



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust®

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

Ref:AJIET/VLAB/01/2022-23

Date:16.08.2022

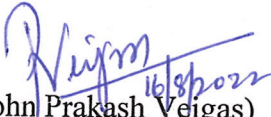
Meeting Circular– Virtual Lab Committee

Virtual Lab committee meeting is scheduled on 17.08.2022 at 10.50 a.m. in the A-305 (3rd Floor, A Block) to discuss the about virtual lab action plan. All the Committee members are requested to attend.

Agenda:





1. Virtual Lab Conduction Progress.
2. Virtual Lab Action Plan
3. Any other related matters.

Venue: Room No A-305, Project Lab, III Floor


(Mr John Prakash Veigas)
Virtual Lab Institute Co-Ordinator


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

Copy to

Sl.No.	Virtual Lab Committee	Signature
1	Mr Harold D'Souza, Asst.Prof-Mech	
2.	Mr. Ganesh U G,Asst.Prof-ECE	
3.	Mrs. Archana S, Asst.Prof-CSE	- on leave -
4.	Ms.Pooja D, Asst.Prof-Civil	
5.	Mrs.Vilma D'Souza, Asst.Prof-Math	

CC to:

- President / Vice President, LMET
- Principal
- HOD's of CSE


ECE - ISE


ME


CIV


First Year



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust

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

Time: 10:50AM

Virtual Lab committee meeting was held on 17.08.2022 at 1.30 PM in A-305, Project Lab, 3rd Floor

The following points were discussed in the meeting:

1. Discussed about the virtual lab conduction in Civil, CSE, ECE, ISE, ME branches along with first year
2. Requested to submit the virtual lab action plan for the Odd semester of the Academic Year 2022-23
3. Informed to maintain virtual lab record and shared the virtual lab record format with new committee members
4. Requested to update the virtual lab conduction details in the Google sheet which is shared with committee members

Members present: 6

Sl.No.	Faculty Name	Signature
1.	Mr John Prakash Veigas, Assco. Prof-ISE	
2	Mr Harold D'Souza, Asst.Prof-Mech	
3	Mr. Ganesh U G, Asst.Prof-ECE	
4	Mrs.Archana S, Asst.Prof-CSE	— on leave —
5	Ms.Pooja D, Asst.Prof-Civil	
6	Mrs.Vilma D' souza, Asst.Prof-Math	

17/08/2022
Institute Virtual Lab Coordinator

Principal

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

CC:

1. President / Vice President, LMET
2. Principal



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust®

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Ref:AJIET/VLAB/02/2022-23

Date:23.11.2022

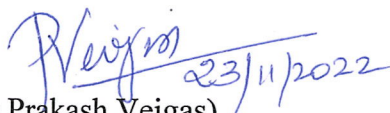
Meeting Circular– Virtual Lab Committee

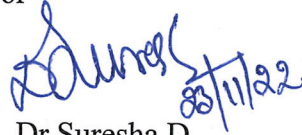
Virtual Lab committee meeting is scheduled on 25.11.2022 at 10.50 a.m. in the A-305 (3rd Floor, A Block) . All the Committee members are requested to attend.

Agenda:

1. Organizing virtual lab visit to NITK Surathkal for I Year Students
2. Virtual Lab Conduction Progress updation
3. Updation of Virtual lab student coordinators
4. Any other related matters.

Venue: Room No A-305, Project Lab, III Floor

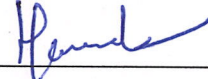
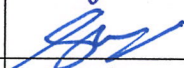
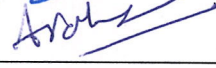
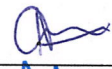


(Mr John Prakash Veigas)
Virtual Lab Institute Co-Ordinator


Dr Suresha D
Chairman


Principal
Principal

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

Copy to

Sl.No.	Virtual Lab Committee	Signature
1	Mr Harold D'Souza, Asst.Prof-Mech	
2.	Mr. Ganesh U G, Asst. Prof-ECE	
3.	Mrs. Archana S, Asst.Prof-CSE	
4.	Ms.Pooja D, Asst.Prof-Civil	
5.	Mrs.Vilma D' souza, Asst.Prof-Math	

CC to:

- President / Vice President, LMET
- Office
- HOD's of CSE ECE ISE ME CIV First Year



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust

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


Ref: AJIET/VLAB/ 3 /2022-23

Date: 19.12.2022

CIRCULAR

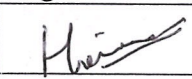
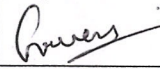
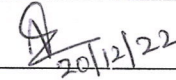

AJIET Virtual Lab committee is conducting virtual lab awareness hands-on demonstration for the first year students. The schedule is as follows:

	Date	Time	Faculty
A Section	22-12-2022	10:00 -11:00 am	Mrs. Pooja D
B Section	23-12-2022	10:00 - 11:00 am.	Mr. Ganesh U G
C Section	22-12-2022	9:00-10:00 am	Mr. John Prakash Veigas ^{ME}
D Section	24-12-2022	9:00-10:00am	Mrs. Vidya Myageri ^{EC}
E Section	23-12-2022	9:00-10:00am	Mr. Herold D' Souza ^{CV}


(Mr John Prakash Veigas)
Virtual Lab Institute Co-Ordinator


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

Copy to

Sl.No.	Virtual Lab Committee	Signature
1	Mr Harold D'Souza, Asst. Prof-Mech	
2.	Mr. Ganesh U G, Asst. Prof-ECE	
3.	Mrs. Vidya Myageri, Asst. Prof-CSE	 20/12/22
4.	Mrs.Pooja D, Asst. Prof-Civil	

CC to:

1. Vice President, LME I
2. HOD's of CSE ECE ISE ME CIV First Year
Coordinator

Name of the Institute: A J Institute of Engineering and Technology **Acronym of Institute:** AJIET

Address: NH-66, Kottara Chowki, Mangaluru-575006

Pin Code: 575006

Latitude: 12.915117

Longitude: 74.8286

Affiliated to: Visvesvaraya Technological University (VTU), Belagavi

Approved By (AICTE/UGC/University): AICTE

Approval Number: No.South-West/1-2846046191

AISHE Code: C-56446

Branch of Engineering / Science	Number of Students	Faculties
a) Civil Engineering	143	10
b) Computer Science	242	13
c) Electronics and Communication	225	14
d) Information Science	241	11
e) Mechanical Engineering	166	11

Total: 1017

Total number of computers available for Virtual Labs use: 200

Internet bandwidth (in mbps): 150Mbps

Name of the Principal: Dr. Shantharama Rai. C

Email: ajengcollege@gmail.com

Mobile: 9480065081

Proposed Nodal Centre Coordinator (NCC): Mr John Prakash Veigas

Email: john.veigas@ajiet.edu.in

Mobile: 9482038836

Department: Information Science and Engineering

It is certified that

- The institute is recognized by the AICTE/UGC.
- The institute has necessary and adequate infrastructure to host the Virtual Labs.
- Strict adherence to standard lab procedures and cyber security laws will be followed.
- Virtual Labs may withdraw/stop connectivity without giving any prior notice or reasons.
- This EOI for Virtual Labs usage is valid up to 31st December 2023 and requires renewal by the coordinating institute for continued support.

Signature & Stamp

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

Date: 30-12-2022

- Send the duly signed SCANNED COPY of this EOI to the Virtual Labs team.
- Keep the HARD COPY with you in a Virtual Labs file for the record.

WORKSHOP REPORT - 2022

NCID | Nodal Centre: AJ Institute of Engineering and Technology

Workshop Date:23/12/2022

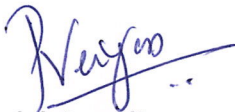
Workshop Type (Online/Offline): Offline

Time	Discipline	Lab / Experiment Demonstrated	No. of Students	No. of Faculty Members	Usage (No. of students faculty members)*No. of Experiments demonstrated
00-10:30 am	Civil (I Year)	Ohm's Law, IZOD & CHARPY Impact test (3 Exp)	29	1	90
10:30-12:00am	ISE (I Year)	ohms law, Python programming lab basics, C Programming (4 Exp)	46	1	188
TOTAL			278		

Nodal Coordinator: Mr John Prakash Veigas

System Support: Mr Chandrakanth

Coordinating Team: Mrs Pooja D, Mr Harold D'souza, Mr Ganesh UG, Mrs Vidya Myageri



Nodal Coordinator
Signature



Head of Institute / Principal
Signature & Stamp

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

WORKSHOP REPORT - 2022

NCID | Nodal Centre: AJ Institute of Engineering and Technology

Workshop Date:22/12/2022


Workshop Type (Online/Offline): Offline

Time	Discipline	Lab / Experiment Demonstrated	No. of Students	No. of Faculty Members	Usage (No. of student's faculty members)*No. of Experiments demonstrated
00-10:30am	Mechanical (I Year)	Computer programming lab, Basic Electronics Lab, Metal Forming Virtual Simulation Lab (4 exp)	33	2	140
10:30-12:00 am	CSE (I Year)	Computer programming lab, Ohm's law Compressive strength of concrete (4 exp)	53	2	220
TOTAL			360		

Nodal Coordinator: Mr John Prakash Veigas

System Support: Mr Chandrakanth

Coordinating Team: Mrs Pooja D, Mr Harold D'souza, Mr Ganesh UG



Nodal Coordinator
Signature



Head of Institute / Principal
Signature & Stamp
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))

ACCREDITED BY NBA (BE : CV, CSE, ECE, ISE & ME)

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 conducted and resource usage details between 12.11.2022 to 15.05.2023

NCID | Nodal Centre: AJ Institute of Engineering and Technology

Workshop Type (Online/Offline): Offline

Time	Discipline	Lab / Experiment Demonstrated	No. of Students	No. of Faculty Members	Usage (No. of student's faculty members) *No. of Experiments demonstrated
22/12/2022 9:00-10:30am	Mechanical (I Year)	Computer programming lab, Basic Electronics Lab, Metal Forming Virtual Simulation Lab (4 exp)	33	2	140
22/12/2022 10:30-12:00 am	CSE (I Year)	Computer programming lab, Ohm's law Compressive strength of concrete (4 exp)	53	2	220
23/12/2022 9:00-10:30 am	Civil (I Year)	Ohm's Law, IZOD & CHARPY Impact test (3 Exp)	29	1	90
23/12/2022 10:30- 12:00am	ISE (I Year)	ohms law, Python programming lab basics, C Programming (4 Exp)	46	1	188
24/12/2022 9:00-10:30 am	E&C (I Year)	Ohm's Law, Computer programming lab functions (4 Exp)	55	2	228
TOTAL			866		

Rajm
15/5/2023
Nodal Coordinator
Signature

[Signature]
Head of Institute / Principal
Principal
Signature & Stamp
A. J. Institute of Engineering and Technology
Mangaluru - 575006



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

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Ref: AJIET/VLAB/4/2022-23

Date: 20/01/2023

A visit to NITKSOLVE: The Virtual Lab - Centre for System Design lab at National Institute of Technology Karnataka, Surathkal is scheduled for the First Year B.E students on the following dates.

Section/Branch	Date
A Section/CSE	23-01-2023, 1:30-4:00pm
B Section/ISE	31-01-2023, 1:30-4:00pm
C Section/ME	25-01-2023, 1:30-4:00pm
D Section/E&C	24-01-2023, 1:30-4:00pm
E Section/Civil	25-01-2023, 1:30-4:00pm

All the students are informed to attend without fail.

[Mr. John Prakash Veigas]
Nodal Coordinator-Virtual Labs

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

A Section	B Section	C Section	D Section	E section

CC to HOD's :

CIVIL	CSE	ECE	ISE	Mechanical	I Year Coordinator

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



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Ref: AJIET/VLAB/5/2022-23

Date: 20/01/2023

CIRCULAR

A visit to NITKSOLVE: The Virtual Lab - Centre for System Design lab at National Institute of Technology Karnataka, Surathkal has been scheduled for the First Year B.E students on the following dates. The following faculties are requested to accompany the students.

Section	Date	Faculty	Sign
A Section	23-01-2023, 1:30-4:00pm	Dr. Shantha Kumari	
		Mrs. Vidya Myageri	
B Section	31-01-2023, 1:30-4:00pm	Mrs. Vishmitha S. Shetty	
		Mrs Pooja D	
C Section	25-01-2023, 1:30-4:00pm	Dr. Sujaya C	
		Mr Harold J DSouza	
D Section	24-01-2023, 1:30-4:00pm	Mrs. Smitha G Kini	
		Mr Ganesh U G	
E Section	25-01-2023, 1:30-4:00pm	Mrs. Vilma D'Souza	

[Mr. John Prakash Veigas]
Nodal Coordinator-Virtual Labs

Chairman

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

CC to HOD's :

CIVIL 	CSE 	ECE 	ISE 	Mechanical 	I Year Coordinator
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Date: 20-12-2022

From,

Mr. John Prakash Veigas

Assistant Professor

Department of 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 Virtual Lab Awareness Program.

We are planning to conduct a Virtual Lab Awareness Program on 22-12-2022 for I Semester A Section. This hands-on session will be helpful for students to understand how to use virtual labs. I request you to grant permission for the same.

Thanking you,

Staff Coordinator

Mr. John Prakash Veigas

John Prakash Veigas
20/12/22

Principal
Principal

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

Date: 23-12-2022

Report on Virtual Lab Awareness Program

Name of the Program:	Virtual Lab awareness workshop	Program Dates & Timings:	22-12-2022 10:30am-12:30p m
Name & Details of the Resource Person:	Mrs Pooja D Asst. Professor Dept. of Civil Engineering AJIET		
Organized by (Clubs/ Dept.)	Virtual Lab Committee		
Number of Participants	Students	53	Faculty 2
Program Outcome (PO) Mapping	PO1, PO2, PO3, PO4, PO5		
Coordinator	Mr John Prakash Veigas		

About the Program:

Hands on awareness to Virtual labs at is organized for the **first semester Computer Science and Engineering students (A section)** of AJ Institute of Engineering and Technology. Resource person has given hands-on demonstration of the virtual lab and briefed about the workshop and its benefits.

The following experiments are demonstrated in the lab: Introduction on Labs, Computer programming lab, Basic Electronics Lab in which ohms law is demonstrated.

Objectives: The program Virtual Lab awareness workshop enable students to

- To create awareness about Virtual lab
- To obtain practical hands on experience on different concepts

Principal

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

To enthuse students to learn basic and advanced concepts through remote experimentation

Outcomes: On successful completion of program student should able to:

1. Tell about the virtual lab facility for remote access to lab resources
2. Illustrate practical hands on demonstration of different concepts
3. Apply basic and advanced concepts through remote experimentation

Articulation Matrix:

Course Outcomes	Program Outcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
1	3				3							
2	3	2	2	2	3							
3	3	2	2	2	3							
Average	3	2	2	2	3							

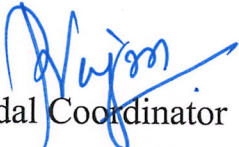
Photos:




Principal

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




Nodal Coordinator


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



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ATTENDANCE RECORD - 2022

NCID | Nodal Centre: *AJ Institute of Engineering & Technology*

Workshop Date: *22-12-2022*

Workshop Type: *Offline*

Resource Person:

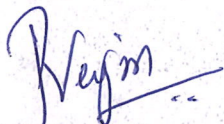
class: 'A' section (I Year)

S. No.	Roll No.	Name	Department	Sign
1.	A25	M. PAANDIYA VARSHINI	CSE	<i>M. Paandiy</i>
2.	A24	KARTHIKA RAJ P	CSE	<i>K. Raj P</i>
3.	A38	PRAKRITHI	CSE	<i>Prakrithi</i>
4.	A54	SHREYA	CSE	<i>Shreya</i>
5.	A50	SHIBANI	CSE	<i>Shibani</i>
6.	A57	THRISHA . U. SHETTY	CSE	<i>Thetty</i>
7.	A55	STHUTHI DOLPADY	CSE	<i>Sthuthi</i>
8.	A56	TANYA . M. SHETTY	CSE	<i>Tanya</i>
9.	A47	SANJANA	CSE	<i>Sanjana</i>
10.	A41	RAKSHITHA ACHARYA	CSE	<i>Rakshitha</i>
11.	A33	NAYANA POOJARY	CSE	<i>Nayana</i>
12.	A48	Sanmitha . S	CSE	<i>Sanmitha</i>
13.	A40	R. Raksha	CSE	<i>Raksha</i>
14.	A22	Justin . P S	CSE	<i>Justin</i>

Principal

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

41	A039	Prekshah K.P	CSE	
42	A49	Shafiqah Sayed	CSE	
43	A60	Vignesh	CSE	
44	A51	Shivakharan J Rai	CSE	
45	A16	Gauresh G. PAI	CSE	
46	A18	Himanshu Hegde	CSE	
47	A27	Milan C.I	CSE	
48	A30	Nandn. B. Deshmukh	CSE	
49	A20	Jnanesh	CSE	
50	A2	Aditya KV	CSE	
51	A1	Akash	CSE	
52	A26	Madhukar	CSE	
53	A63	Yashas	CSE	


Nodal Coordinator
Signature


Head of Institute / Principal
Signature & Stamp

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



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

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

Date: 20-12-2022

From,

Mr. John Prakash Veigas

Assistant Professor

Department of 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 Virtual Lab Awareness Program.

We are planning to conduct a Virtual Lab Awareness Program on 22-12-2022 for the I Semester C Section. This hands-on session will be helpful for students to understand how to use virtual labs. 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

Date: 23-12-2022

Report on Virtual Lab Awareness Program

Name of the Program:	Virtual Lab awareness workshop	Program Dates & Timings:	22-12-2022 9:00am-10:30am
Name & Details of the Resource Person:	Mr John Prakash Veigas Assoc. Professor Dept of ISE, AJIET		
Organized by (Clubs/ Dept.)	Virtual Lab Committee		
Number of Participants	Students	33	Faculty 2
Program Outcome (PO) Mapping	PO1, PO2, PO3, PO4, PO5		
Coordinators	Mr John Prakash Veigas		

About the Program:

Hands on awareness to Virtual labs at is organized for the first semester students (C section) of AJ Institute of Engineering and Technology. Resource person has given hands-on demonstration of the virtual lab and briefed about the workshop and its benefits.

The following experiments are demonstrated in the lab: Introduction on Labs, Computer programming lab, Basic Electronics Lab, METAL FORMING VIRTUAL SIMULATION LAB

Objectives: The program Virtual Lab awareness workshop enable students to

- To create awareness about Virtual lab
- To obtain practical hands on experience on different concepts

To enthuse students to learn basic and advanced concepts through remote experimentation

Outcomes: On successful completion of program student should able to:

1. Tell about the virtual lab facility for remote access to lab resources
2. Illustrate practical hands on demonstration of different concepts
3. Apply basic and advanced concepts through remote experimentation

Articulation Matrix:


Course Outcomes	Program Outcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
1	3				3							
2	3	2	2	2	3							
3	3	2	2	2	3							
Average	3	2	2	2	3							

Photos:






Coordinator


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



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ATTENDANCE RECORD - 2022

NCID | Nodal Centre: *AJ Institute of Engineering and Technology*

Workshop Date: *22-12-2022*

Workshop Type: *offline*

class: C Section (I yr)

S. No.	Roll No.	Name	Department	Sign
1	19	MONITH K	Mechanical	<i>[Signature]</i>
2	24	Nikhil - Kochrekar	Mechanical	<i>[Signature]</i>
3	13	Henok C.S	Mechanical	<i>[Signature]</i>
4	30	Salim Ayush	Mechanical	<i>[Signature]</i>
5	33	Sathvik.S	Mechanical	<i>[Signature]</i>
6	03	AKASH.B. SHETTY	Mechanical	<i>[Signature]</i>
7	16	JOYAL KUNJUMON	Mechanical	<i>[Signature]</i>
8	29	Sachin.S.M	Mechanical	<i>[Signature]</i>
9	14	ISHAN AHMED	Mechanical	<i>[Signature]</i>
10	18	AS MOHAMMAD ASHIK	Mechanical	<i>[Signature]</i>
11	5	Ajun Sanil Kumar P	Mechanical	<i>[Signature]</i>
12	01	Aasheel -T	Mechanical	<i>[Signature]</i>
13	7	C.S. Sendarajith	Mechanical	<i>[Signature]</i>
14	26	Pranam.R	Mechanical	<i>[Signature]</i>

Principal



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

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Date: 20-12-2022

From,

Mr. John Prakash Veigas

Assistant Professor

Department of 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 Virtual Lab Awareness Program.

We are planning to conduct a Virtual Lab Awareness Program on 23-12-2022 for I Semester B Section. This hands-on session will be helpful for students to understand how to use virtual labs. 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

Date: 24-12-2022

Report on Virtual Lab Awareness Program

Name of the Program:	Virtual Lab awareness workshop	Program Dates & Timings:	23-12-2022 10:30am -12 pm	
Name & Details of the Resource Person:	Mr Ganesh U G Asst. Professor Dept of E&C Engg, AJIET			
Organized by (Clubs/ Dept.)	Virtual Lab Committee			
Number of Participants	Students	46	Faculty	2
Program Outcome (PO) Mapping	PO1, PO2, PO3, PO4, PO5			
Coordinator	Mr John Prakash Veigas			

About the Program:

Hands on awareness to Virtual labs at is organized for the **first semester Information Science and Engineering students (B-section)** of AJ Institute of Engineering and Technology. Resource person has given hands-on demonstration of the virtual lab and briefed about the workshop and its benefits.

The following experiments are demonstrated in the lab: Introduction on Labs, ohms law, Python programming lab basic.

Objectives: The program Virtual Lab awareness workshop enable students to

- To create awareness about Virtual lab
- To obtain practical hands on experience on different concepts
- To enthuse students to learn basic and advanced concepts through remote experimentation

Outcomes: On successful completion of program student should able to:

Tell about the virtual lab facility for remote access to lab resources


1. Illustrate practical hands on demonstration of different concepts
2. Apply basic and advanced concepts through remote experimentation

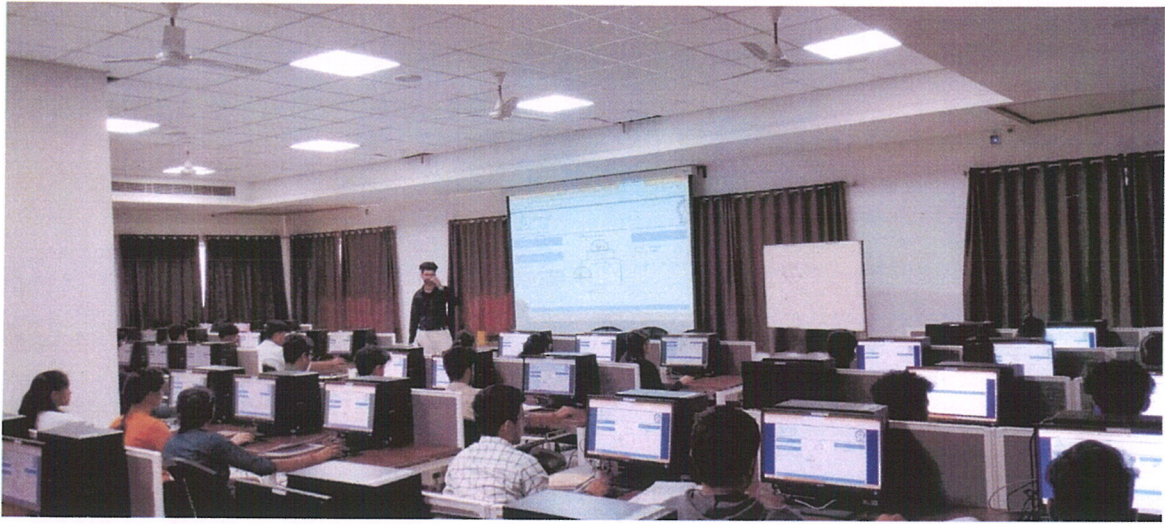
Articulation Matrix:

Course Outcomes	Program Outcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
1	3				3							
2	3	2	2	2	3							
3	3	2	2	2	3							
Average	3	2	2	2	3							

Photos:




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



Nayana

Nodal Coordinator

N

Principal

Principal

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



An MoE Govt of India Initiative

ATTENDANCE RECORD - 2022

NCID | Nodal Centre: *AJ Institute of Engineering*

Workshop Date: *23-12-2022*

Workshop Type: *Offline demonstration*

Resource person: *Prof. Ganesh UG.*

Class: B Section I Year

S. No.	Roll No.	Name	Department	Sign
1	26	Hithaishi.M.V	ISE	<i>[Signature]</i>
2	5	Amrutha G.y	ISE	<i>[Signature]</i>
3	19	Dhanyashree.N	ISE	<i>[Signature]</i>
4	13	Chandana	ISE	<i>[Signature]</i>
5	15	Rusha	ISE	<i>[Signature]</i>
6	61	Vaishali.V.	ISE	<i>[Signature]</i>
7	41	Panchami	ISE	<i>[Signature]</i>
8	47	Pratheeksha.R.Puthran	ISE	<i>[Signature]</i>
9	45	Poorvika.shetty	ISE	<i>[Signature]</i>
10	34	Mohammed Faheem	ISE	<i>[Signature]</i>
11	37	Mohammed Kalander	ISE	<i>[Signature]</i>
12	42	Pavan.M.C	ISE	<i>[Signature]</i>
13	50	Rohith.K	ISE	<i>[Signature]</i>
14	04	Akash K.R	ISE	<i>[Signature]</i>

Principal

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

15	31 31	Mohammad Linnan.	ISE	Linnan
16	32	Mohammad	ISE	Jeff-
17	33	Mohammed Irfan	ISE	Irfan
18	51 51	Sameeksha	ISE	Samity
19	48 48	Rachana	ISE	Rachana
20	39	Nischal. Shetty	ISE	Nischal
21	46	Pratham Rai	ISE	Pratham
22	25	Harthak. S. Poonja	ISE	Harthak
23	10	Bhavith	ISE	Bhavith
24	63	Vikhyath. V. Shetty	ISE	Vikhyath
25	12	Chaitanya	ISE	Chait
26	07	Arpita	ISE	Arpita
27	33	Shiban	ISE	Shiban
28	27	Razik	ISE	Razik
29	23	Gaurav T. Savil	ISE	Gaurav
30	17 17	Dhanya M.	ISE	Dhanya
31	16 16	Dhanya. N	ISE	Danya
32	21 21	Esha V Shetty	ISE	Esha
33	11 11	Breejesh	ISE	Breejesh
34	24 24	Gaurav Deep	ISE	Gaurav
35	44	Daiwik	ISE	Daiwik
36	60	Thrisha	ISE	Thrisha
37	06	Ankitha. R. Devadiga	ISE	Ankitha
38	52	Sarvi. S. Bhandary	ISE	Sarvi
39	62	Valshnavi. P. Poojar	ISE	Valshnavi
40	53	Shallen Crisse Sequira	ISE	Shallen

Principal

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



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

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Date: 20-12-2022

From,

Mr. John Prakash Veigas

Assistant Professor

Department of 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 Virtual Lab Awareness Program.

We are planning to conduct a Virtual Lab Awareness Program on 23-12-2022 for I Semester E Section. This hands-on session will be helpful for students to understand how to use virtual labs. 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

Date: 24-12-2022

Report on Virtual Lab Awareness Program

Name of the Program:	Virtual Lab awareness workshop	Program Dates & Timings:	23-12-2022 9:00am-10:30am
Name & Details of the Resource Person:	Mr Harold J D'Souza Asst. Professor Dept. of Mechanical Engineering AJIET		
Organized by (Clubs/ Dept.)	Virtual Lab Committee		
Number of Participants	Students	29	Faculty 2
Program Outcome (PO) Mapping	PO1, PO2, PO3, PO4, PO5		
Coordinators	Mr John Prakash Veigas		

About the Program:

Hands on awareness to Virtual labs at is organized for the first semester students of Civil Engineering students (E-section) of A J Institute of Engineering and Technology. Resource person has given hands-on demonstration of the virtual lab and briefed about the workshop and its benefits.

The following experiments are demonstrated in the lab: Introduction on Labs, Ohm's Law, IZOD & CHARPY Impact test

Objectives: The program Virtual Lab awareness workshop enable students to

- To create awareness about Virtual lab
- To obtain practical hands on experience on different concepts

To enthuse students to learn basic and advanced concepts through remote experimentation

Outcomes: On successful completion of program student should able to:

1. Tell about the virtual lab facility for remote access to lab resources
2. Illustrate practical hands on demonstration of different concepts
3. Apply basic and advanced concepts through remote experimentation

Articulation Matrix:

Course Outcomes	Program Outcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
1	3				3							
2	3	2	2	2	3							
3	3	2	2	2	3							
Average	3	2	2	2	3							

Photos:



Principal

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



Nodal Coordinator


Principal

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



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ATTENDANCE RECORD - 2022

NCID | Nodal Centre: *AJ Institute of Engineering & Technology*

Workshop Date: *23-12-2022*


Workshop Type: *offline demonstration*

Resource Person: *Prof. Harold J. D'Souza* . class: *E Section I Year*

S. No.	Roll No.	Name	Department	Sign
1	14	Kastik A. Naik	Civil	<i>[Signature]</i>
2	33	Nagoraj	Civil	<i>[Signature]</i>
3	20	Omkar. Desai	Civil	<i>[Signature]</i>
4	06	chandan. P	Civil	<i>[Signature]</i>
5	03	Anamika Rao	Civil	<i>[Signature]</i>
6	25	Kanjitha. B.G	Civil	<i>[Signature]</i>
07	29	Brushiti m.s	Civil	<i>[Signature]</i>
8	05	Anusha Jyothish	Civil	<i>[Signature]</i>
9	13	Jomal P.S	Civil	<i>[Signature]</i>
10	19	Manudhula P.R.	Civil	<i>[Signature]</i>
11	28	Sivapajya. EN	Civil	<i>[Signature]</i>
12	21	Pavithra K	Civil	<i>[Signature]</i>
13	02	Abobaker Sahaed	Civil	<i>[Signature]</i>
14	30	Sudansan. v.s	Civil	<i>[Signature]</i>

Principal

15	11	Jeevitha-M.M	Civil	Jeevitha
16	26	Shivananda.G.Lamrani	Civil	Shivananda
17	10	Ithisham Farhaan Ahmad	Civil	Ithisham
18	24	Shivanand, M. Lamrani	Civil	Shivanand
19	22	Pradeep	Civil	Pradeep
20	18	Mohammed Sinan	Civil	Mohammed Sinan
21	17	Mahammad Noufal	Civil	Mahammad Noufal
22	04	Ankitha. R	Civil	Ankitha. R
23	31	Trisha.K	Civil	Trisha.K
24	01	A.UMA MAHESHWARI	Civil	A.UMA MAHESHWARI
25	12	Jeevitha	Civil	Jeevitha
26	32	Widya.M.	Civil	Widya.M.
27	25	Rishik Rouen	Civil	Rishik Rouen
28	23	Rakesh. Shybal	Civil	Rakesh. Shybal
29	08	Deekshitha.Y. Kottion	Civil	Deekshitha.Y. Kottion


 Nodal Coordinator
 Signature
 23/12/2022


 Head of Institute / Principal
 Signature & Stamp

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



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

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Date: 20-12-2022

From,

Mr. John Prakash Veigas

Assistant Professor

Department of 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 Virtual Lab Awareness Program.

We are planning to conduct a Virtual Lab Awareness Program on 24-12-2022 for I Semester D Section. This hands-on session will be helpful for students to understand how to use virtual labs. I request you to grant permission for the same.

Thanking you,

Staff Coordinator

Mr. John Prakash Veigas

John Prakash Veigas
20/12/2022

Principal

Principal

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



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ATTENDANCE RECORD - 2022

NCID | Nodal Centre: John Prakash Veigas

Workshop Date: 24-12-2023

Workshop Type: offline

Resource Person: Mrs. Vidya myageri

class: D Section (I Year)

S. No.	Roll No.	Name	Department	Sign
1)	62	Yathish	ECE	Yathish
2)	22	Karthik	ECE	Karthik
3)	50	Shravan	ECE	Shravan
4)	34	Pravard	ECE	Pravard
5)	37	Rajesh	ECE	Rajesh
6)	42	Rithick	ECE	Rithick
7)	54	Sujal	ECE	Sujal
8)	19	VARSHA	ECE	Varsha
9)	08	ASHIK	ECE	Ashik
10)	30	Mithresh	ECE	Mithresh
11)	11	Chirag Shetty	ECE	Chirag S.
12)	53	Srujan HM	ECE	Srujan
13)	39	RAKSHAN A. SHETTY	ECE	Rakshan
14)	33	Nesar S Shetty	ECE	Nesar

Principal

15)	12	Chirayu P	ECE	Chid
16)	60	V. Jayash	ECE	Jayash
17)	28	Likhith	ECE	Likhith
18)	24	Koushik	ECE	Koushik
19)	55	Jushanth	ECE	Jush
20)	58	THEJAS JP	ECE	Thejas JP
21)	21	Karan Bhandary	ECE	Karan
22)	45	SHARANU	ECE	Sharanu
23	04	Anitta Jolly	ECE	Anitta
24	17	Dhamp Nair AS	ECE	Dhamp Nair AS
25)	51	Sneha	ECE	Sneha
26	47	Shravya B.J	ECE	Shravya
27	05	Ankita M. Naik	ECE	Ankita
28)	15	Deepa J. Shetty	ECE	Deepa
29)	31	Namitha	ECE	Namitha
30)	25	Kripesh Kumar	ECE	Kripesh
31)	48	Shouharan	ECE	Shouharan
32)	46	Shobhith kumar S.	ECE	Shobhith
33)	61	Vivek Rai R	ECE	Vivek
34.	59	Trishul	ECE	Trishul
35.	23	Kavana	ECE	Kavana
36)	43	Saakshi M S	ECE	Saakshi
37)	57	Thanisha	ECE	Thanisha
38)	44	Sakshi S	ECE	Sakshi
39)	52.	Soojanya.	ECE	Soojanya
40.	09.	B.Vedakshi	ECE	B.Vedakshi

Date: 26-12-2022

Report on Virtual Lab Awareness Program

Name of the Program:	Virtual Lab awareness workshop	Program Dates & Timings:	24-12-2022 9:00am-10:30am
Name & Details of the Resource Person:	Mrs Vidya Mayageri Asst. Professor Dept. of CSE AJIET		
Organized by (Clubs/ Dept.)	Virtual Lab Committee		
Number of Participants	Students	Faculty	
Program Outcome (PO) Mapping	PO1, PO2, PO3, PO4, PO5		
Coordinators	Mr John Prakash Veigas		

About the Program:

Hands on awareness to Virtual labs at is organized for the first semester students (C section) of AJ Institute of Engineering and Technology. Resource person has given hands-on demonstration of the virtual lab and briefed about the workshop and its benefits.

The following experiments are demonstrated in the lab: Introduction on Labs, Computer programming lab, Sorting and Searching, Ohms Law

Objectives: The program Virtual Lab awareness workshop enable students to

- To create awareness about Virtual lab
- To obtain practical hands on experience on different concepts
- To enthuse students to learn basic and advanced concepts through remote experimentation

Outcomes: On successful completion of program student should able to:

1. Tell about the virtual lab facility for remote access to lab resources
2. Illustrate practical hands on demonstration of different concepts
3. Apply basic and advanced concepts through remote experimentation

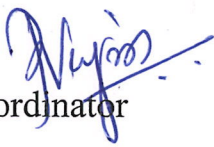
Articulation Matrix:

Course Outcomes	Program Outcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
1	3				3							
2	3	2	2	2	3							
3	3	2	2	2	3							
Average	3	2	2	2	3							

Photos:






Coordinator


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



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

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Date: 20-1-2023

From,

Mr. John Prakash Veigas

Assistant Professor

Department of 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 Visit NITK to solve problems using Virtual Lab

We are planning to **Visit NITK to solve problems using Virtual Lab 23-1-2023** for I Semester A Section. This hands-on session will be helpful for students to understand how to use virtual labs. I request you to grant permission for the same.

Thanking you,

Staff Coordinator

Mr. John Prakash Veigas


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)

Date: 24-01-2023

Report on NITK Solve Virtual Lab Visit and Worksop

Name of the Program:	Visit to NITK Solve Virtual Lab	Program Dates & Timings:	23-01-2023 1:30PM-4:30PM
Name & Details of the Resource Person:	Prof.K.V. Gangadharan, Professor-Mechanical Engineering Head - Centre for System Design NIT Karnataka, Surathkal Participating Institute Coodrinator-Virtual Labs Mr. Siya Sushil Ms. Shreshta Ms. Prajana		
Organized by (Clubs/ Dept.)	Virtual Lab Committee		
Number of Participants	Students	56	Faculty 2
Program Outcome (PO) Mapping	PO1, PO2, PO3, PO4, PO5		
Coordinator	Mr John Prakash Veigas		

About the Program:

A Visit to SOLVE Virtual Labs NIT Karnataka, Surathkal and Introductory workshop Virtual labs is organized for the first-semester **first semester Computer Science and Engineering students (A section)** of AJ Institute of Engineering and Technology. Resource person gave a hands-on demonstration of the virtual lab and briefed about the workshop and its benefits.

The following experiments are demonstrated in the lab: Introduction on Labs, Computer programming lab, Basic Electronics Lab in which ohms law is demonstrated, Data Structure Lab in which stack concept demonstrated.

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Mangaluru - 575 006

Students are accompanied by Mrs Vidya Myageri, Asst. Professor from CSE department and class advisor Dr Shantha Kumari, Professor, department of Mathematics, AJIET.

Objectives: The program Virtual Lab awareness workshop enable students to

- To create awareness about Virtual lab
- To obtain practical hands on experience on different concepts
- To enthuse students to learn basic and advanced concepts through remote experimentation

Outcomes: On successful completion of program student should able to:

1. Tell about the virtual lab facility for remote access to lab resources
2. Illustrate practical hands on demonstration of different concepts
3. Apply basic and advanced concepts through remote experimentation

Articulation Matrix:

Course Outcomes	Program Outcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
1	3				3							
2	3	2	2	2	3							
3	3	2	2	2	3							
Average	3	2	2	2	3							

Photos:



Principal



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



Nodal Coordinator
Mr John Prakash Veigas

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



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VISIT TO SOLVE The Virtual Lab at NITK Surathkal

ATTENDANCE RECORD

NCID | Nodal Centre: AJIET

Workshop Date: 28/01/2023

Workshop Type: OFFLINE

Class: I year CSE - 'A Section'

S. No.	Roll No.	Name	Department	Sign
01	A04	AFTHAB ABDULLA M.A	CSE	
02	A29	MUHAMMED ISHRAEQ	CSE	
03	A07	Amal Nahath. N	CSE	
04	A05	AKHIL.A	CSE	
05	A12	DEEKSHITH.V	CSE	
06	A13	DEVANAND.P	CSE	
07	A63	YASHAS KUMAR	CSE	
08	A06	ALOK.YADAV	CSE	
09	A01	AKASH SHARMA	CSE	
10	A16	Gauresh G. Pai	CSE	
11	A34	Hcha trahesh	CSE	
12	A49	Shafiqah M Sayed	CSE	
13	A24	Kantbika Raj P	CSE	
14	A25	M. Pandhriya Vanshini	CSE	

Principal

A.J. Institute of Engineering & Technology

Mangalore 575 006

42	A48	SANMITHA.S	CSE	
43	A52	Shreepathi	CSE	
44	A60	Vignesh	CSE	
45	A62	Vivek.M.P	CSE	
46	A31	Navaneeth.k	CSE	
47	A30	Nandan.B.Deshamukh	CSE	
48	A18	Himanshu Hegde	CSE	
49	A27	Milan.C.T	CSE	
50	A61	Vishnu.C	CSE	
51	A10	Anston Anand	CSE	
52	A21	Joyel George	CSE	
53	A03	Adon Mathew Joseph	CSE	
54	A02	Adith K.V	CSE	
55	A45	Sagar Sults	CSE	
56	A26	Madhukar.KS	CSE	

Accompanying Faculty Name & sign: 1. Dr. Shantha Kumari. K.

2. Mrs. Vidya.M

Nodal Coordinator
Signature

Head of Institute / Principal
Signature & Stamp

Workshop on Virtual lab at SOLVE LAB, NITK Surathkal 23-01-2023 - A Section I Year CSE

Organized by Virtual Lab Committee AJ Institute of Engineering & Technology, Mangalore

1. Student Name

2. The goals of the Virtual lab visit to NITK were attained

Mark only one oval.

Strongly Agree

Agree

Neutral

Disagree

3. The presenters at Virtual Lab NITK were well organized


Mark only one oval.

Strongly Agree

Agree

Neutral

Disagree


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

8. Were the objectives of the visit communicated to you?

Mark only one oval.

Yes

No

9. Did the visit meet all of its stated objectives?

Mark only one oval.

Yes

No

10. Are you committed to implementing at least one of the recommendations or objectives learnt?

Mark only one oval.

Yes

No

11. Are you happy with the visit and arrangements made for the visit?

Mark only one oval.

Yes

No

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Google Forms


Principal

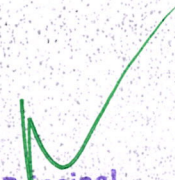
A.J. Institute of Engineering & Technology

11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

Workshop on Virtual lab at SOLVE LAB,NITK Surathkal 23-01-2023 - A Section I Year CSE

21 responses

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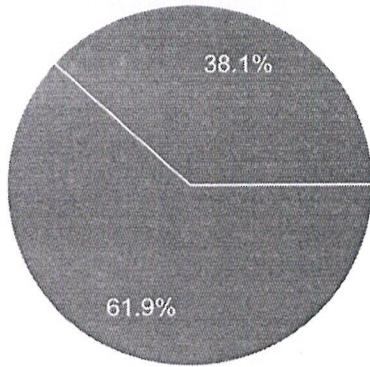

Principal
A.J. Institute of Engineering & Technology
Mangaluru - 575 006



The goals of the Virtual lab visit to NITK were attained

 Copy

21 responses

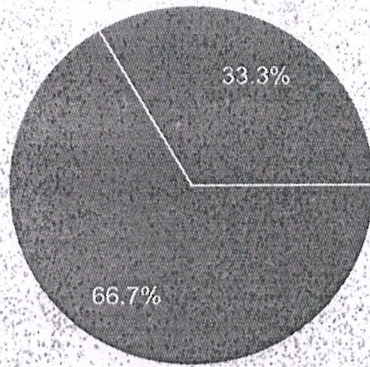


- Strongly Agree
- Agree
- Neutral
- Disagree

The presenters at Virtual Lab NITK were well organized

 Copy

21 responses

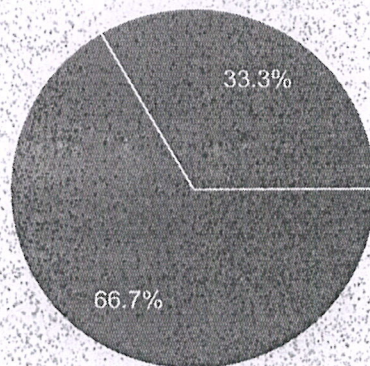


- Strongly Agree
- Agree
- Neutral
- Disagree


The presenters explained the respective topics

 Copy

21 responses



- Strongly Agree
- Agree
- Neutral
- Disagree

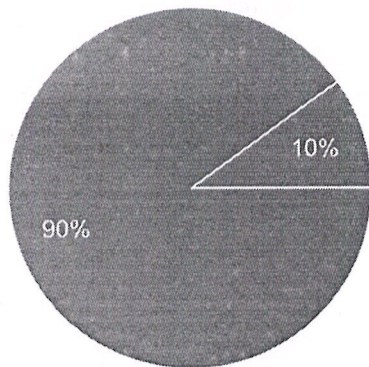

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A. J. Institute of Engineering & Technology
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Were the objectives of the visit communicated to you?

 Copy

20 responses

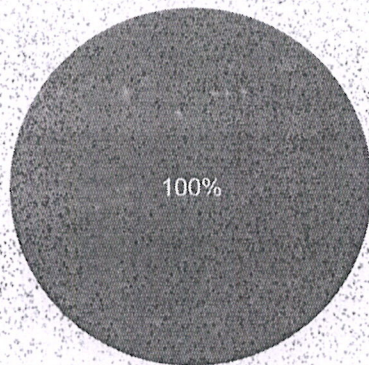


- Yes
- No

Did the visit meet all of its stated objectives?

 Copy

20 responses

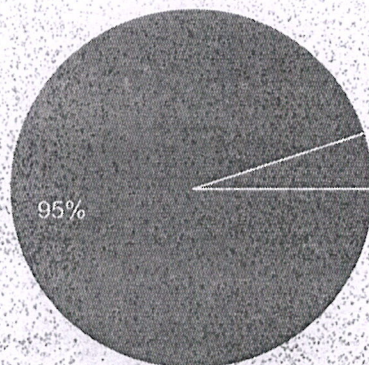


- Yes
- No

Are you committed to implementing at least one of the recommendations or objectives learnt?

 Copy

20 responses



- Yes
- No





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Date: 21-1-2023

From,

Mr. John Prakash Veigas

Assistant Professor

Department of 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 Visit NITK to solve problems using Virtual Lab

We are planning to **Visit NITK to solve problems using Virtual Lab** 24-1-2023 for I Semester D Section. This hands-on session will be helpful for students to understand how to use virtual labs. I request you to grant permission for the same.

Thanking you,

Staff Coordinator

Mr. John Prakash Veigas

John Prakash Veigas
21/1/23

Principal

Principal

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

Date: 25-01-2023

Report on NITK SOLVE Virtual Lab Visit and Workshop

Name of the Program:	Visit to NITK Solve Virtual Lab	Program Dates & Timings:	24-01-2023 1:30pm-4:30pm
Name & Details of the Resource Person:	Prof. K.V. Gangadharan - Professor-Mechanical Engineering Head - Centre for System Design NIT Karnataka, Surathkal Participating Institute Coordinator-Virtual Labs Mr Siya Sushil - Research Scholar Ms. Shreshta - Research Scholar Ms. Prajana - Research Scholar Mr. Rakshith – Research Scholar		
Organized by (Clubs/ Dept.)	Virtual Lab Committee		
Number of Participants	Students	50	Faculty 2
Program Outcome (PO) Mapping	PO1, PO2, PO3, PO4, PO5		
Coordinator	Mr John Prakash Veigas		

About the Program:

A Visit to SOLVE Virtual Labs NIT Karnataka, Surathkal and Introductory workshop Virtual labs at is organized for the first-semester **Electronics and Communication Engineering students (D-Section)** of A. J. Institute of Engineering and Technology. Resource person has given a hands-on demonstration of the virtual lab and briefed about the workshop and its benefits. The following experiments are demonstrated in the lab: Basic Electronics Virtual Lab ohms law, Industrial Electric Drives Lab, Digital Electronics Lab etc.

Research scholars conducted a tour of ongoing studies (with demonstration) in a variety of fields, including 3-D printing, laser cutting, electric vehicles with two and three wheelers, virtual reality, and unmanned aerial vehicles.

Principal

are accompanied by Prof. Prakash K Shetty, Assoc. Professor from E&C department and Dr Sujaya C from Physics department of AJIET.

Objectives: The program Virtual Lab Introductory workshop enable students to

- To create awareness about Virtual lab
- To obtain practical hands on experience on different concepts
- To enthuse students to learn basic and advanced concepts through remote experimentation

Outcomes: On successful completion of program student should able to:

1. Tell about the virtual lab facility for remote access to lab resources
2. Illustrate practical hands on demonstration of different concepts
3. Apply basic and advanced concepts through remote experimentation

Articulation Matrix:

Course Outcomes	Program Outcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
1	3				3							
2	3	2	2	2	3							
3	3	2	2	2	3							
Average	3	2	2	2	3							

Photos:





John
Nodal Coordinator
Mr John Prakash Veigas
25/01/23

N
Principal

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

AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

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VISIT TO SOLVE The Virtual Lab at NITK Surathkal

ATTENDANCE RECORD

NCID | Nodal Centre: *AJ Institute of Engineering & Technology*
 Workshop Date: *24.01.2023*
 Workshop Type: *offline*
 Class: *Ist Year - D Section*

S. No.	Roll No.	Name	Department	Sign
1	<i>62</i>	<i>Yathish</i>	<i>ECE</i>	<i>Yathish</i>
2	<i>32</i>	<i>Navaneeeth</i>	<i>ECE</i>	<i>Navaneeeth</i>
3	<i>28</i>	<i>Likhoth</i>	<i>ECE</i>	<i>Likhoth</i>
4	<i>24</i>	<i>Koushik</i>	<i>ECE</i>	<i>Koushik</i>
5	<i>29</i>	<i>Lohith</i>	<i>ECE</i>	<i>Lohith</i>
6	<i>46</i>	<i>Shobhith Kumar .s.</i>	<i>ECE</i>	<i>Shobhith</i>
7	<i>20</i>	<i>K Adithya</i>	<i>ECE</i>	<i>K. Adithya</i>
8	<i>18</i>	<i>Hamshith .s. Alva</i>	<i>ECE</i>	<i>Hamshith</i>
9	<i>23</i>	<i>Kavana</i>	<i>ECE</i>	<i>Kavana</i>
10	<i>09</i>	<i>B. Vedhakeshi</i>	<i>ECE</i>	<i>B. Vedhakeshi</i>
11	<i>16</i>	<i>Deepthi - K-M</i>	<i>ECE</i>	<i>Deepthi</i>
12	<i>14</i>	<i>Deekshitha</i>	<i>ECE</i>	<i>Deek</i>
13	<i>07</i>	<i>Antirna Sharma</i>	<i>ECE</i>	<i>Antirna</i>
14	<i>26</i>	<i>Kaithika</i>	<i>ECE</i>	<i>Kaithika</i>

Principal

A.J. Institute of Engineering & Technology

Mangaluru - 575 006



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

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Date: 21-1-2023

From,

Mr. John Prakash Veigas

Assistant Professor

Department of 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 Visit NITK to solve problems using Virtual Lab

We are planning to **Visit NITK to solve problems using Virtual Lab** 25-1-2023 for I Semester C and E Section. This hands-on session will be helpful for students to understand how to use virtual labs. 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

Date: 26-01-2023

Report on NITK SOLVE Virtual Lab Visit and Workshop

Name of the Program:	Visit to NITK Solve Virtual Lab	Program Dates & Timings:	25-01-2023 1:30pm-4:30pm		
Name & Details of the Resource Person:	Prof. K.V. Gangadharan - Professor-Mechanical Engineering Head - Centre for System Design NIT Karnataka, Surathkal Participating Institute Coordinator-Virtual Labs Mr Siya Sushil - Research Scholar Ms. Shreshta - Research Scholar Ms. Prajana - Research Scholar Mr. Rakshith – Research Scholar				
Organized by (Clubs/ Dept.)	Virtual Lab Committee				
Number of Participants	Students	57	Faculty	3	
Program Outcome (PO) Mapping	PO1, PO2, PO3, PO4, PO5				
Coordinator	Mr John Prakash Veigas				

About the Program:

A Visit to SOLVE Virtual Labs NIT Karnataka, Surathkal and Introductory workshop Virtual labs at is organized for the first-semester **Civil Engineering students (E section) & Mechanical Engineering Students (C Students)** of A. J. Institute of Engineering and Technology. Resource person has given a hands-on demonstration of the virtual lab and briefed about the workshop and its benefits. The following experiments are demonstrated in the lab: Impact Analysis test in Civil Engineering Labs, Determination of Alkalinity in water in the Environmental Engineering Lab.

Research scholars conducted a tour of ongoing studies in a variety of fields, including 3-D printing, laser cutting, electric vehicles with two and three wheelers, virtual reality, and unmanned aerial vehicles. Students are accompanied by Mr Harold D'Souza, Asst. Professor from Mechanical

Principal

Engineering department and Class advisors Mrs Vilma D'Souza and Smitha Kini from Mathematics department of AJIET.

Objectives: The program Virtual Lab awareness workshop enable students to

- To create awareness about Virtual lab
- To obtain practical hands on experience on different concepts
- To enthuse students to learn basic and advanced concepts through remote experimentation

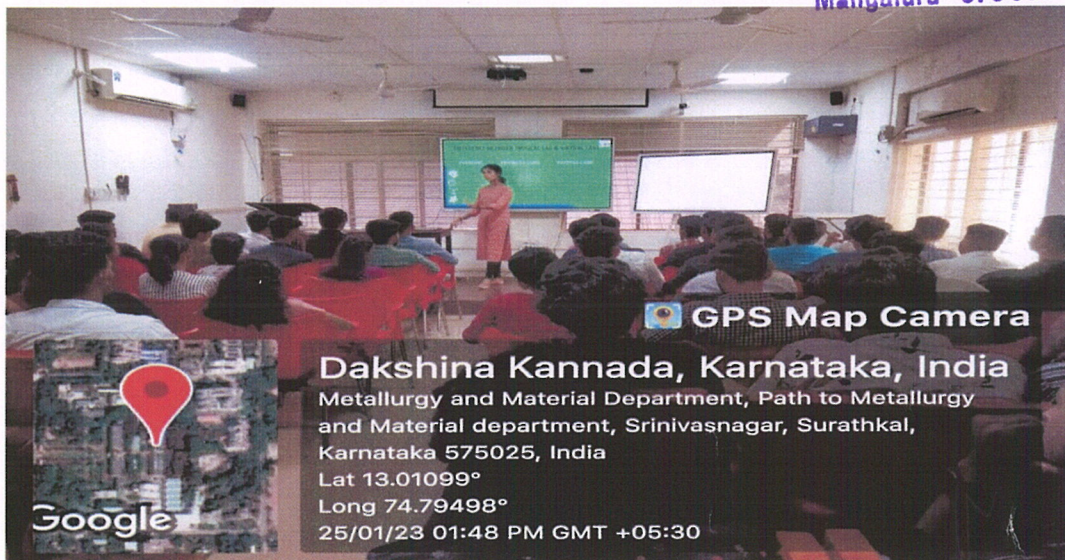
Outcomes: On successful completion of program student should able to:

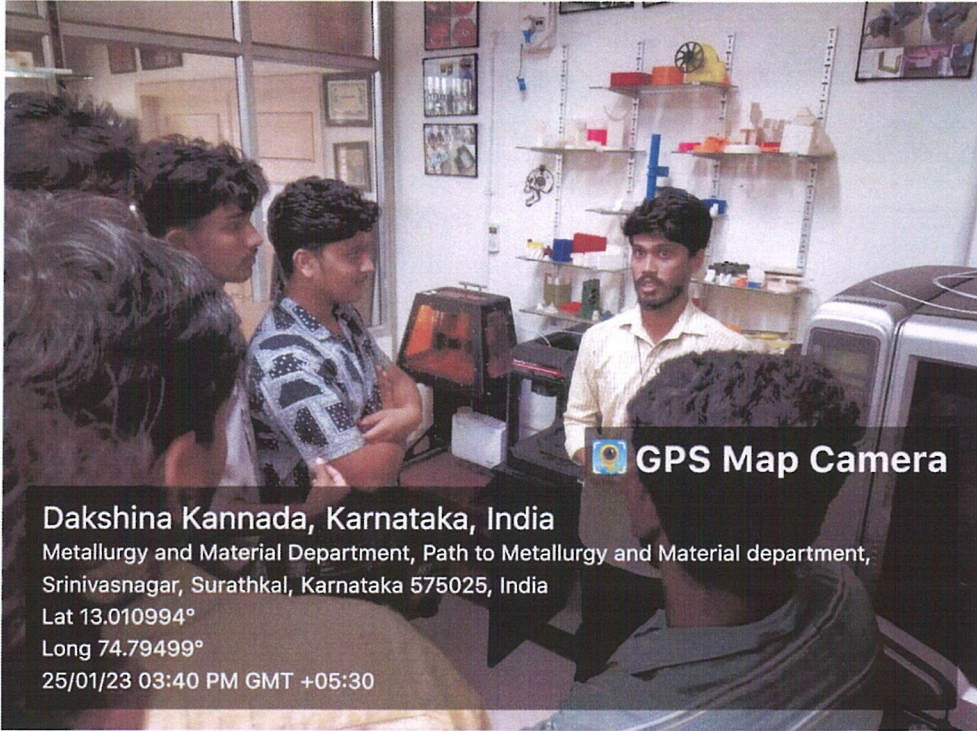
1. Tell about the virtual lab facility for remote access to lab resources
2. Illustrate practical hands on demonstration of different concepts
3. Apply basic and advanced concepts through remote experimentation


Articulation Matrix:

Course Outcomes	Program Outcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
1	3				3							
2	3	2	2	2	3							
3	3	2	2	2	3							
Average	3	2	2	2	3							

Photos:





 GPS Map Camera

Dakshina Kannada, Karnataka, India


Metallurgy and Material Department, Path to Metallurgy and Material department,
Srinivasnagar, Surathkal, Karnataka 575025, India

Lat 13.010994°

Long 74.79499°

25/01/23 03:40 PM GMT +05:30



 GPS Map Camera

Dakshina Kannada, Karnataka, India

Metallurgy and Material Department, Path to Metallurgy and Material
department, Srinivasnagar, Surathkal, Karnataka 575025, India

Lat 13.010994°

Long 74.79499°

25/01/23 04:01 PM GMT +05:30


Nodal Coordinator


Principal

Principal

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



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VISIT TO SOLVE The Virtual Lab at NITK Surathkal

ATTENDANCE RECORD

NCID | Nodal Centre: A. J. Institute of Engineering & Technology

Workshop Date: 25/01/2023

Workshop Type: offline

Class: I year - C & E section

S. No.	Roll No.	Name	Department	Sign
01	01	A.UMA MAHESHWARI	Civil	
02	31	Trisha.k	civil	
03	13	Jamol P-J	civil	
04	22	Vidya.M.	Civil	
05	04	Ankitha.R	Civil	
06	29	Pranvati M S	Civil	
07	05	Amsha Jyothish	civil	
08	15	Kavya	civil	
09	19	Mrudhula	civil	
10	21	Pavithra	Civil	
11	3	Anami Ka	Civil	
12	20	HARPEEZ	MECH	
13	43	VAKSHITH	MECH	
14	32	SaniJ	mech	

Principal

A.J. Institute of Engineering & Technology

Mangaluru - 575 006

40	18	MOHAMMED SINAN	civil	<u>Wlive</u>
41	07	Darshan	Civil	<u>Tau</u>
42	02	ABDURRAHMAN	Mech	<u>ABH</u>
43	22	Mohammed Zubair	Mech	<u>ZUBAIR</u>
44	08	Deekshitha. Y. Kottam	Civil	<u>Deekshitha</u>
45	25	Uthrik	CIVIL	<u>Uthrik</u>
46	27	Prathap Prathap Sathy	Mech	<u>Prathap</u>
47	41	Tharun	mech	<u>Tharun</u>
48	12	Crowtham	Mech	<u>Crowtham</u>
49	11	Fabin Martin	Mech	<u>Fabin</u>
50	09	Menumontraai	CIVIL	<u>Menumontraai</u>
51	28	Sachin	Mech	<u>Sachin</u>
52	09	Dhanush	ME	<u>Dhanush</u>
53	31	Sarees Jay	Mech	<u>Sarees Jay</u>
54	30	Sudarsan. V S	civil	<u>Sudarsan</u>
55	34	Shahid. S	Mech	<u>Shahid</u>
56	22	Pradeep	civil	<u>Pradeep</u>
58	Faculty	Harold Joyson D'souza	Mechanical	<u>Harold</u>
59	Faculty	Gmitha. S. Kini	Maths	<u>Gmitha</u>
60	Faculty	Vilma D'souza	Maths	<u>Vilma</u>
62	60	Iththisham Farhaan Ahmad	CIVIL	<u>Iththisham</u>

Accompanying Faculty Name & sign: 1. Harold J. D'souza Harold
 2. Gmitha. S. Kini Gmitha
 3. Vilma D'souza Vilma

Nodal Coordinator
 Signature

Principal

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

Head of Institute / Principal
 Signature & Stamp

Dr. K.V. Gangadharan
 Participating Institute (Coordinator (PIC))
 Virtual Lab Project (SOLVE)
 NMEICT - MHRD, Govt. of India



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Date: 27-1-2023

From,

Mr. John Prakash Veigas

Assistant Professor

Department of 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 Visit NITK to solve problems using Virtual Lab

We are planning to **Visit NITK to solve problems using Virtual Lab 31-1-2023** for I Semester B Section. This hands-on session will be helpful for students to understand how to use virtual labs. 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

Date: 01-02-2023

Report on NITK SOLVE Virtual Lab Visit and Workshop

Name of the Program:	Visit to NITK Solve Virtual Lab	Program Dates & Timings:	31-01-2023 1:30pm-4:30pm
Name & Details of the Resource Person:	Prof. K.V. Gangadharan - Professor-Mechanical Engineering Head - Centre for System Design NIT Karnataka, Surathkal Participating Institute Coordinator-Virtual Labs Mr Siya Sushil - Research Scholar Ms. Shreshta - Research Scholar Ms. Prajana - Research Scholar Mr. Rakshith – Research Scholar		
Organized by (Clubs/ Dept.)	Virtual Lab Committee		
Number of Participants	Students	57	Faculty 2
Program Outcome (PO) Mapping	PO1, PO2, PO3, PO4, PO5		
Coordinator	Mr John Prakash Veigas		

About the Program:

A Visit to SOLVE Virtual Labs NIT Karnataka, Surathkal and Introductory workshop Virtual labs at is organized for the first-semester **Information Science and Engineering students (B-Section)** of A. J. Institute of Engineering and Technology. Resource person has given a hands-on demonstration of the virtual lab and briefed about the workshop and its benefits. Some experiments in the following virtual lab is demonstrated: Computer programming, Data Structures Lab, remote triggering lab etc. Research scholars conducted a tour of ongoing studies in a variety of fields, including 3-D printing, laser cutting, electric vehicles with two and three wheelers, virtual reality, and unmanned aerial vehicles. Students are accompanied by Mr John Prakash Veigas, Assoc. Professor from ISE

department and Class advisor Mrs Vishmitha Shetty from Mathematics department of AJIET.

Objectives: The program Virtual Lab awareness workshop enable students to

- To create awareness about Virtual lab
- To obtain practical hands on experience on different concepts
- To enthuse students to learn basic and advanced concepts through remote experimentation

Outcomes: On successful completion of program student should able to:

1. Tell about the virtual lab facility for remote access to lab resources
2. Illustrate practical hands on demonstration of different concepts
3. Apply basic and advanced concepts through remote experimentation

Articulation Matrix:

Course Outcomes	Program Outcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
1	3				3							
2	3	2	2	2	3							
3	3	2	2	2	3							
Average	3	2	2	2	3							

Photos:



Principal



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



Nodal Coordinator
Mr John Prakash Veigas

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



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VISIT TO SOLVE VIRTUAL LAB AT NITK, Surathkal

NCID | Nodal Centre: *AJ Institute of Engineering & Technology*
 Workshop Date: *31-01-2023*
 Workshop Type: *Offline*
 Class: *I year B section - ISE*

S. No.	Roll No.	Name	Department	Sign
1	B13	Chaudana Shetty	ISE	<i>Chauda</i>
2	B15	Krusha	ISE	<i>Krusha</i>
3	B47	Pratheeksha R. Puthran	ISE	<i>Prathi</i>
4.	B41	Panchami	ISE	<i>Panchami</i>
5	B40	PARAMESHWARA	ISE	<i>P</i>
6	B58	Sujan	ISE	<i>sujan</i>
7	B08	AVINASH S DEVADIGA	ISE	<i>Avinash</i>
8	B35	IRFAN	ISE	<i>Irfan</i>
9	B38	NIDHISH	ISE	<i>Nidhish</i>
10	B31	Mohammad Linaan	ISE	<i>Linaan</i>
11	B11	Boreejesh	ISE	<i>Boreejesh</i>
12	B24	GAURAV DEEP	ISE	<i>Gaurav</i>
13	B39	NISCHAL SHETTY	ISE	<i>Nishchal</i>
14	B40	NISHANTH SHETTY B	ISE	<i>Nishanth</i>

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42	B19	DHANYASHREE	ISE	<i>Dhanya</i>
43	B61	VAISHALI. U.	ISE	<i>Vaishali U.</i>
44	B12	CHAITHANYA	ISE	<i>Chait</i>
45	B07	ARPITA NAIK	ISE	<i>Arpita</i>
46	B03	ADITHYA GUDHEER M.V	ISE	<i>Adithya</i>
47	B14	DEEKSHA S POOJARY	ISE	<i>Deeksha</i>
48	B18	DHANYASHREE	ISE	<i>Dhanya</i>
49	B59	THANUSHREE	ISE	<i>Tha</i>
50	B26	HITHAISHI	ISE	<i>Hithaishi</i>
51	B45	POORVIKA. SHETTY	ISE	<i>Poorvika</i>
52	B16	DHANYA NAGARAJ	ISE	<i>Dhanya</i>
53	B21	ESHA V SHETTY	ISE	<i>Esha</i>
54	B17	DHANYA M. NAIK	ISE	<i>Dhanya</i>
55	B52	SANVI S BHANDARY	ISE	<i>Sanvi</i>
56	B60	THRISHA . T	ISE	<i>Thrisha</i>
57	B06	ANKITHA . R . DEVADIGA	ISE	<i>Ankitha</i>

Accompanying faculty: Mr John P. Vargas & Mrs Vishmita Shetty

Nijm
31/1/23
Nodal Coordinator
Signature

Surathkal
Head of Virtual lab
NITK, surathkal
Dr. K.V. Gangadharan
Participating Institute Coordinator (PIC)
Virtual Lab Project (SOLVE)
NMEICT - MHRD, Govt. of India

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



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Department of Civil Engineering

Virtual Lab Experiments Conducted in the academic courses Even Semester 2022-2023

Name of Experiment in VLab	Name of Lab in VLab	Name of Lab/Theory Course as per Curriculum	No. of Students	Date of conduction	Semester & Programme	Name of Course Coordinator
Determination of pH	Environmental Engineering Lab	Public Health Engineering	26	13-06-2023	4	Nitesh
Determination of Sulphate in water	Environmental Engineering Lab	Public Health Engineering	27	13-06-2023	4	Nitesh
Determination of pH	Environmental Engineering Lab	Environmental Engineering Lab	24	09-06-2023	6	Nitesh
Determination of Sulphate in water	Environmental Engineering Lab	Environmental Engineering Lab	25	12-06-2023	6	Nitesh
Carryout contouring in the field	Extensive Survey Lab	Extensive Survey Lab	24	16-6-2023	6	Vinod
Observation of vertical and horizontal angles	Extensive Survey Lab	Extensive Survey Lab	24	16-6-2023	6	Vinod

Department Coordinator

Institute Coordinator

Principal

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Department of Computer Science and Engineering

Virtual Lab Experiments Conducted in the academic courses Even Semester 2022-23

Name of Experiment in VLab	Name of the Lab in VLab	Name of Lab Course as per Curriculum	No. of Students	Semester & Programme	Date of Conduction	Name of Course Instructor
Built-In Functions	Python Programming Lab	Python Programming Lab	66	IV sem ,CSE	19/8/2023	Mr.Chanchal Antony
Data Types					21/8/2023	
Strings					21/8/2023	
Kruskal's Algorithm	Design and Analysis of Algorithms	Design and Analysis of Algorithms	66	IV Sem,CSE	27/7/23	Mr.Stanely D'souza
Shortest path using Dijkstra's Algorithm					20/7/23	
Selecion Sort					15/8/23	
Merge Sort					14/8/23	


19/10/23
Department Coordinator


- 14/10/2023
Institute Coordinator


Principal

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Mangaluru - 575 006



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Department of Computer Science and Engineering


Virtual Lab Experiments to be used in the academic courses of Academic Year 2022-23- Action Plan

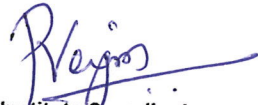
Sl. No	Name of Course as per Curriculum with course code	Name of the VLab	Name of Experiment in VLab	Semester & Programme	Name of Course Instructor	Link
1	Python Programming Lab	Python Programming Lab	66	4st Sem(CS)	Mr. Chanchal Antony	https://python-iitk.vlabs.ac.in/
2	Design and Analysis of Algorithms	Design and Analysis of Algorithms	66	4st Sem(CS)	Mr. Stanely D'Souza	https://ds2-iiith.vlabs.ac.in/List%20of%20experiments.html

No. of Vlab Workshops/Trainings Conducted :02

Total No. Of Participants covered:132

Name of Department coordinator: Mrs Vidya Myageri


14/10/23
Department Coordinator


Institute Coordinator


Principal

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



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Department of Computer Science and Engineering

Virtual Lab Experiments Conducted in the academic courses Odd Semester 2022-23

Name of Experiment in VLab	Name of the Lab in VLab	Name of Lab Course as per Curriculum	No. of Students	Semester & Programme	Date of Conduction	Name of Course Instructor
C program to implement Tower of Hanoi using recursion	Computer programming lab	Introduction to C Programming	62	I Sem , ECE	04/03/2023	Mrs.Vidya Myageri
Design of Arithmetic Logic Unit	Analog and Electronics Lab	Analog and Digital Electronics	66	III Sem,CSE	12-01-2023	Dr.Laxmi Gulappagol
Analysis and Synthesis of Logic Functions using Decoders					20/01/2023	
Active low pass filter					13/02/2023	
voltage to current converter	Analog and Electronics Lab				12/02/2023	
Word Generation	Natural Language Processing Lab	Natural Language Processing Lab	58	VII Sem CSE	16/12/2022	Mrs.Snitha Shetty
N-Grams					23/12/2022	
POS Tagging- Hidden Markov Model					16/12/2022	
Word Analysis					23/12/2023	


14/10/23

Department Coordinator


Institute Coordinator


Principal
Principal

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



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Department of Computer Science and Engineering


Virtual Lab Experiments to be used in the academic courses of Academic Year 2022-23- Action Plan

Sl. No	Name of Course as per Curriculum with course code	Name of the VLab	Name of Experiment in VLab	Semester & Programme	Name of Course Instructor	Link
1	Computer programming lab	Computer programming lab	62	1st Sem(EC)	Mrs.Vidya Myageri	https://cse02-iiith.vlabs.ac.in/
2	Analog and Digital Electronics	Analog Signals, Network and Measurement Virtual	66	3rd sem(CS)	Dr. Laxmi Gulappagol	http://vlabs.iitkgp.ac.in/asnm/exp30/index.html
3	Natural Language Processing	Natural Language Processing Lab	58	7th sem(CS)	Mrs.Snitha Shetty	https://nlp-iiith.vlabs.ac.in/

No. of Vlab Workshops/Trainings Conducted :03

Total No. Of Participants covered:186

Name of Department coordinator: Mrs Vidya Myageri


19/10/23
Department Coordinator


Institute Coordinator


Principal
Principal

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



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Department of Civil Engineering

Vlab Experiments to be used in the academic courses 2022-23 - Action Plan

Name of Experiment and Lab in VLab	Name of Lab / Theory Course as per Curriculum	Semester & Programme	Name of Course Coordinator
Consistency of cement	Concrete and Highway Engineering Lab	V	Mrs. Pooja
Specific gravity of cement	Concrete and Highway Engineering Lab	V	Mrs. Pooja
Tensile test on mild steel	Strength of materials	III	Nikhil N
Compression test on mild steel	Strength of materials	III	Nikhil N
Retaining Walls	Computer Aided Design of Structures	VII	Dr. Sangeetha D M
Continuous Beams	Computer Aided Design of Structures	VII	Dr. Sangeetha D M
Triaxial Test	Basic Geotechnical Engineering	V	Mr. Vinod Dsouza
CBR test on soil	Basic Geotechnical Engineering	V	Mr. Vinod Dsouza
Global positioning system and its accessories to find out location of various points	Surveying Practice Lab	v	Dr .Amarnath shetty
location (planimetric coordinates and elevations) of various points	Surveying Practice Lab	V	Dr .Amarnath shetty

Department Coordinator

Institute Coordinator

Principal

Principal

A.J. Institute of Engineering & Technology
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Department of Civil Engineering

Virtual Lab Experiments Conducted in the academic courses Odd Semester 2022-23

Name of Experiment in VLab	Name of Lab in VLab	Name of Lab/Theory Course as per Curriculum	No. of Students	Date of conduction	Semester & Programme	Name of Course Coordinator
Tensile test on mild steel	Structures Lab	Strength of materials	25	27/12/2022	3rd sem	Nikhil N
Compression test on mild steel	Structures Lab	Strength of materials	25	27/12/2022	3rd sem	Nikhil N
Retaining Walls	Basic Structural Analysis Lab	Computer Aided Detailing of Structures	55	12-12-2022	7th Sem	Dr. Sangeetha D M
Continuous Beams	Basic Structural Analysis Lab	Computer Aided Detailing of Structures	55	12-12-2021	7th Sem	Dr. Sangeetha D M
Consistency of cement	Concrete structures lab	Concrete and Highway Engineering Lab	30	1-12-2023	5th sem	Mrs. Pooja Deepak
Specific gravity of cement	Concrete structures lab	Concrete and Highway Engineering Lab	30	2-3-2023	5th sem	Mrs. Pooja Deepak
Triaxial Test	Soil Mechanics Lab	Basic Geotechnical Engineering	30	28-2-2023	5th sem	Mr. Vinod Dsouza
CBR test on soil	Soil Mechanics Lab	Basic Geotechnical Engineering	30	1/3/2023	5th sem	Mr. Vinod Dsouza
Study of global positioning system and its accessories	Surveying Practice Lab	Surveying	28	3/3/2023	5th sem	Dr. Amarnath shetty
to find out location (planimetric coordinates and eleva	Surveying Practice Lab	Surveying	25	4/3/2023	5th sem	Dr. Amarnath shetty

Department Coordinator

Institute Coordinator

Principal

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