



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

19-11-2019

The faculty members those who have attended the workshop on Virtual Labs@NITK Surathkal are informed to conduct hands-on demonstration and awareness program on Virtual Labs in their respective branches and submit the report.

Department	Faculty Name
Civil Engg.	Mr. Nikhil N <i>N. Nikhil</i>
CS & Engg.	Mrs. Snitha Shetty <i>Snitha</i>
IS & Engg.	Mr. Rakesh M R <i>Rakesh</i>
EC & Engg.	Dr. Gnane S Satapathi <i>Gnane</i>
Mechanical Engg.	Mr. Prasad B.G <i>Prasad</i>
I Year A Section	Mr. John P Veigas <i>John</i>
I Year B Section	Dr. Gnane S Satapathi <i>Gnane</i>
I Year C Section	Mr. Nikhil N <i>N. Nikhil</i>
I Year D Section	Mr. Rakesh M R <i>Rakesh</i>
I Year E Section	Mr. Harold J Dsouza <i>Harold</i>

*John*  
19-11-2019  
[Mr. John Prakash Veigas]  
Coordinator-Virtual Labs

*John*  
PRINCIPAL  
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

CC to HOD's :

CIVIL <i>John</i>	CSE <i>John</i>	ECE <i>John</i>	ISE <i>John</i>	Mechanical <i>John</i>	I Year Coordinator <i>John</i>
-------------------	-----------------	-----------------	-----------------	------------------------	--------------------------------



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust ©

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

Date: 08-10-2019

From,

Mr. John Prakash Veigas

Assistant Professor

Department ISE

A.J. Institute of Engineering and Technology, Mangaluru

To,

The Principal

A.J. Institute of Engineering and Technology, Mangaluru

Respected Sir,


**Sub: Seeking permission to conduct One Day Workshop on Virtual Labs @NITK,  
Surathkal**

We are planning to conduct a one day workshop on Virtual Labs @ NITK, Surathkal for III Semester ISE students on 11-10-2019. This workshop will be helpful for the students to understand about how to utilize virtual labs for different subjects. Also hands-on demonstrations will be given at this workshop. I request you to grant permission for the same.

Thanking you,

Staff Coordinator

(Mr. John Prakash Veigas)

  
08/10/2019

  
Principal

Principal

A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

14-10-2019

## One Day Workshop on Virtual Labs@NITK,Surathkal

A one day visit to Virtual labs at National Institute of Technology, Surathkal is organized for the third semester students of Information Science and Engineering of AJ Institute of Engineering and Technology on 11-10-2019. The visit comprising of workshop, hands-on demonstration and visit to the virtual labs at NITK Surathkal. 55 students and 6 faculty members are participated in this event. Dr. K V Gangadharan, Professor, department of Mechanical Engineering, NITK has demonstrated about various labs to the faculty members. The details of the content covered are given below:

Date	11-10-2019		
Venue	NITK,Surathkal		
Staff Coordinator	Mr John Prakash Veigas		
Resource Persons	Ms. Shreshta, Mr. Likith, Ms. Anusha, Ms. Aishwarya Shetty, Ms. Aishwarya Hegde Solve The Virtual Labs at Centre for System Design, NITK, Surathkal (An Initiative of Ministry of Human Resource & Development Under the National Mission on Education through ICT)		
Participants	Students	Branch	Total number students attended
		ISE-III Sem	55
	Faculty	Mr. John Prakash Veigas, Asst. Prof, Dept of ISE Dr. Gnane Swarnadh Satapathi, Assoc. Prof, Dept of ECE Mr. Rakesh M.R, Asst. Prof, Dept of ISE Mr. Prasad B G, Asst. Prof, Dept of ME Mr. Nikhil N, Asst. Prof, Dept of Civil Engg. Mrs. Snitha Shetty Asst. Prof, Dept of CSE	
Content Covered	Resource persons given hands-on demonstration of the virtual lab. Ms Anusha from NITK Surthkal briefed about the workshop and its benefits. The following experiments are demonstrated in the lab: Introduction on VLabs, V-Lab simulation, Data Structures Lab, Remote trigger Lab, Hands-on. (Basic Electronics Lab, Hybrid Electronics Lab, Analog Signals Network and Measurement Lab, Digital Electronic Circuits Lab, Digital Signal Processing Lab, Virtual Electric Circuits Lab, Computer Architecture & Organization Lab, Computer Organization Lab, Computer Programming Lab, Image Processing Lab, Problem Solving Lab, SOM, MOM, Data structures, RT lab Vibration and SOM.)		

Principal



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust ©

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)



*R. Jayaram*  
Coordinator 14/10/2019

*N*  
Principal

Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Copy to :

1. President, LMET
2. Vice President, LMET
3. Office File



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust®

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

Date: 11-11-2019

From,

Mr. John Prakash Veigas

Assistant Professor

Department ISE

A.J. Institute of Engineering and Technology, Mangaluru

To,

The Principal

A.J. Institute of Engineering and Technology, Mangaluru

Respected Sir,

**Sub: Seeking permission to conduct Workshop on Virtual Labs @NITK, Surathkal**

We are planning to conduct a workshop on Virtual Labs @ NITK, Surathkal for III Semester Civil and Mechanical students on 14-11-2019. This workshop will be helpful for the students to understand about utilization of workshops for various civil and mechanical subjects. Also hands-on demonstrations will be given at this workshop. I request you to grant permission for the same.

Thanking you,

Staff Coordinator

(Mr. John Prakash Veigas)

*John Prakash Veigas*  
11/11/2019

Principal

Principal


A.J. Institute of Engineering & Technology  
Mangaluru - 575 006



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

Event Name	Workshop on Virtual Labs		
Date	14-11-2019		
Venue	Solve The Virtual Labs at Centre for System Design NITK, Surathkal		
Staff Coordinator	Mr John Prakash Veigas		
Resource Persons	Ms. Shreshta, Mr. Likith, Ms. Anusha, Mr. Aquib A Nadaf, Solve The Virtual Labs at Centre for System Design, NITK, Surathkal (An Initiative of Ministry of Human Resource & Development Under the National Mission on Education through ICT)		
Participants	Students	Branch	Total number students attended
		Civil Engg.- III Sem	31
	Faculty	Mechanical Engineering -III Sem	29
		Mr. Nikhil N, Asst. Prof, Dept of Civil Engg. Mr. Harold Joyson DSouza , Asst. Prof, Dept of Mechanical Engg.	
Content Covered	<p>A one day visit to Virtual labs at National Institute of Technology, Surathkal is organized for the third semester students Civil Engineering and Mechanical Engineering of AJ Institute of Engineering and Technology on 14-11-2019. The visit comprising of workshop, hands-on demonstration and visit to the virtual labs at NITK Surathkal. 60 students and 2 faculty members are participated in this event. The details of the content covered are given below:</p> <p>Resource persons given hands-on demonstration of the virtual lab. Ms Likith from NITK Surthkal briefed about the workshop and its benefits.</p> <p>The following experiments are demonstrated in the lab:</p> <p>Introduction on VLabs, V-Lab simulation, Mechanics of Machine Lab, Machine Dynamics &amp; Vibration Lab, Strength-of-Materials lab etc</p>		
			

Principal  
 A.J. Institute of Engineering & Technology  
 Mangaluru - 575 006



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust®

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)



**Virtual Lab Coordinator**

Copy to :

1. President, LMET
2. Vice President, LMET
3. Office File

**Principal**

**Principal**

**A.J. Institute of Engineering & Technology  
Mangaluru - 575 006**



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust®

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

Date: 01-06-2020

From,

Mr. John Prakash Veigas

Assistant Professor

Department ISE

A.J. Institute of Engineering and Technology, Mangaluru

To,

The Principal

A.J. Institute of Engineering and Technology, Mangaluru

Respected Sir,

**Sub: Seeking permission to conduct Webinar on Virtual Labs.**

We are planning to conduct a webinar on Virtual Labs through Google Meet on 03-06-2020 for all the faculty members of AJIET. This webinar will be conducted in two slots. First slots will be conducted from 10.00 am to 11.00 am for all teaching faculty from CSE, ISE and ECE and second slots will be conducted from 11.30 am to 12.30 pm for all the teaching faculty from Civil and Mechanical. I request you to grant permission for the same.

Thanking you,

Staff Coordinator

(Mr. John Prakash Veigas)

Principal

Principal

A.J. Institute of Engineering & Technology  
Mangaluru - 575 006




# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

Event Name	<b>Webinar on Virtual Labs</b>
Date	03-06-2020
Time	10AM to 11AM
Venue	Online
Platform	Google Meet
Conveners	Mr John Prakash Veigas
Resource Persons	Mr. Beryl Thomas, Sr. Research Fellow and Ms. Shreshta, Sr. Research Fellow SOLVE: The Virtual Lab@NITK Virtual Labs Participating Institute - funded by NMEICT - MHRD, Govt. of India Centre for System Design National Institute of Technology Karnataka, Surathkal Mangaluru, India - 575025
Participants	48 ( All teaching faculty from CSE, ISE and ECE, AJIET)
Content Covered	<p>A Webinar on Virtual Labs was organized for teaching faculty of CSE, ISE and ECE department, AJIET. Mr John Prakash Veigas welcomed the participants. Resource person delivered the following content with hands on demonstration</p> <ul style="list-style-type: none"><li>• Modeling the physical phenomenon by a set of equations and carrying out simulations to yield the result of the particular experiment. This can, at-the-best, provide an approximate version of the 'real-world' experiment.</li><li>• Providing measured data for virtual lab experiments corresponding to the data previously obtained by measurements on an actual system.</li><li>• Remotely triggering an experiment in an actual lab and providing the student the result of the experiment through the computer interface. This would entail carrying out the actual lab experiment remotely.</li></ul> <p>Dr Nagesh H R proposed the vote of thanks to the participants and resource persons</p>

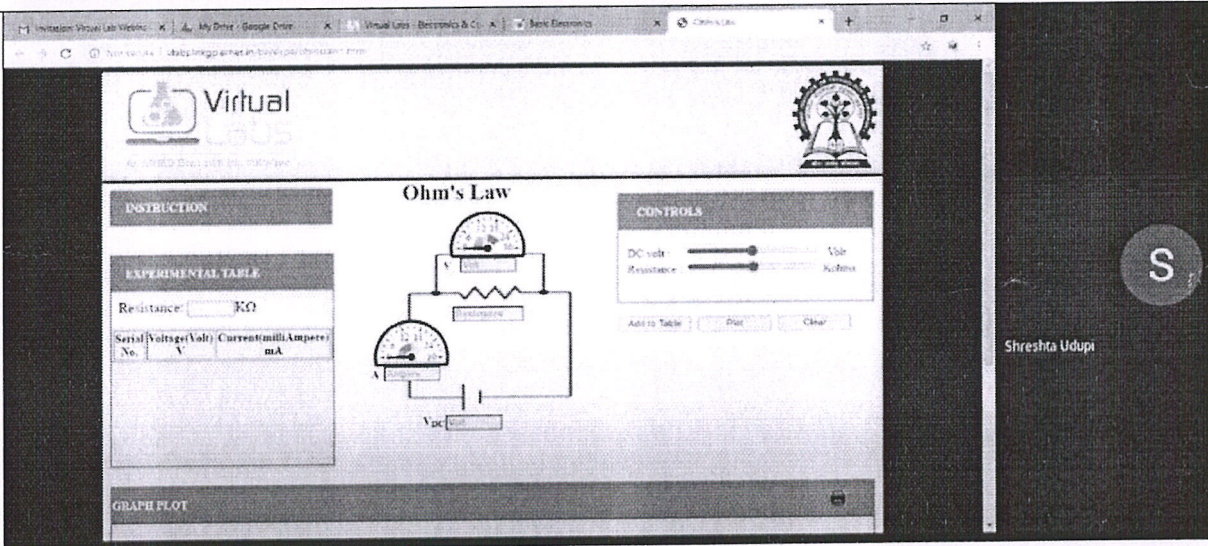
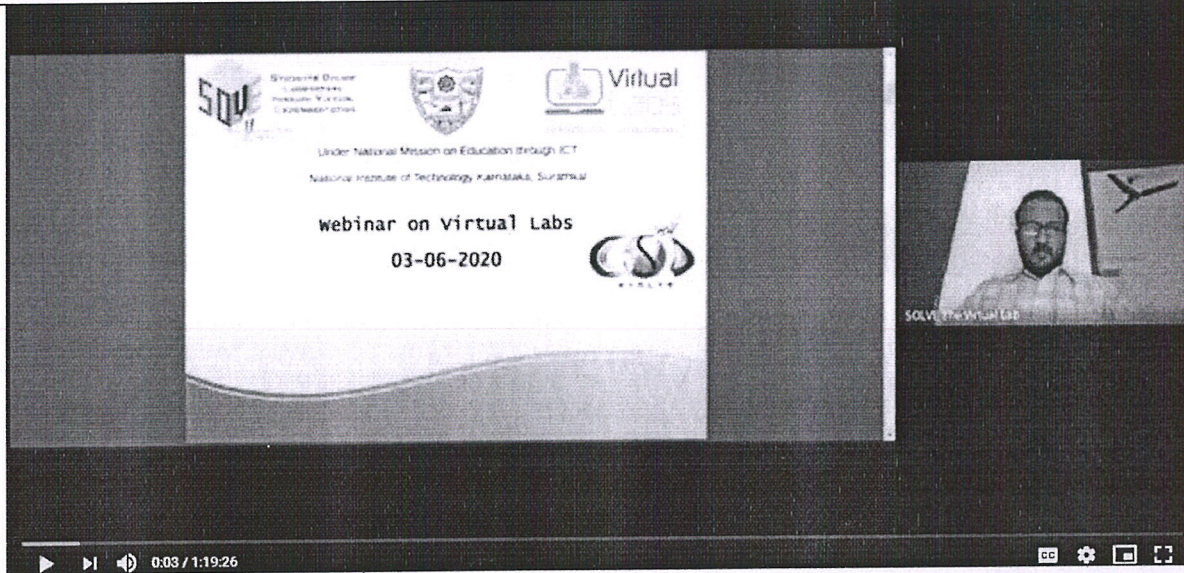
  
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust®

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgaavi)



*Pragans*

Convener and Virtual Lab coordinator

*[Signature]*

Principal

Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Copy to :

1. President, LMET
2. Vice President, LMET
3. Office File



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

Event Name	<b>Webinar on Virtual Labs</b>
Date	03-06-2020
Time	11:30AM to 12:30AM
Venue	Online
Platform	Google Meet
Convener	Mr John Prakash Veigas
Resource Persons	<ol style="list-style-type: none"><li>1. Ms. Shreshta, Sr. Research Fellow</li><li>2. Ms Aishwarya Hegde, Research Fellow</li><li>3. Mr Vishwas, Research Fellow</li></ol> <p>SOLVE: The Virtual Lab@NITK Virtual Labs Participating Institute - funded by NMEICT - MHRD, Govt. of India Centre for System Design National Institute of Technology Karnataka, Surathkal Mangaluru, India - 575025</p>
Participants	25 ( All teaching faculty from Civil and Mechanical Engineering, AJIET)
Content Covered	<p>A Webinar on Virtual Labs organized for the teaching faculty from Computer Science and Engineering, Information Science and Engineering and Electronics and Communication Engineering departments of AJIET. Mr John Prakash Veigas welcomed the participants. Resource person delivered the following content with hands on demonstration</p> <ul style="list-style-type: none"><li>• Modeling the physical phenomenon by a set of equations and carrying out simulations to yield the result of the particular experiment. This can, at-the-best, provide an approximate version of the 'real-world' experiment.</li><li>• On measured data for virtual lab experiments corresponding to the data previously obtained by measurements on an actual system.</li><li>• Remotely triggering an experiment in an actual lab and providing the student the result of the experiment through the computer interface. This would entail carrying out the actual lab experiment remotely.</li></ul> <p>Mr John Prakash Veigas proposed the vote of thanks to the participants and</p>

Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust®

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

## resource persons

The screenshot shows a Zoom meeting interface. The top portion displays a slide for a webinar titled "Webinar on virtual Labs" held on 03-06-2020 at 11:30 AM. The speaker is identified as Shreshtha Udupi, a Senior Research Fellow at CSD, NITK Surathkal. The slide also features logos for SOLVE, Virtual Labs, and NITK. The bottom portion of the screenshot shows a "Simulator" window with a diagram titled "FRICTION IN PIPES". The diagram includes a step instruction: "STEP 4 Change the knob to read position when the steady flow is reached inside the pipe. Turn on the exit valve of the collecting tank to allow water flowing inside the pipe to continuously flow out." The simulator interface includes a trial counter and copyright information for SOLVE and NITK Surathkal.

*Praveen*

Convener and Virtual Lab coordinator

*[Signature]*

Principal

Principal

A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Copy to :

1. President, LMET



# A. J. Institute of Engineering and Technology Mangaluru



Approved by AICTE New Delhi, Affiliated to VTU Belagavi & Recognised by Govt. of Karnataka  
(A unit of Laxmi Memorial Education Trust (R))

NH-66, Kottara Chowki, Mangaluru - 575 006. Ph : +91 824 2455048, 2862202 Mob.: +91 9483026503. Fax : +91 824 2862205  
email : ajengcollege@gmail.com | website : www.ajiet.edu.in

## Form for Expression of Interest

- Name of the Institute:** A J Institute of Engineering and Technology
- Address:** NH-66, Kottara Chowki, Mangaluru -575006
- Affiliated to:** Visvesvaraya Technological University, Belagavi
- AICTE / UGC Approval:** AICTE-Approval No. South-West/1-2846046191

<b>5. Branch of Engineering/Science</b>	<b>Student Strength (3rd, 5<sup>th</sup> &amp; 7<sup>th</sup> Sem)</b>
a) ECE	: 140
b) CSE	: 180
d) ME	: 173
e) Civil Engineering	: 122
f) ISE	: 143

**6. Name of the Director / Principal:** Dr Shantharama Rai C

**7. Name of the Proposed Nodal**

**Coordinator:** Mr John Prakash Veigas **Department:** Information Science and Engineering

**Contact details:** john.veigas@ajiet.edu.in, 9482038836

**8. Certified that**

- The Institute is recognized by AICTE / UGC.
- The Institute has necessary and adequate infrastructure.
- Strict adherence to the standard laid down lab Procedures and Cyber Security Laws will be followed.
- Virtual Labs connectivity can be withdrawn / stopped without giving any prior notice or reasons.
- Department Level Sub-coordinators for shall be assigned and details to be furnished.
- This EOI for Virtual Labs Nodal Centre is valid up to 31<sup>st</sup> December 2021, if not got renewed thereafter by us.

Date: 30-09-2019

Signature of the  
Head of the Institute

PRINCIPAL  
A.J. INSTITUTE OF ENGINEERING & TECHNOLOGY  
MANGALURU - 575 006



# A. J. Institute of Engineering and Technology Mangaluru



Approved by AICTE New Delhi, Affiliated to VTU Belagavi & Recognised by Govt. of Karnataka  
(A unit of Laxmi Memorial Education Trust (R))

NH-66, Kottara Chowki, Mangaluru - 575 006. Ph : +91 824 2455048, 2862202 Mob.: +91 9483026503. Fax : +91 824 2862205  
email : ajengcollege@gmail.com | website : www.ajiet.edu.in

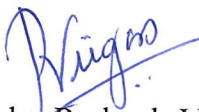
## VIRTUAL LAB WORKSHOP REPORT

(11-10-2019)

Name of the college: A. J. Institute of Engineering and Technology, Mangaluru  
Affiliated to: VTU, Belgaum

Sl. No.	Semester	Branch	No. of faculty and students who performed Virtual Lab	No. of Virtual Labs	No. of practical /experiments	Total no. of experiments = No. of faculty and students*No. of experiments
1	III	ISE	60	2	13	780
<b>Grand Total</b>						<b>780</b>

Total Number of Virtual Labs Experiments Performed: 780

  
Mr. John Prakash Veigas  
Faculty in-charge

  
Dr. Shantharama Rai C.  
Principal

Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006



# A. J. Institute of Engineering and Technology Mangaluru



Approved by AICTE New Delhi, Affiliated to VTU Belagavi & Recognised by Govt. of Karnataka  
(A unit of Laxmi Memorial Education Trust (R))

NH-66, Kottara Chowki, Mangaluru - 575 006. Ph : +91 824 2455048, 2862202 Mob.: +91 9483026503. Fax : +91 824 2862205  
email : ajengcollege@gmail.com | website : www.ajiet.edu.in

## VIRTUAL LAB WORKSHOP REPORT

(25-11-2019)

Name of the college: AJ Institute of Engineering and Technology, Mangaluru

Affiliated to: VTU, Belagavi

Sl. No.	Semester	Branch	No. of faculty and students who performed Virtual Lab	No. of Virtual Labs	No. of practical / experiments	Total no. of experiments = No. of faculty and students*No. of experiments
1	3	CSE	68	2	4	68*4=272
Grand Total						=272

Total Number of Virtual Labs Experiments Performed: 272

Mr. John Prakash Veigas  
Faculty in-charge

Dr. Shantharama Rai C.  
Principal

A.J. Institute of Engineering & Technology  
Mangaluru - 575 006



# A. J. Institute of Engineering and Technology Mangaluru



Approved by AICTE New Delhi, Affiliated to VTU Belagavi & Recognised by Govt. of Karnataka  
(A unit of Laxmi Memorial Education Trust (R))

NH-66, Kottara Chowki, Mangaluru - 575 006. Ph : +91 824 2455048, 2862202 Mob.: +91 9483026503. Fax : +91 824 2862205  
email : ajengcollege@gmail.com | website : www.ajiet.edu.in

## VIRTUAL LAB WORKSHOP REPORT

(27-11-2019)

Name of the college: A J Institute of Engineering & Technology, Mangaluru

Affiliated to: VTU

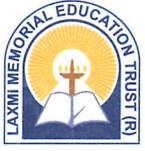
Sl. No.	Semester	Branch	No. of faculty and students who performed Virtual Lab	No. of Virtual Labs	No. of practical/experiments	Total no. of experiments = No. of faculty and students*No. of experiments
1	V	Civil Engineering	40	1	6	240
Grand Total						240

Total Number of Virtual Labs Experiments Performed: 240

Mr. John Prakash Veigas  
Faculty in-charge

Dr. Shantharama Rai C.  
Principal

Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006



# A. J. Institute of Engineering and Technology Mangaluru



Approved by AICTE New Delhi, Affiliated to VTU Belagavi & Recognised by Govt. of Karnataka  
(A unit of Laxmi Memorial Education Trust (R))

NH-66, Kottara Chowki, Mangaluru - 575 006. Ph : +91 824 2455048, 2862202 Mob.: +91 9483026503. Fax : +91 824 2862205  
email : ajengcollege@gmail.com | website : www.ajiet.edu.in

## VIRTUAL LAB WORKSHOP REPORT

(09-12-2019)

Name of the college: A. J. Institute of Engineering and Technology, Mangaluru  
Affiliated to: VTU, Belgaum

Sl. No.	Semester	Branch	No. of faculty and students who performed Virtual Lab	No. of Virtual Labs	No. of practical /experiments	Total no. of experiments = No. of faculty and students*No. of experiments
1	II	ECE	55	2	6	660
2	II	ISE	61	1	8	488
<b>Grand Total</b>						<b>1148</b>

Total Number of Virtual Labs Experiments Performed: 1148

Mr. John Prakash Veigas  
Faculty in-charge

Dr. Shantharana Rai C.  
Principal

Principal  
A. J. Institute of Engineering & Technology  
Mangaluru - 575 006



# A. J. Institute of Engineering and Technology Mangaluru



Approved by AICTE New Delhi, Affiliated to VTU Belagavi & Recognised by Govt. of Karnataka  
(A unit of Laxmi Memorial Education Trust (R))

NH-66, Kottara Chowki, Mangaluru - 575 006. Ph : +91 824 2455048, 2862202 Mob.: +91 9483026503. Fax : +91 824 2862205  
email : ajenggcollege@gmail.com | website : www.ajiet.edu.in

## VIRTUAL LAB WORKSHOP REPORT

(11-12-2019)

Name of the college: A J Institute of Engineering & Technology, Mangaluru

Affiliated to: VTU

Sl. No.	Semester	Branch	No. of faculty and students who performed Virtual Lab	No. of Virtual Labs	No. of practical/experiments	Total no. of experiments = No. of faculty and students*No. of experiments
1	I	Civil Engineering	47	1	4	188
Grand Total						188

Total Number of Virtual Labs Experiments Performed: 188

Mr. John Prakash Veigas  
Faculty in-charge

Dr. Shantharama Rai C.  
Principal

A. J. Institute of Engineering & Technology  
Mangaluru - 575 006



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY


A Unit of Laxmi Memorial Education Trust

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

## Programme Organized in Academic year 2019-20

1. On 11-10-2019, 55 students of third semester ISE and 6 faculty members visited NITK Virtual labs.
2. On 14/11/2019, 60 students from third semester (Mechanical Engineering and Civil Engineering) and two faculty members visited NITK virtual lab.

Sl No.	Particulars of Event organized by NC	No. of Participants		Date of the Event	Duration of the Event (In hours)
		Students	Faculty/Staff		
1	workshop on virtual lab	50	2	14-10-2019	3
2	workshop on virtual lab-I Sem Civil	47	0	11-12-2019	1.5
3	workshop on virtual lab -V Sem Civil	40	0	27-11-2019	1.5
4	workshop on virtual lab -II Sem ISE	61 <sup>59</sup>	0	09-12-2019	3
5	workshop on virtual lab -II Sem ECE	55	2	09-12-2019	3
6	workshop on virtual lab -III Sem ISE	55	5	11-10-2019	5
7	Awareness program on Virtual Lab -III Sem CSE	68	0	25-11-2019	1
8	Webinar on Virtual Labs	NIL	73	03-06-2020	2

  
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006



John Veigas &lt;john.veigas@ajiet.edu.in&gt;

## Confirmation for the visit to virtual lab at NITK

**SOLVE The Virtual Lab** <solve@nitk.edu.in>  
To: john.veigas@ajiet.edu.in  
Cc: Gangadharan K V <kvganga@nitk.edu.in>

Thu, Sep 26, 2019 at 3:07 PM

Respected Sir,

Greetings from **Virtual Lab NITK, Surathkal**.

Your students can visit the lab on 11<sup>th</sup> October, 2019 at 9.30a.m. Virtual Lab workshop will be conducted from 9.45a.m to 12:45p.m. Students have to get their Laptop for the hands-on session. Certificates will be distributed after the completion of workshop.

After the workshop, your college needs to provide us with Virtual Lab workshop report. Please keep the template ready in your institution letterhead. During the time of the workshop, we will provide you the details to be filled. Scanned copy of completely filled report should be sent on the day of workshop to be signed by the faculty in-charge.

Also, we would like to get the list of students and faculty members who are going to visit the lab on 11th October, 2019.

Kindly do the needful.

Feel free to contact us in case you need any further information.

Thanking you,

Regards,

SOLVE: The Virtual Lab@NITK, Funded by NMEICT - MHRD, Govt. of India  
Centre for System Design, NITK Surathkal, Mangalore, Karnataka, India 575025  
Office phone +91 824 2473915  
<http://vlab.co.in/> <https://www.facebook.com/solve.nitk/> <https://www.instagram.com/solve.nitk/>

Participating Institute Coordinator: Dr. K V Gangadharan (Mob. No. 9448478752)  
Lab Coordinator(Civil): Dr. Pruthviraj Umesh (Mob. No. 9972797225)

**Virtual Lab Report\_Workshop.docx**  
15K

Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

## Department of Civil Engineering

Vlab Experiments used in the academic courses Virtual Lab details Academic Year 2019-2020

Name of Experiment and Lab in VLab	Name of Lab Course as per Curriculum	No. of Students	Semester & Programme	Name of Course Coordinator
Identification of Minerals	Engineering Geology Lab	30	4th Sem	Nikhil N
Identification of rocks	Engineering Geology Lab	30	4th Sem	Nikhil N
Dip and strike problems	Engineering Geology Lab	30	4th Sem	Nikhil N
Determination of Cd of Venturimeter	FM and Hydraulic Machines	30	4th Sem	Saketh Shetty
Determination of Cd of Orifice Meter	FM and Hydraulic Machines	30	4th Sem	Saketh Shetty
Pelton-turbine	FM and Hydraulic Machines	30	4th Sem	Saketh Shetty
Determination of Hardness	Env Lab	38	6th Sem	Nitesh
Determination of chloride	Env Lab	38	6th sem	Nitesh

Department Coordinator

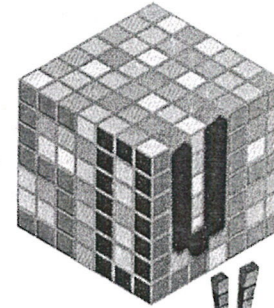
Institute Coordinator

Principal

Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. NIKHIL N  
from AJNET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

*[Signature]*  
Principal

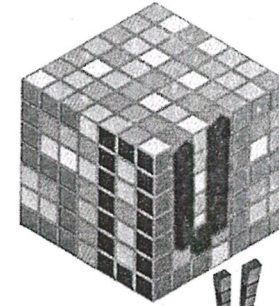
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*[Signature]*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LABS  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. RAKESH M R  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

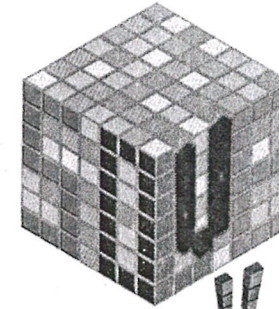
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. JOHN PRAKASH VEIGAS  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

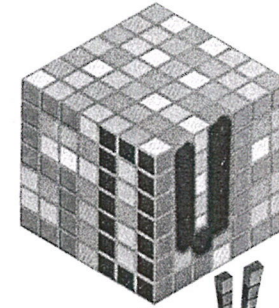
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. SHREYA  
from AJIET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

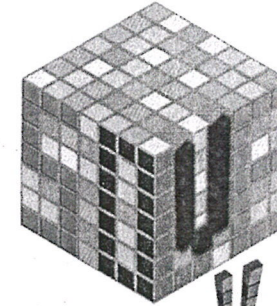
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LABS  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. AYESHA SHAIBA  
from ATIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

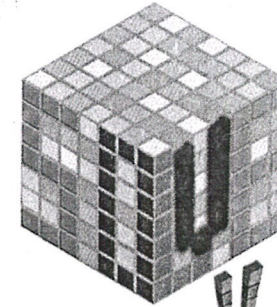
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. DEVADIGA RAMYA MDHAN  
from ATIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

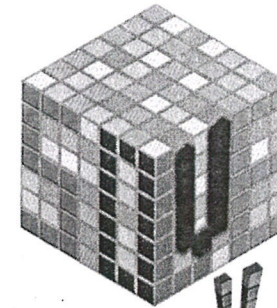
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LABS  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. AMISHA SHETTY  
from AJIT, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

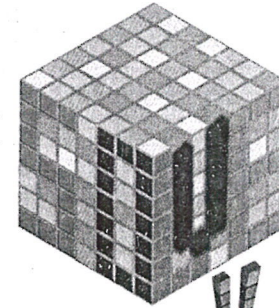
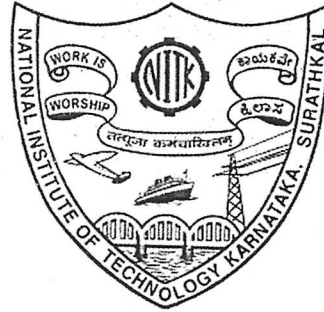
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. MEGHA JOSE  
from AJLET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

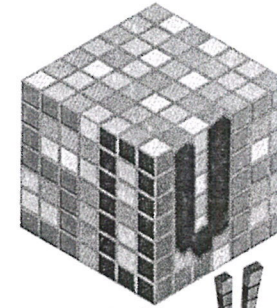
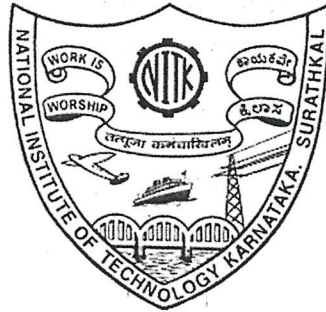
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. PRAISE MON K.A  
from AJJET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

  
Principal

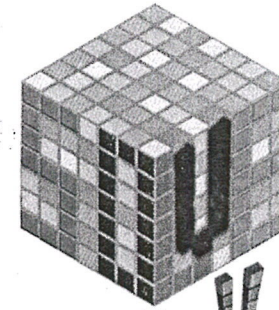
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. LENISH K. J  
from AJIEET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

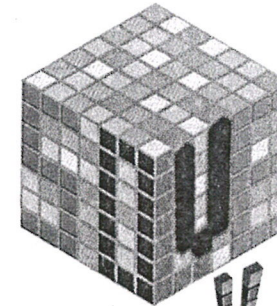
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LABS  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. DWITHI  
from AJET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

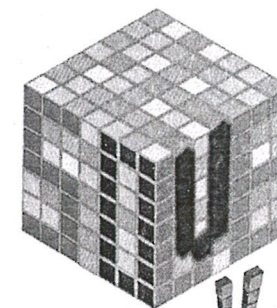
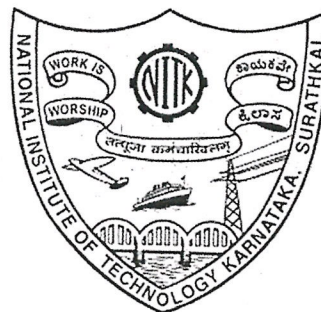
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. CHAITHRASHREE  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11.10.2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

*[Signature]*  
Principal

A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

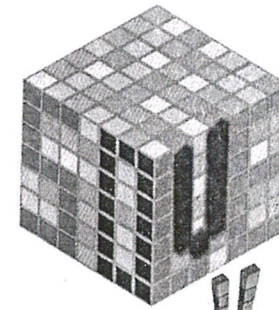
*[Signature]*

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. AISHWARYA  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

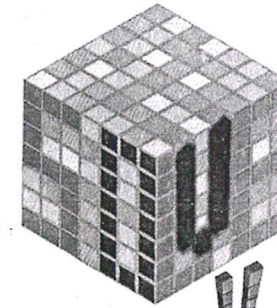
*K*  
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*K. V. Gangadharan*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. YASHASWINI  
from AJIET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11.10.2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

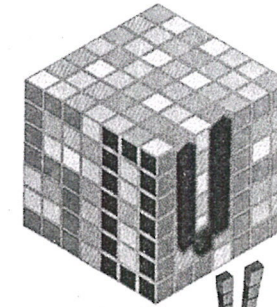
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. ANWITHA KIRAN  
from AJIET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

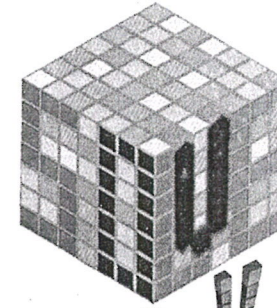
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. AMEENA AFREENA  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11.10.2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

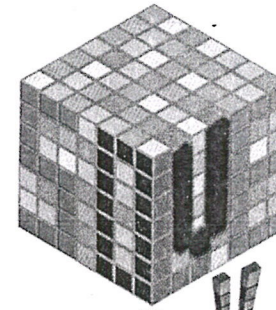
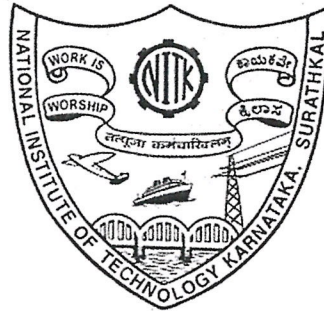
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. AMRITHA  
from AJIET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

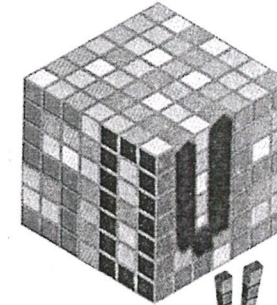
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. AYSHATH SAPREENA  
from AJJET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

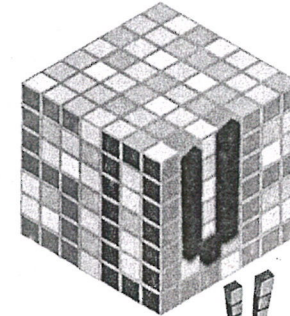
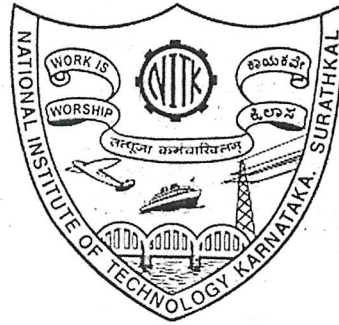
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. NEHA NAIK  
from AJJET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11.10.2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj/U.

Coordinator for SOM & FM lab

*[Signature]*  
Principal

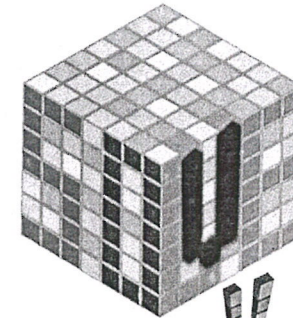
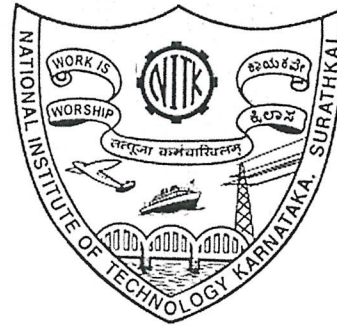
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*[Signature]*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LABS  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. PAVITHRA KARANTH  
from ATJET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

*[Signature]*  
Principal

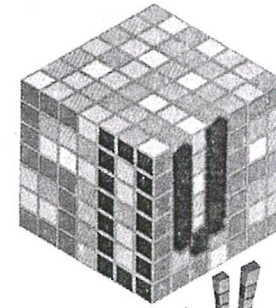
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*[Signature]*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. PRAJNA H RAO  
from AJIET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11.10.2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

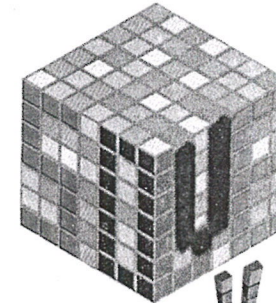
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*K. V. Gangadharan*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

# Certificate

This is to certify that Prof./Dr./Mr./Ms. SHARANYA

from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

*[Signature]*  
Principal

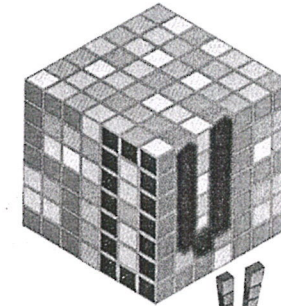
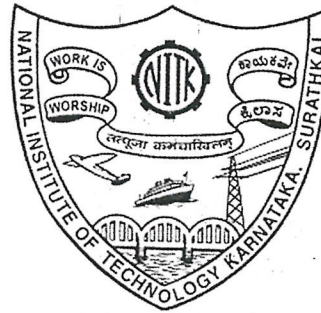
A.J. Institute of Engineering & Technology  
Mangalore - 575 006

*[Signature]*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

# Certificate

This is to certify that Prof./Dr./Mr./Ms. PRATHEEKSHA R SHETTY

from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11.10.2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

*[Signature]*  
Principal

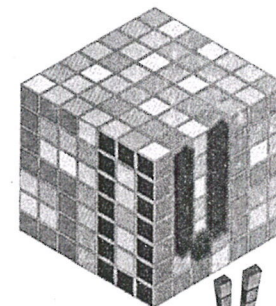
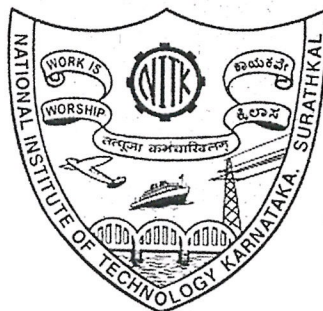
A.J. Institute of Engineering & Technology  
Mangalore - 575 006

*[Signature]*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. RESHMA  
from AJIET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

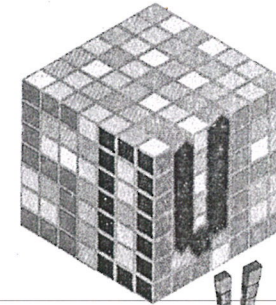
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LABS  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. SONIYA  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11.10.2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

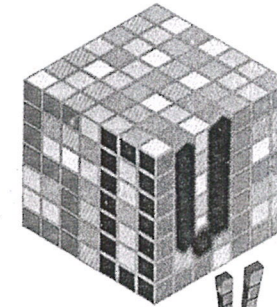
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*K. V. Gangadharan*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. SHREDEVI  
from AJJET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11.10.2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

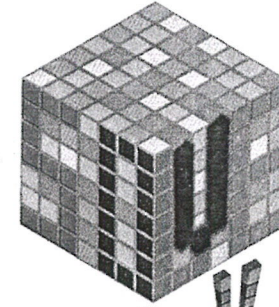
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LABS  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. NAYANA S.K.  
from AJNET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

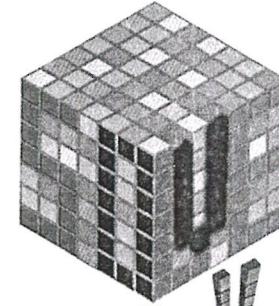
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. MEGHASHREE  
from AJJET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

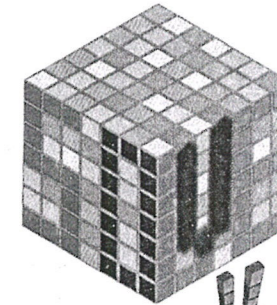
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LABS  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. GINANE SWARNADH SAIPATHI  
from AJJET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

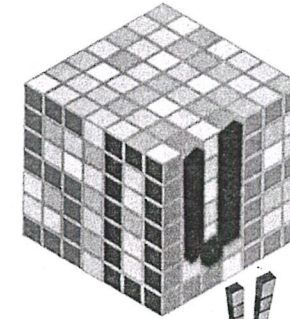
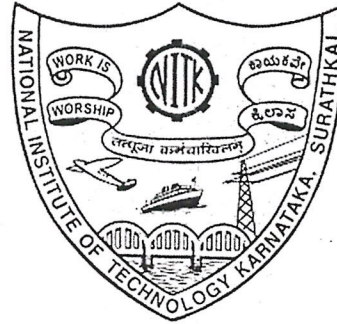
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LABS  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. PRATHEEKSHA H  
from AJIET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11.10.2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

*[Signature]*  
Principal

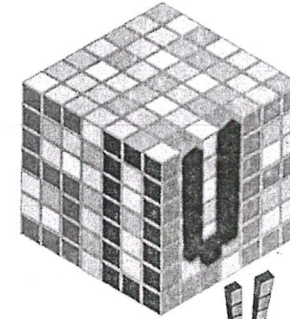
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*[Signature]*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. NITHYA H. N.  
from ATIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11.10.2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

*[Signature]*  
Principal

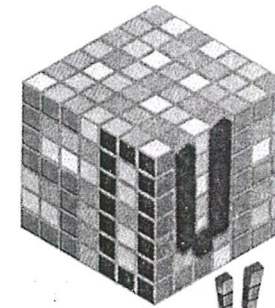
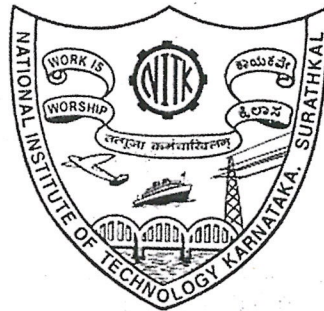
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*[Signature]*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. TANYA MENDON  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

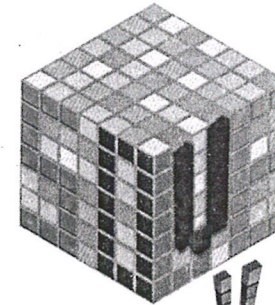
Coordinator for SOM & FM lab

*[Signature]*  
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*[Signature]*  
Dr. K. V. Gangadharan  
Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. PRASAD B G  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11.10.2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

*[Signature]*  
Principal

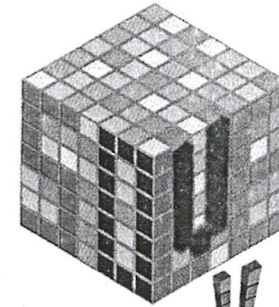
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*[Signature]*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. KRITHI T  
from AJJET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

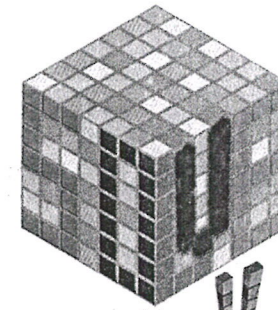
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LABS  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. NIKITA

from AJIET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

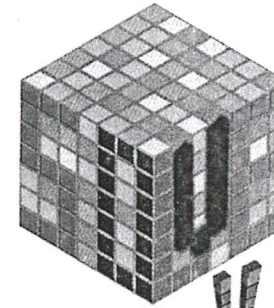
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LABS  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. NAVITHA HEGDE

from AJIET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

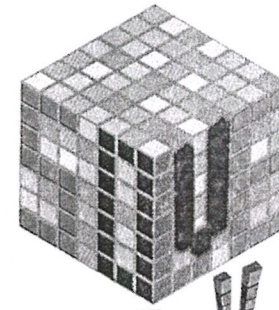
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

# Certificate

This is to certify that Prof./Dr./Mr./Ms. NISHITHA

from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11.10.2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

*[Signature]*  
Principal

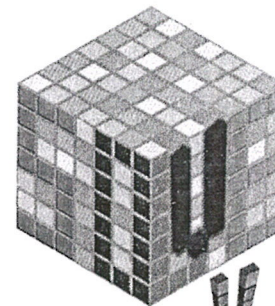
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*[Signature]*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LABS  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. ZUBAIDA SHAIMA  
from AJIEET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

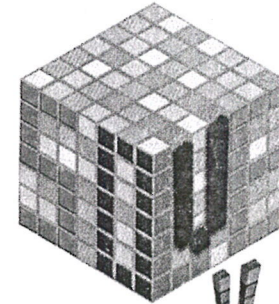
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LABS  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. SWATHI K.S

from AJIET, MANGALORE has attended a workshop on

# Virtual Labs


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

held on 11. 10. 2019 at NITK, Surathkal

  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

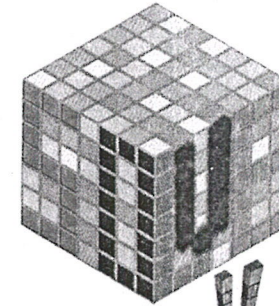


  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LABS  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. PAVITHRA  
from AJJET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

*[Signature]*  
Principal

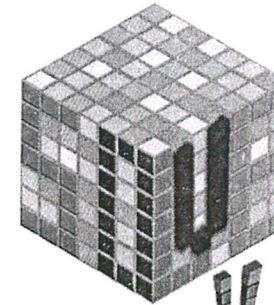
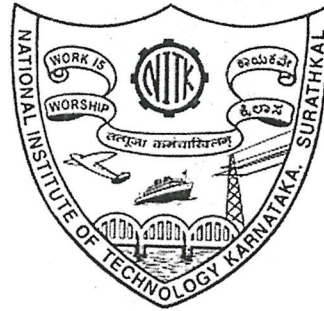
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*[Signature]*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. PAYAL B. U.

from AJIET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

*[Signature]*  
Principal

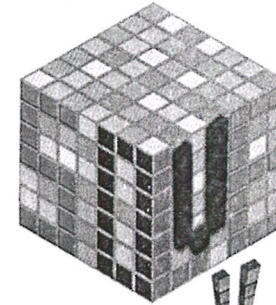
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*[Signature]*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. A. HARITHA SARASWATHI  
from AJIET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

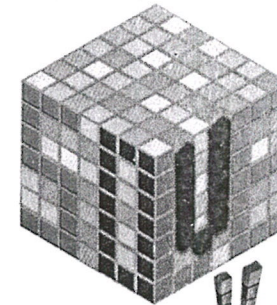
*[Signature]*  
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*[Signature]*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. SAAMIYA  
from AJJET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

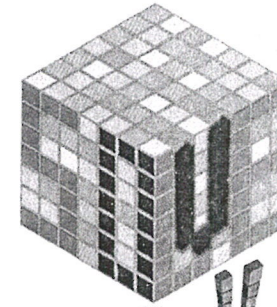
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*K. V. Gangadharan*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. MOHAMMED AINAN  
from AJIET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

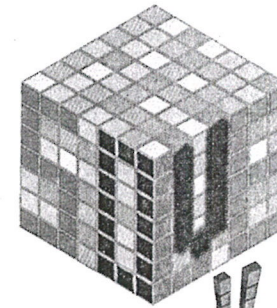
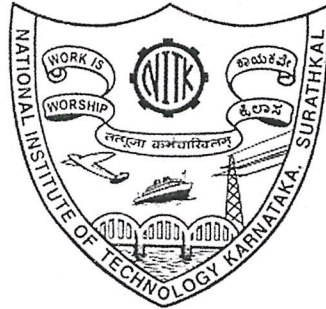
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. SNITHA SHETTY  
from AJJET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

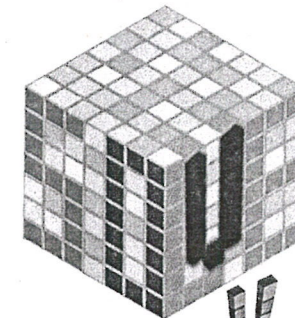
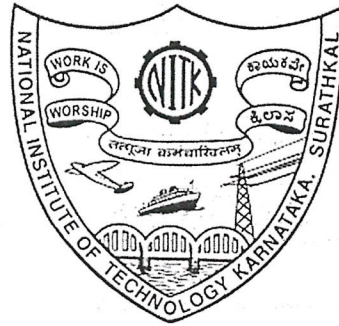
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. SWAPNA  
from AJJET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11.10.2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

*[Signature]*  
Principal

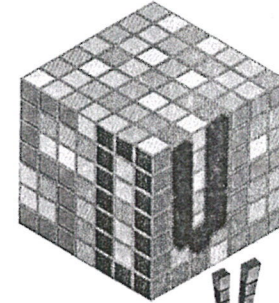
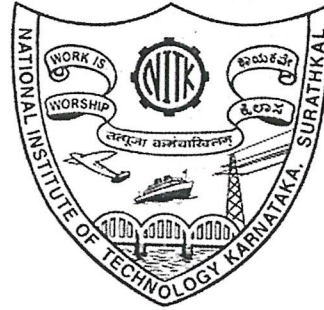
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*[Signature]*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

# Certificate

This is to certify that Prof./Dr./Mr./Ms. RAKSHITHA  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11. 10. 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

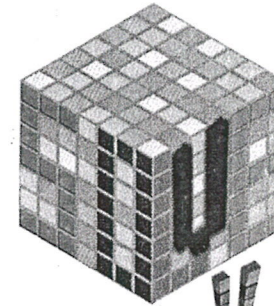
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB.  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. PRATHAP PODJARI  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

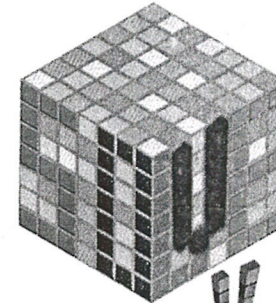
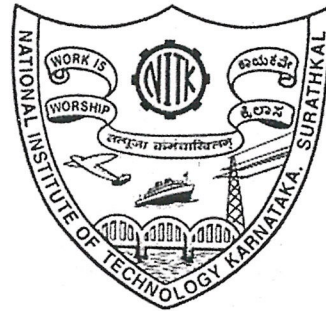
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

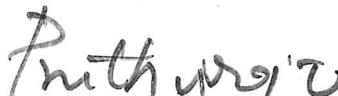
## Certificate

This is to certify that Prof./Dr./Mr./Ms. DHANUSH S SHETTY  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs


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

held on 11-10-2019 at NITK, Surathkal

  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

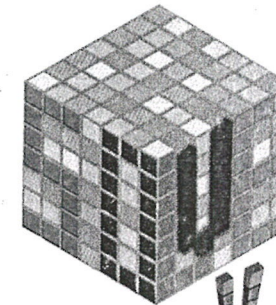
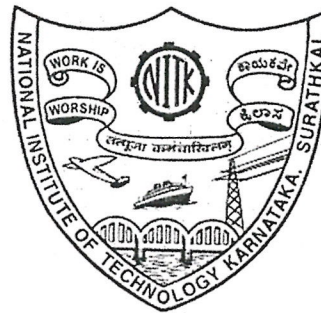
  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

# Certificate

This is to certify that Prof./Dr./Mr./Ms. RAKSHITH UJWAL  
from AJJET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

Dr. Pruthviraj U.

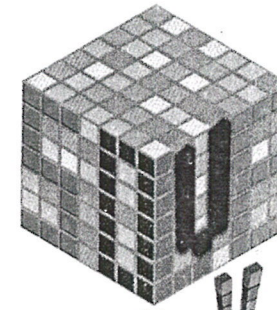
Coordinator for SOM & FM lab

Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan  
Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. MUHAMMAD NIHAL C  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

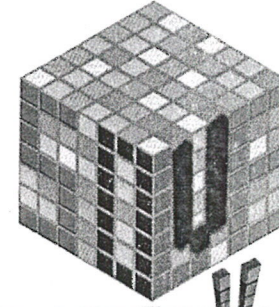
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*K. V. Gangadharan*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. DISHANTH S  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

*[Signature]*  
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

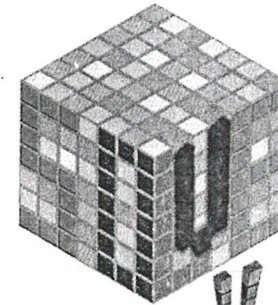
*[Signature]*

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

# Certificate

This is to certify that Prof./Dr./Mr./Ms. ANUJITH SHETTY  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

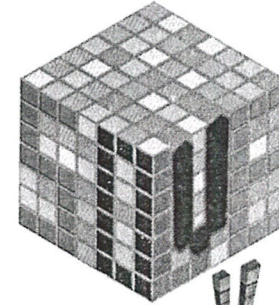
Coordinator for SOM & FM lab

*[Signature]*  
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*[Signature]*  
Dr. K. V. Gangadharan  
Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. HARSHITH KUMAR  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

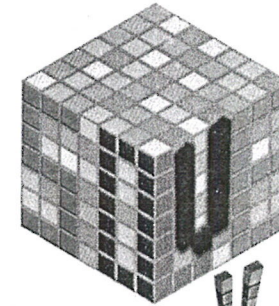
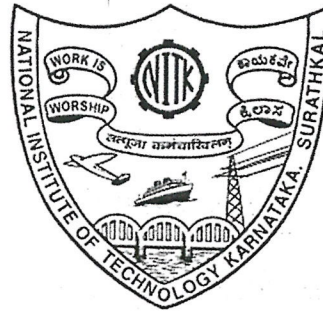
*[Signature]*  
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*[Signature]*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. CHANDAN GUNAGA  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

  
Principal

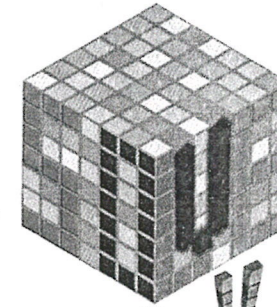
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. SUDISH  
from AJJET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11 - 10 - 2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

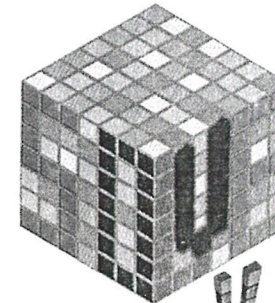
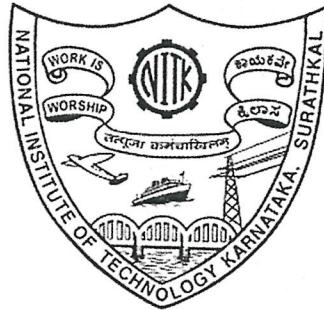
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LABS @ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. ROHIT S  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

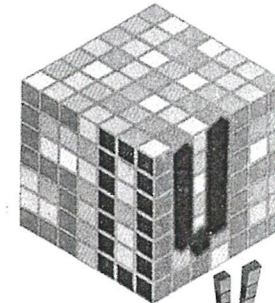
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LABS @ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. SHASHANK  
from AJIET, MANGALORE has attended a workshop on

# Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

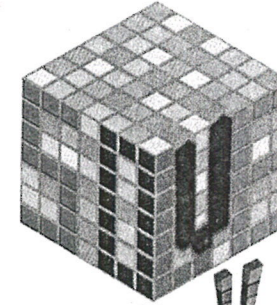
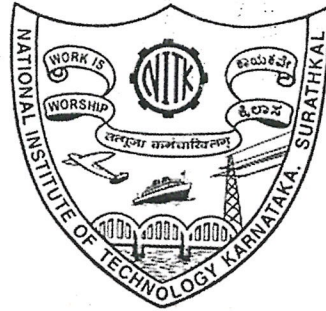
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LABS @ NITK

# Certificate

This is to certify that Prof./Dr./Mr./Ms. SAGAR SHETTY

from AJJET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

*[Signature]*  
Principal

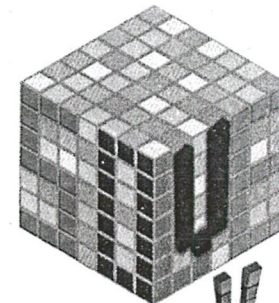
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*[Signature]*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB @ NITK

# Certificate

This is to certify that Prof./Dr./Mr./Ms. MELVIN CHACKO  
from AJIET, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

*Pruthviraj U.*  
Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

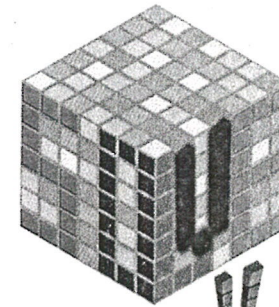
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

*K. V. Gangadharan*  
Dr. K. V. Gangadharan

Participating Institute Coordinator



An MHRD Govt of India Initiative



THE VIRTUAL LAB  
@ NITK

## Certificate

This is to certify that Prof./Dr./Mr./Ms. ABHIJITH P. P.  
from AJETA, MANGALORE has attended a workshop on

## Virtual Labs

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

held on 11-10-2019 at NITK, Surathkal

Dr. Pruthviraj U.

Coordinator for SOM & FM lab

Principal

A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Dr. K. V. Gangadharan

Participating Institute Coordinator