

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

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

5. Branch of Engineering/Science	Student Strength (3rd, 5 th & 7 th Sem)
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**

- a. The Institute is recognized by AICTE / UGC.
- b. The Institute has necessary and adequate infrastructure.
- c. Strict adherence to the standard laid down lab Procedures and Cyber Security Laws will be followed.
- d. Virtual Labs connectivity can be withdrawn / stopped without giving any prior notice or reasons.
- e. Department Level Sub-coordinators for shall be assigned and details to be furnished.
- f. This EOI for Virtual Labs Nodal Centre is valid up to 31st 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



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

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Event Name	Webinar on Virtual Labs
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">• 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.• Providing measured data for virtual lab experiments corresponding to the data previously obtained by measurements on an actual system.• 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. <p>Dr Nagesh H R proposed the vote of thanks to the participants and resource persons</p>

Principal

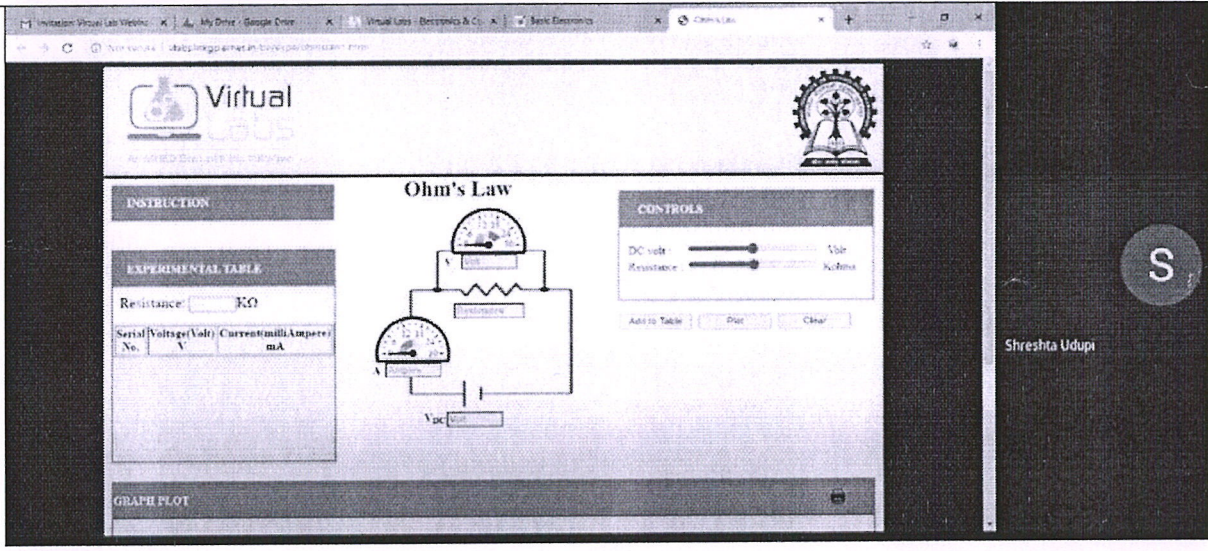
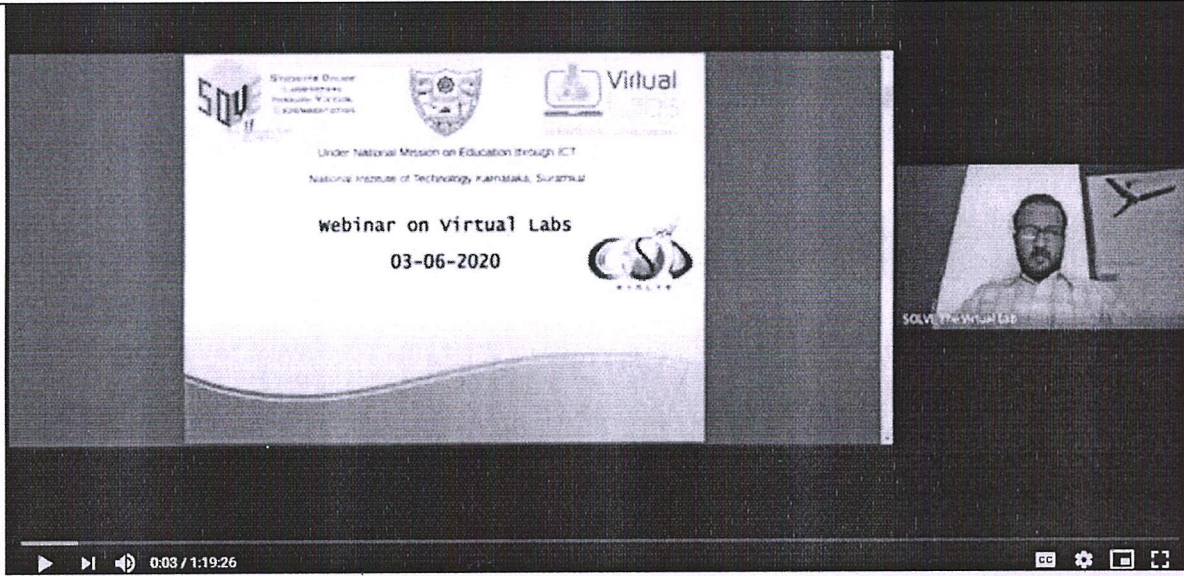
A.J. Institute of Engineering & Technology
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Praigan

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



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Date:21/09/2020

AJIET/VLAB/1/2020-21

Circular

All the department virtual lab coordinators including first year are informed to give the virtual lab action plan for the academic year 2020-21 in your respective branches. The department virtual lab coordinators are requested to prepare mapping of Virtual labs with academic courses for odd semester 2020-21. Kindly fill the Google spreadsheet which is shared with you.

All the course instructors/subject teachers are requested to demonstrate available experiments from virtual lab website vlab.co.in (at least 3 experiments for lab subjects and 2 experiments in theory subjects). The remaining experiments can be given as an assignment. Course instructors are requested to maintain record of the experiments done by the students. This may be shown as content beyond the syllabus in their respective courses.

Virtual Lab Coordinator
(Mr John Prakash Veigas)

Principal

Principal
A.J. Institute of Engineering & Technology
Mangaluru - 575 005

CC to

1. Vice President, LMET
2. Principal, AJIET
2. HODs of - CSE ECE ISE ME CIV First year
3. Department Virtual lab Coordinators - CSE ECE ISE ME CIV First year

Principal
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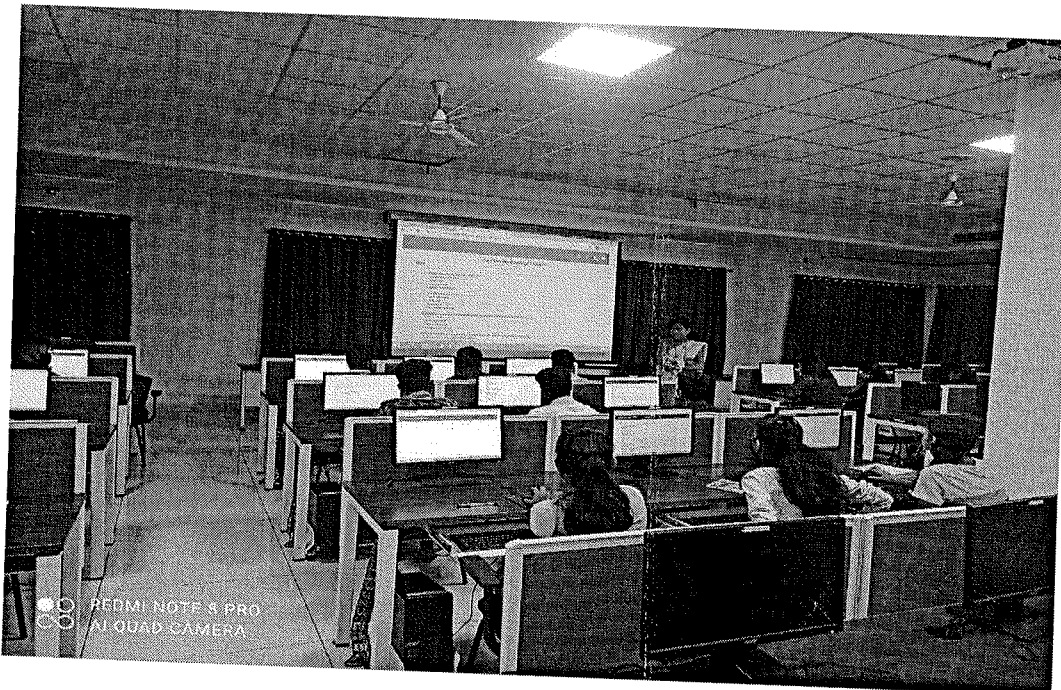


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Event Name	Hands on Awareness Program on Virtual Labs		
Date	25-02-2021		
Venue	CAED LAB, Ground floor AJIET Mangaluru.		
Staff Coordinator	Mrs. Snitha Shetty		
Resource Persons	Mrs. Snitha Shetty		
Participants	Students	Branch	Total number students attended
		C section - I Sem	40
Content Covered	<p>A Hands on awareness to Virtual labs at AJIET Mangaluru is organized for the first semester students (C section) of AJ Institute of Engineering and Technology on 25-02-2021. Total 40 students are participated in this event. Resource person Mrs. Snitha Shetty has given hands-on demonstration of the virtual lab and briefed about the workshop and its benefits.</p> <p>The following experiments are demonstrated in the lab:</p> <p>Introduction on Computer Programming Labs, C-Lab simulation, Basic Electronics Lab, Physical science lab</p>		

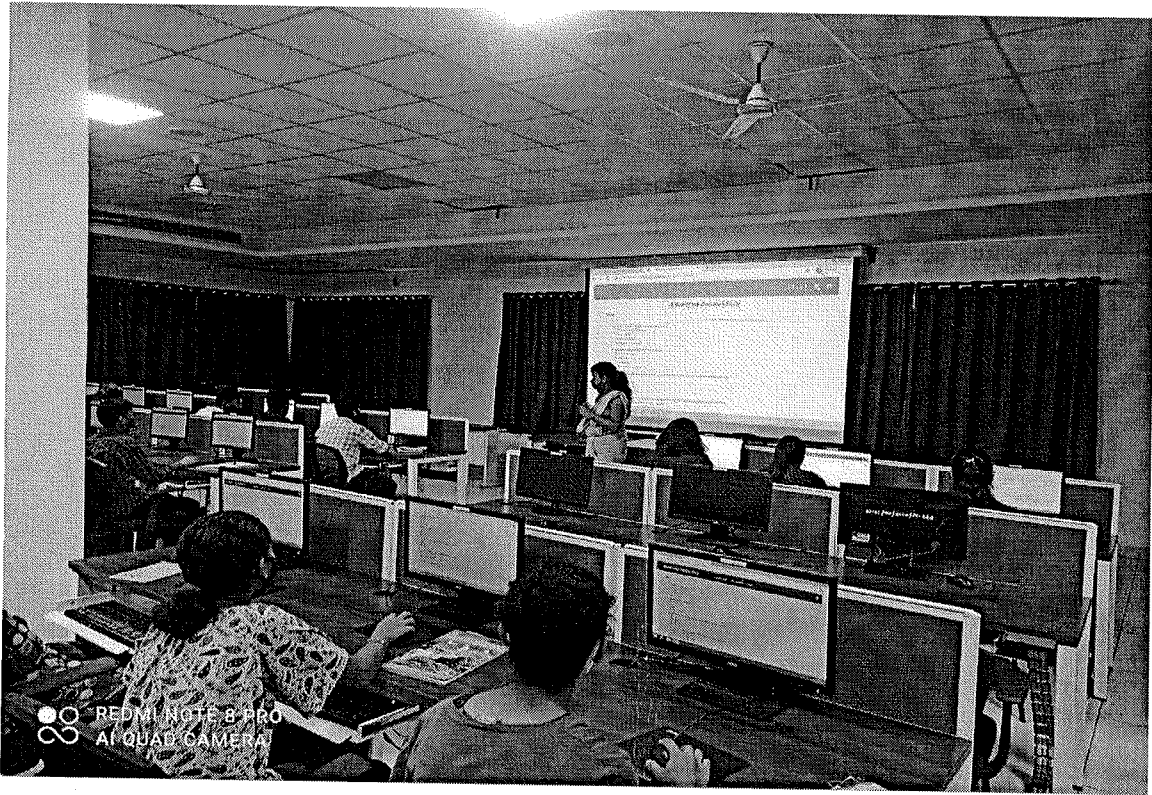




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S. [Signature]
3/3/2021
Staff Coordinator

R. [Signature]
3/3/2021
Virtual Lab Coordinator

[Signature]
Principal

Copy to:

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

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

[Signature]
Principal
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Mangaluru - 575 006

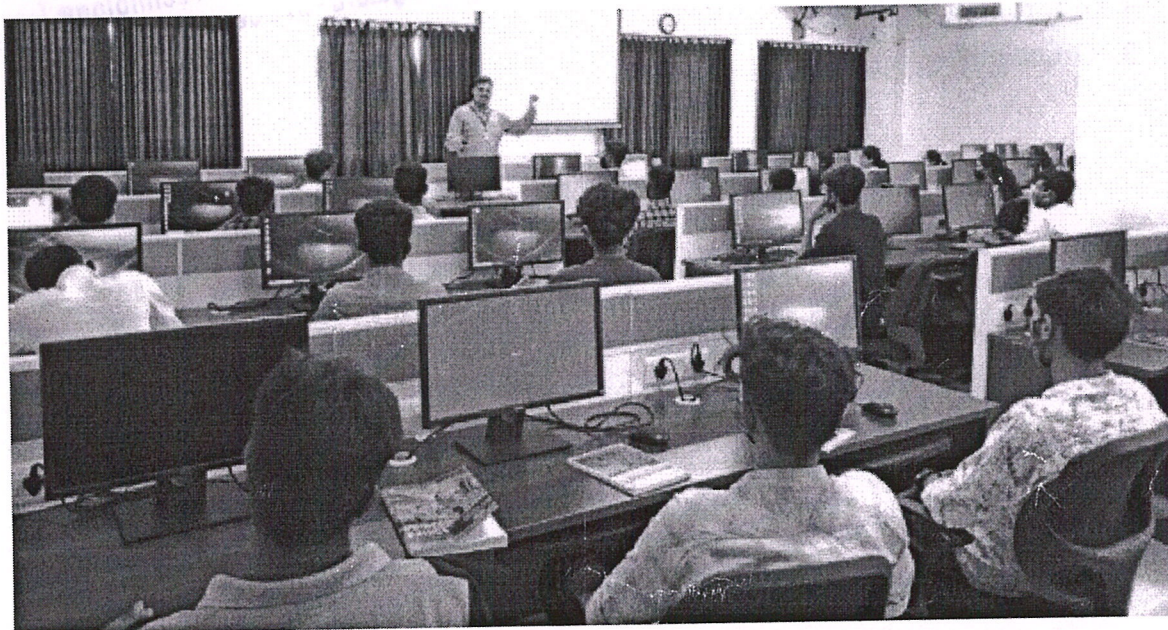


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Event Name	Hands on Awareness workshop on Virtual Labs		
Date	21-02-2022		
Venue	CAED LAB, Ground floor AJIET Mangaluru.		
Staff Coordinator	Mr John Prakash Veigas		
Resource Person	Mr John Prakash Veigas		
Participants	Students	Branch	Total number students attended
		E section - I Sem	33
Content Covered	<p>A Hands on awareness to Virtual labs at AJIET Mangaluru is organized for the first semester students (E section) of AJ Institute of Engineering and Technology on 21-02-2022. Total 33 student members are participated in this event. Resource person Mr John Prakash Veigas has given hands-on demonstration of the virtual lab and briefed about the workshop and its benefits.</p> <p>The following experiments are demonstrated in the lab:</p> <p>Introduction on V-Labs, V-Lab simulation, computer programming lab, Basic Electronics Lab, Problem Solving Lab. Data Structures Lab</p>		



Principal

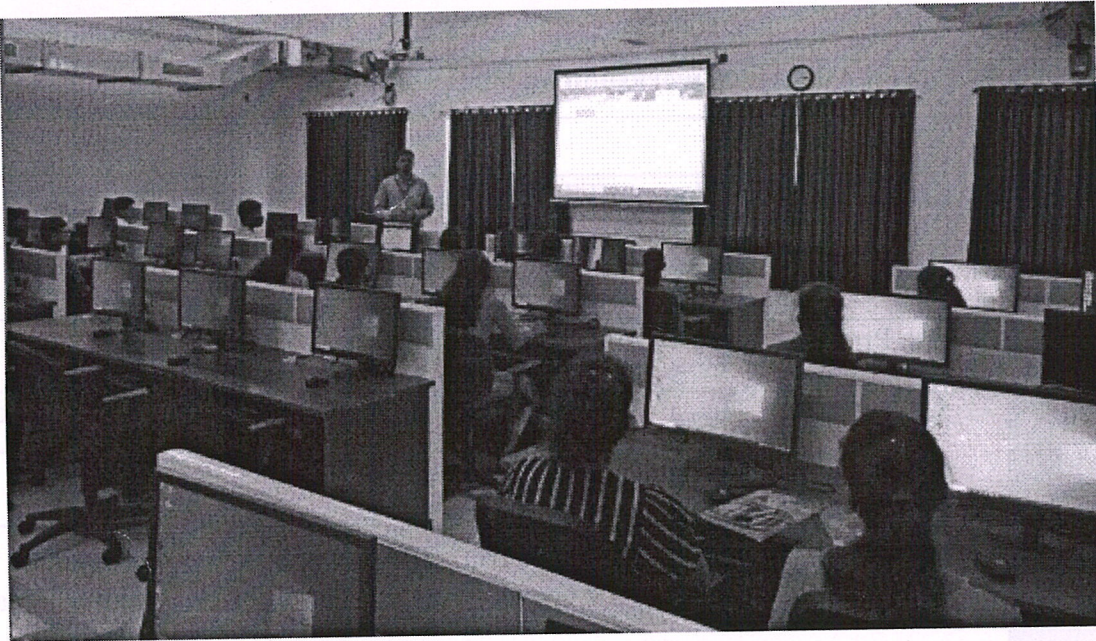
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Rajesh
21/2/22
Virtual Lab Coordinator

[Signature]
Principal

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3. Office File

AJ Institute of Engineering & Technology
Mangalore - 575 009

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: ajenggcollege@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

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

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- 12:30pm		
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

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

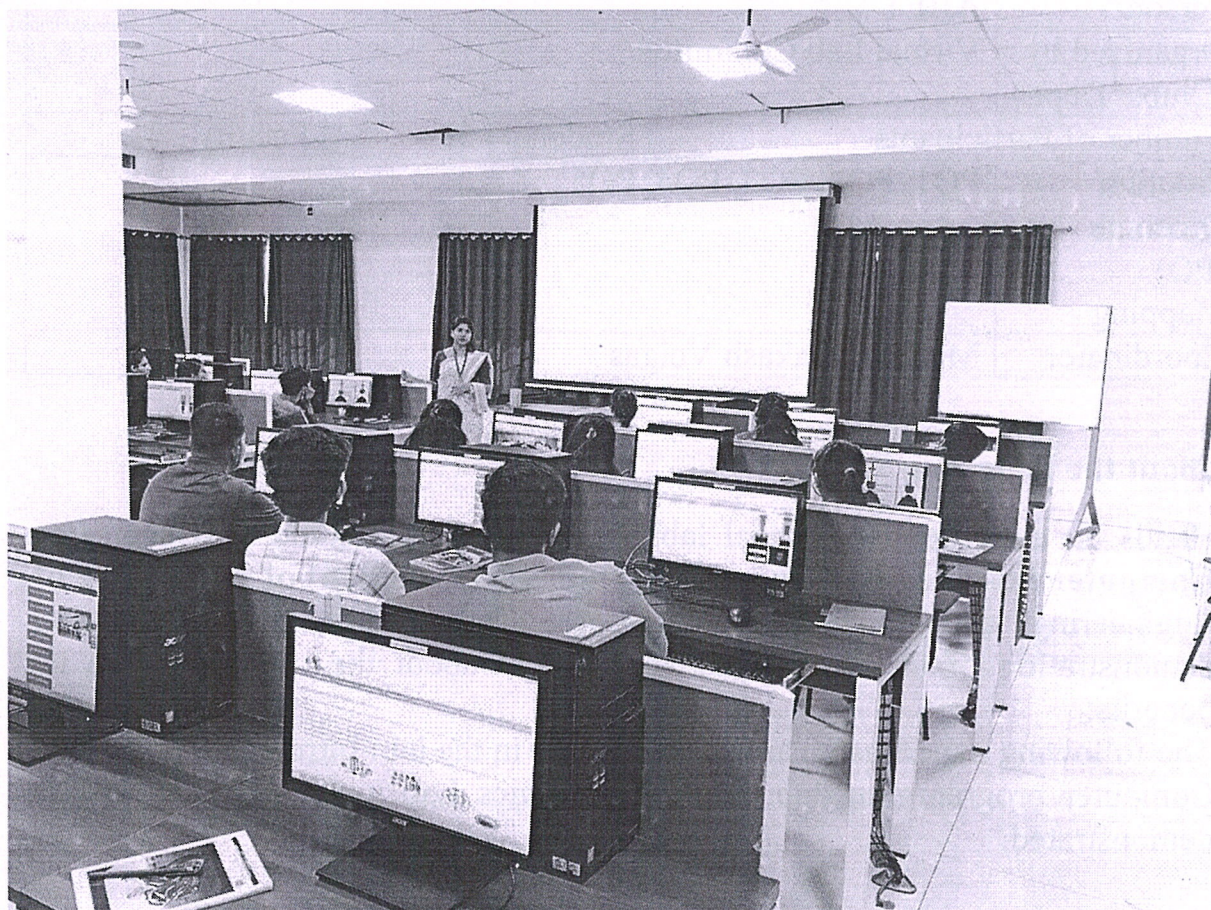
Outcomes: On successful completion of program student should able to:

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 - 575 005



Weym

Nodal Coordinator

V

Principal

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

Name of the Institute: A J Institute of Engineering and Technology

Acronym of Institute: AJIET

Address: NH-66, Kottara Chowki, Mangaluru

Pin Code: 575006

Latitude: 12.915117

Longitude: 74.8286

Affiliated to: Visvesvaraya Technological University, Belagavi

Approved By (AICTE/UGC/University): AICTE

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

AISHE Code: C-566446

Branch of Engineering / Science	Number of Students	Staff
a) Artificial Intelligence and Data Science	63	1
b) Civil Engineering	114	11
c) Computer Science and Engineering	317	18
d) Computer Science and Engineering (AIML)	62	1
e) Computer Science and Engineering (ICB)	62	1
f) Electronics and Communication Engineering	236	19
g) Information Science and Engineering	241	15
h) Mechanical Engineering	157	17

Total: 1354

Total number of computers available for Virtual Labs use: 300

Internet bandwidth (in mbps): 150 Mbps

Name of the Principal: Dr. Shantharama Rai. C

Email: csrai@ajiet.edu.in

Mobile: 9480065081

Proposed Nodal Centre Coordinator (NCC): John Prakash Veigas

Email: john.veigas@ajiet.edu.in

Mobile: 9482038836

Department: Artificial Intelligence and Data Science

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Signature & Stamp

Principal

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



Date: 17/1/2024

Name of the Institute: A J Institute of Engineering and Technology

Acronym of Institute: AJIET

Address: NH-66, Kottara Chowki, Mangaluru

Pin Code: 575006

Latitude: 12.915117

Longitude: 74.8286

Affiliated to: Visvesvaraya Technological University, Belagavi

Approved By (AICTE/UGC/University): AICTE

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

AISHE Code: C-566446

Branch of Engineering / Science

Number of Students

Staff

a) Artificial Intelligence and Data Science	63	1
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Total:1354

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Email: csrai@ajiet.edu.in

Mobile: 9480065081

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Email: john.veigas@ajiet.edu.in

Mobile: 9482038836

Department: Artificial Intelligence and Data Science

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Principal

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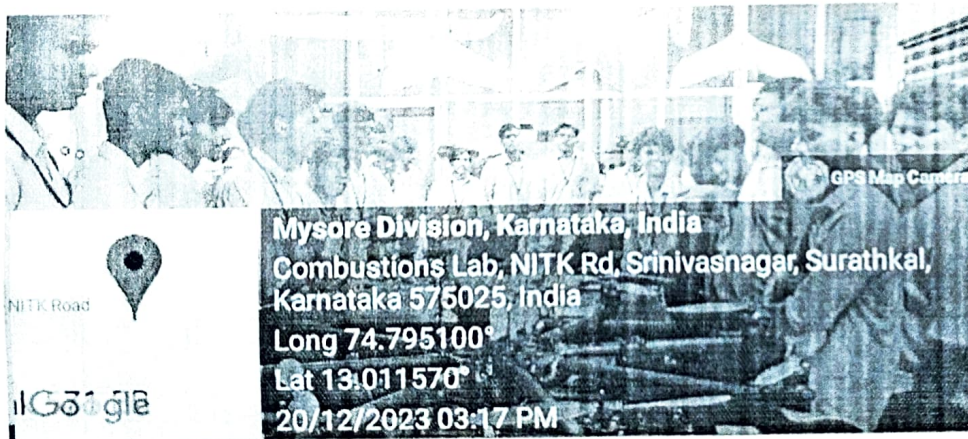


Date: 17/1/2024


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:



1. 
 2. 
 Staff Coordinators


 22/12/2023
 Nodal Coordinator

Virtual Lab


 Principal

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