch, measuring scale.

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## Outcomes:

- Fundamental knowledge on handling of virtual lab in online platform were learnt.
- Virtual laboratory is a media that can provide direct experimental visualizations, interactive virtual environment, practical experimentation, to do experiments more efficiently.
- Learning by using a virtual laboratory can also be done anywhere and anytime without taking the class lessons.

## Number of Students enrolled for the One day Workshop on Virtual labs

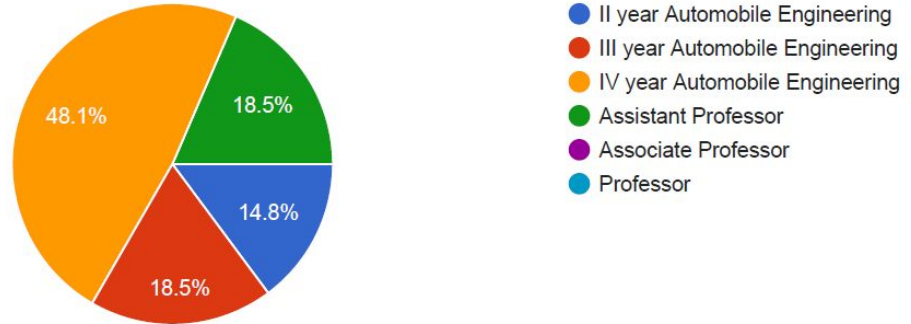
<b>Sl. No</b>	<b>Name of the Participant</b>	<b>Institute Name</b>
1	Mr. BALASUBRAMANIAN A	Sri Venkateswara College of Engineering
2	Mr. DHANABAL J	Sri Venkateswara College of Engineering
3	Mr. PAUL DURAI K	Sri Venkateswara College of Engineering
4	Mr. RAVI G	Sri Venkateswara College of Engineering
5	Mr. ROHIT N	Sri Venkateswara College of Engineering
6	Mr. PAVIN G V	Sri Venkateswara College of Engineering
7	Mr. THAMARAISELVAN.R	Sri Venkateswara College of Engineering
8	Mr. RAMAKRISHNAN L	Sri Venkateswara College of Engineering
9	Mr. TILAK R B	Sri Venkateswara College of Engineering
10	Ms ANURADHA R	Sri Venkateswara College of Engineering
11	Mr. AVINASH B	Sri Venkateswara College of Engineering
12	MR.SELVENDIRAN R	Sri Venkateswara College of Engineering
13	Mr. GUHAN T	Sri Venkateswara College of Engineering
14	Mr. ABINAND RAMAN	Sri Venkateswara College of Engineering
15	Mr. DHILIP J	Sri Venkateswara College of Engineering
16	Mr. SUDHARSAN ANANTH	Sri Venkateswara College of Engineering
17	Mr. AKANKSH ANANTH	Sri Venkateswara College of Engineering
18	Mr. ANAND ESWAR	Sri Venkateswara College of Engineering
19	Mr. BHARATH.R	Sri Venkateswara College of Engineering
20	Mr. PARAMESHWAR A	Sri Venkateswara College of Engineering
21	Mr. PURUSHOTHAMAN K	Sri Venkateswara College of Engineering
22	Mr. VISHVARAJ. R	Sri Venkateswara College of Engineering
23	Mr. K.P.KAMALNATH	Sri Venkateswara College of Engineering
24	Mr. ARUN V G	Sri Venkateswara College of Engineering
25	Mr. DHEERAJ KUMAR M	Sri Venkateswara College of Engineering
26	Mr. YUKESH.M	Sri Venkateswara College of Engineering
27	Mr. GOWTHAM N	Sri Venkateswara College of Engineering
28	Mr. ARUNKUMAR K	Sri Venkateswara College of Engineering
29	Mr. RAAHUL.G	Sri Venkateswara College of Engineering
30	Mr. SIDDHARTH A	Sri Venkateswara College of Engineering
31	Mr. THANUSH REDDY P	Sri Venkateswara College of Engineering
32	Mr. SHAAHIDH	Sri Venkateswara College of Engineering
33	Mr. ANISH PRABU R R	Sri Venkateswara College of Engineering
34	Mr. NITHIN G	Sri Venkateswara College of Engineering
35	Mr. VISHNU.E	Sri Venkateswara College of Engineering
36	Mr. RAJARAJAN K	Sri Venkateswara College of Engineering
37	Mr. PIRIYADARSHAN U	Sri Venkateswara College of Engineering
38	Mr. NITHISHVARDAN A V J	Sri Venkateswara College of Engineering
39	Mr. SUDHARSAN S	Sri Venkateswara College of Engineering
40	Mr. MANISH.R	Sri Venkateswara College of Engineering
41	Mr. SETHURAMAN.BL	Sri Venkateswara College of Engineering
42	Mr. GIRIRAJAN M B MR	Sri Venkateswara College of Engineering
43	Mr. FAREEZ KHAN R	Sri Venkateswara College of Engineering
44	Mr. GOVIND	Sri Venkateswara College of Engineering
45	Mr. SAMRAJ	Sri Venkateswara College of Engineering
46	Mr. GOWTHAM. M	Sri Venkateswara College of Engineering

47	Mr. GOKULAN.R	Sri Venkateswara College of Engineering
48	Mr. CHANDRU S	Sri Venkateswara College of Engineering
49	Mr. MANOJ PRAKASHAN M	Sri Venkateswara College of Engineering
50	Mr. JUSTIN JASPER . C	Sri Venkateswara College of Engineering
51	Mr. TAMILARASAN	Sri Venkateswara College of Engineering
52	Mr. NANDAGOPAL G	Sri Venkateswara College of Engineering
53	Mr. KAARTHIKEYAN S	Sri Venkateswara College of Engineering
54	Mr. SHYAM SUNDAR V	Sri Venkateswara College of Engineering
55	Mr. BHAVAN SHANKAR	Sri Venkateswara College of Engineering
56	Mr. VISHNU PRABHU K. G	Sri Venkateswara College of Engineering
57	Mr. KAUSHIK M.S	Sri Venkateswara College of Engineering
58	Mr. PRAJEETH S	Sri Venkateswara College of Engineering
59	Mr. MOHAMED THOUFEEQ H	Sri Venkateswara College of Engineering
60	Mr. ARIHANTH S S	Sri Venkateswara College of Engineering
61	Mr. JAI HARISH P C	Sri Venkateswara College of Engineering
62	Mr. SHOAB AKTHAR J	Sri Venkateswara College of Engineering
63	Mr. KAMALESH D	Sri Venkateswara College of Engineering
64	Mr. NITHESH R B	Sri Venkateswara College of Engineering
65	Mr. JAYAKAR K.C	Sri Venkateswara College of Engineering
66	Mr. ROSHAN KRISHNA S V	Sri Venkateswara College of Engineering
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75	Mr. SAI CHAITANYA C	Sri Venkateswara College of Engineering
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78	Mr. YOKESH K	Sri Venkateswara College of Engineering
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90	Mr. GURUVIKNESH B	Sri Venkateswara College of Engineering
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93	Mr. YUVARAJ R	Sri Venkateswara College of Engineering
94	Mr. GUNASEELAN.K	Sri Venkateswara College of Engineering
95	Mr. LOKESH K	Sri Venkateswara College of Engineering

# Feedback from participants

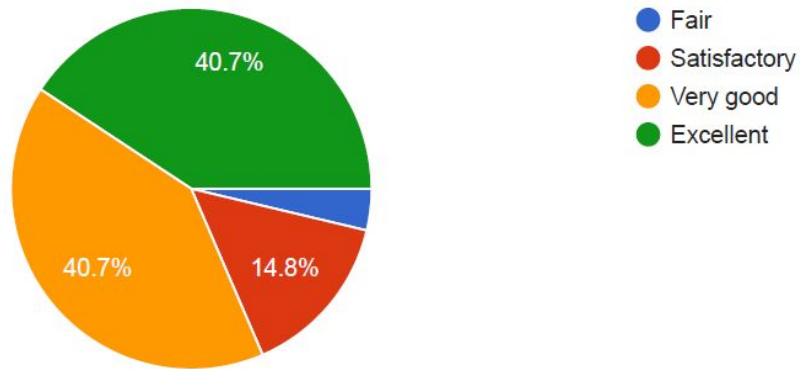
## Designation

27 responses



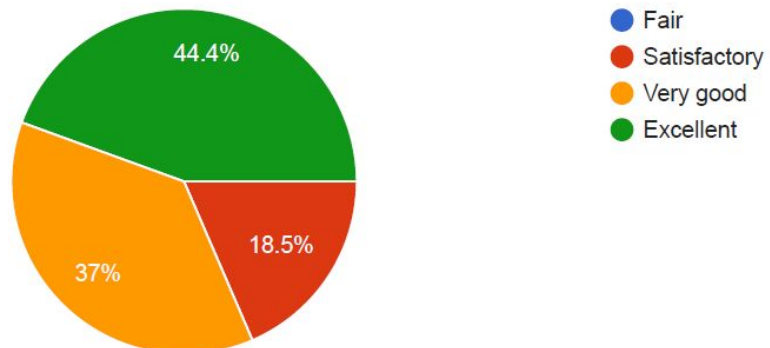
## Level of effort by the Organizer

27 responses



## Level of skill/Knowledge of the Expert

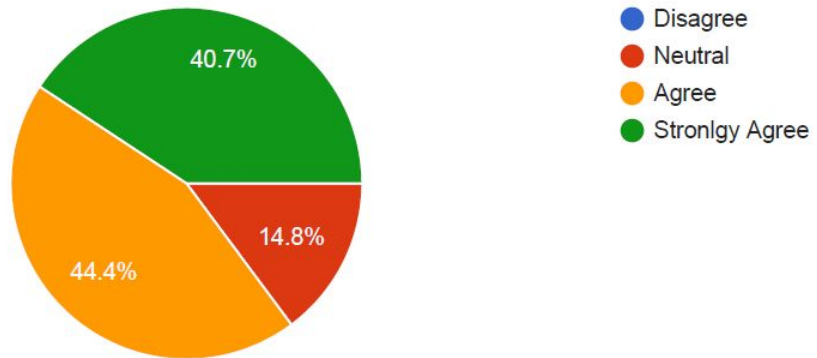
27 responses





## Course content

27 responses



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Department of Automobile Engineering

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Sakthivel R  
Assistant Professor  
Department of Automobile Engineering