



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust®

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

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 - 575 006

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



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

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Date:29/09/2020

Notice

As an initiative of virtual labs in the academic year 2020-21, all the course instructors/subject teachers are requested to give demonstrations beyond the syllabus from virtual labs for the available experiments in the virtual lab website (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 for NBA purpose. The department virtual lab coordinators are requested to prepare mapping of Virtual labs with VTU Subjects for odd semester and monitor this activity.

Further the department virtual lab coordinators/HODs are requested to prepare new experiments with the help the faculty in their respective department which can be contributed to the virtual lab from our institute.

A handwritten signature in blue ink, appearing to read 'R. V. Rao', with a horizontal line extending to the right.

Virtual Lab Coordinator

A handwritten signature in green ink, appearing to read 'S. S. Rao', with a checkmark-like flourish.

Principal
Principal

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



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Committee members for Academic year 2020-21

Faculty Name	Designation	Role
Mr John Prakash Veigas	Asst. Prof-ISE	Virtual Lab Nodal Coordinator
Dr. Gnane Swarnadh Satapathi	Assoc Prof-ECE	Sub Virtual Lab Coordinator -ECE
Mr Harold D'Souza	Asst. Prof- ME	Sub Virtual Lab Coordinator - ME
Mr Rakesh M R	Asst. Prof-ISE	Sub Virtual Lab Coordinator -ISE
Mrs. Snitha Shetty	Asst.Prof-CSE	Sub Virtual Lab Coordinator-CSE
Mr Nikhil	Asst.Prof-Civil	Sub Virtual Lab Coordinator-Civil
Dr Pavithra Shanbhag	Asst.Prof-Maths	Sub Virtual Lab Coordinator-First year

PRINCIPAL

Principal
A.J. Institute of Engineering & Technology
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(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

Date: 22-02-2021

From,
Mr. Nikhil N.
Assistant Professor
Department of Civil Engineering
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 Hands on Awareness Program on Virtual Labs.

We are planning to conduct a hands-on awareness program on virtual labs on 25-02-2021 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. Nikhil N.)


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

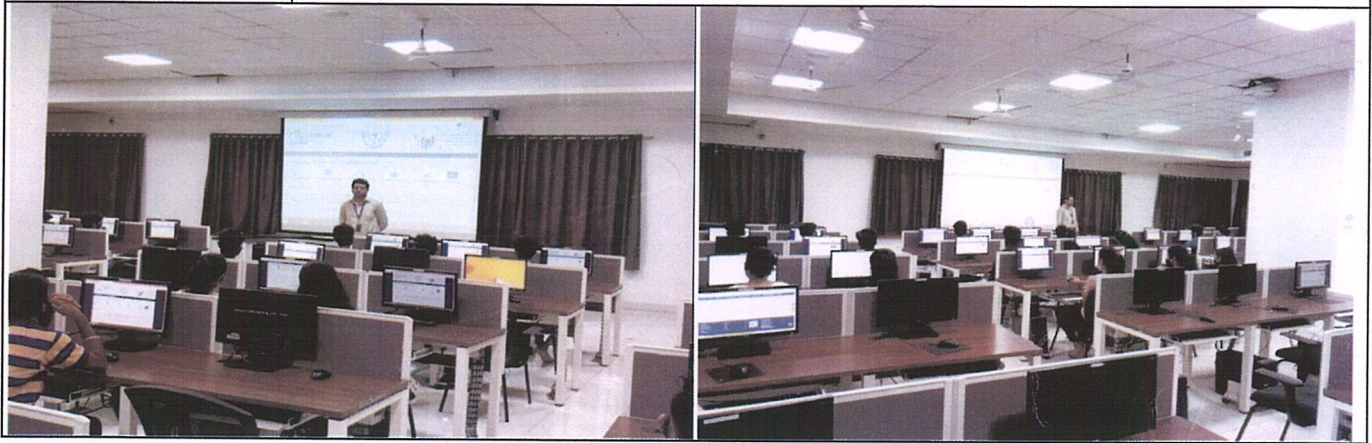


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Event Name	Hands on Awareness Program on Virtual Labs		
Date	25-02-2021		
Venue	CADD Laboratory, 1 st floor, AJIET Mangaluru		
Staff Coordinator	Mr Nikhil N		
Resource Persons	Mr Nikhil N		
Participants	Students	Branch	Total number students attended
		I Sem B section	35
Content Covered	<p>Hands on Awareness Program on Virtual labs at AJIET Mangaluru is organized for first year students of AJ Institute of Engineering and Technology on 25-02-2021. Totally 35 student members are participated in this event. Hands-on demonstration on the virtual lab was given by Resource persons Nikhil N and also briefed about the workshop, explained the advantages of virtual lab like Flexible access, Instant feedback, Top-notch equipment & Lower cost & Benefits of Using Virtual Labs.</p> <p>The following experiments are demonstrated in the lab: Introduction on VLabs, V-Lab simulation, application of Vlab in strength of material lab</p>		



Staff Coordinator

Virtual Lab Coordinator

Principal

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3. Office File

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A. J. Institute of Engineering and Technology Mangaluru



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(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

HANDS ON AWARENESS PROGRAM ON VIRTUAL LABS

(25-2-2021)

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	35	1	4	140
Grand Total						140

Total Number of Virtual Labs Experiments Performed: 140

Mr. John Prakash Veigas
Faculty in-charge

Dr. Shantharama Rai C.
Principal

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



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

Date: 22-02-2021

From,

Mr. Jon 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 Hands on Awareness Program on Virtual Labs.

We are planning to conduct a Hands on Awareness Program on Virtual Labs on 26-02-2021 for I Semester E Section students. 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. Jon Prakash Veigas)

Principal
Principal

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



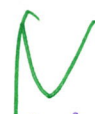
AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

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Event Name	Hands on Awareness Program on Virtual Labs		
Date	26-02-2021		
Venue	CAED LAB, Ground floor AJIET Mangaluru.		
Staff Coordinator	Mr John Prakash Veigas		
Resource Persons	Mr John Prakash Veigas		
Participants	Students	Branch	Total number students attended
		E section - I Sem	20
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 26-02-2021. Total 20 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. The following experiments are demonstrated in the lab:</p> <p>Introduction on VLabs, V-Lab simulation, computer programming lab, Basic Electronics Lab, Physical science lab</p>		




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



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A handwritten signature in blue ink, appearing to read 'Ningam'.

Virtual Lab Coordinator

A handwritten signature in green ink, appearing to be a stylized 'V' or similar mark.

Principal

Copy to:

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3. Office File

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



A. J. Institute of Engineering and Technology Mangaluru



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email : ajenggcollege@gmail.com | website : www.ajiet.edu.in

VIRTUAL LAB WORKSHOP REPORT

(26-02-2021)

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
2	1	E-Section	20	1	6	20*6=120
Grand Total						120

Total Number of Virtual Labs Experiments Performed:120

Mr. John Prakash Veigas
Faculty in-charge

Dr. Shantharama Rai C.
Principal

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



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Date: 22-02-2021

From,

Mr. Rakesh M.R.

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 a workshop on Virtual Labs.

We are planning to conduct a workshop on virtual labs on 26-02-2021 for I Semester A Section students. 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. Rakesh M.R.)

Principal
Principal

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



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Event Name	Workshop on Virtual Labs		
Date	26-02-2021		
Venue	CAED LAB, Ground floor AJIET Mangaluru.		
Staff Coordinator	Mr Rakesh M R		
Resource Persons	Mr Rakesh M R		
Participants	Student	Branch	Total number students attended
	s	A section - I Sem	44
Content Covered	<p>A workshop on Virtual labs at AJIET Mangaluru is organized for the first semester students (A section) of AJ Institute of Engineering and Technology on 26-02-2021. Total 44 student members are participated in this event. Resource persons given hands-on demonstration of the virtual lab. Mr Rakesh M R 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, computer programming lab, Basic Electronics Lab, Physical science lab</p>		


Principal
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Mangaluru - 575 006



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Principal

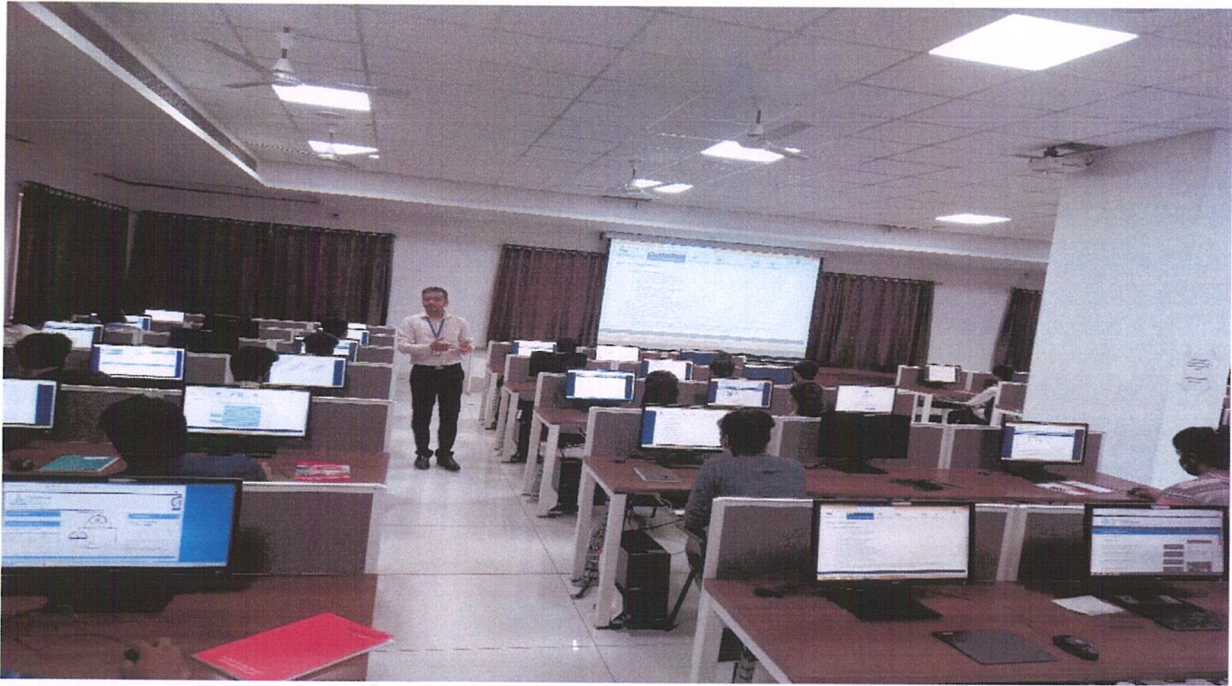
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Mangaluru - 575 006**



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A handwritten signature in black ink, appearing to read 'R. S. ...'.

Staff Coordinator

A handwritten signature in blue ink, appearing to read 'W. ...'.

Virtual Lab Coordinator

A handwritten signature in green ink, appearing to read 'V. ...'.

Principal

Copy to:

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Principal
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Date: 24-02-2021

From,

Mr. Harold Joyson D'Souza

Assistant Professor

Department of ME

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 Hands on Awareness Program on Virtual Labs.

We are planning to conduct a Hands on Awareness Program on Virtual Labs on 28-02-2021 for I Semester D Section students. 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,

A handwritten signature in black ink, appearing to read 'H.D.S.', is written over the typed name.

Staff Coordinator

(Mr. Harold Joyson D'Souza)

A handwritten signature in green ink, appearing to be a stylized 'N', is written above the typed name.

Principal

Principal

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Mangaluru - 575 006



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Event Name	Hands on Awareness Program on Virtual Labs		
Date	28-02-2021		
Venue	CAED LAB, Ground floor AJIET Mangaluru.		
Staff Coordinator	Mr Harold Joyson D'Souza		
Resource Persons	Mr Harold Joyson D'Souza		
Participants	Student	Branch	Total number students attended
	s	D section - I Sem	41
Content Covered	<p>A Hands-on awareness to Virtual labs at AJIET Mangaluru was organized for the first semester students (D section) of A.J. Institute of Engineering and Technology on 28-02-2021. Total 41 student members participated in this event. Resource person Mr Harold Joyson D'Souza had given a hands-on demonstration of the virtual lab and briefed about the workshop and its benefits. The following experiments were demonstrated in the lab:</p> <p>Introduction on VLabs, V-Lab simulation, Mechanics of Machine lab, Strength-of-Materials lab, Basic Electronics Lab.</p>		

Principal

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Principal

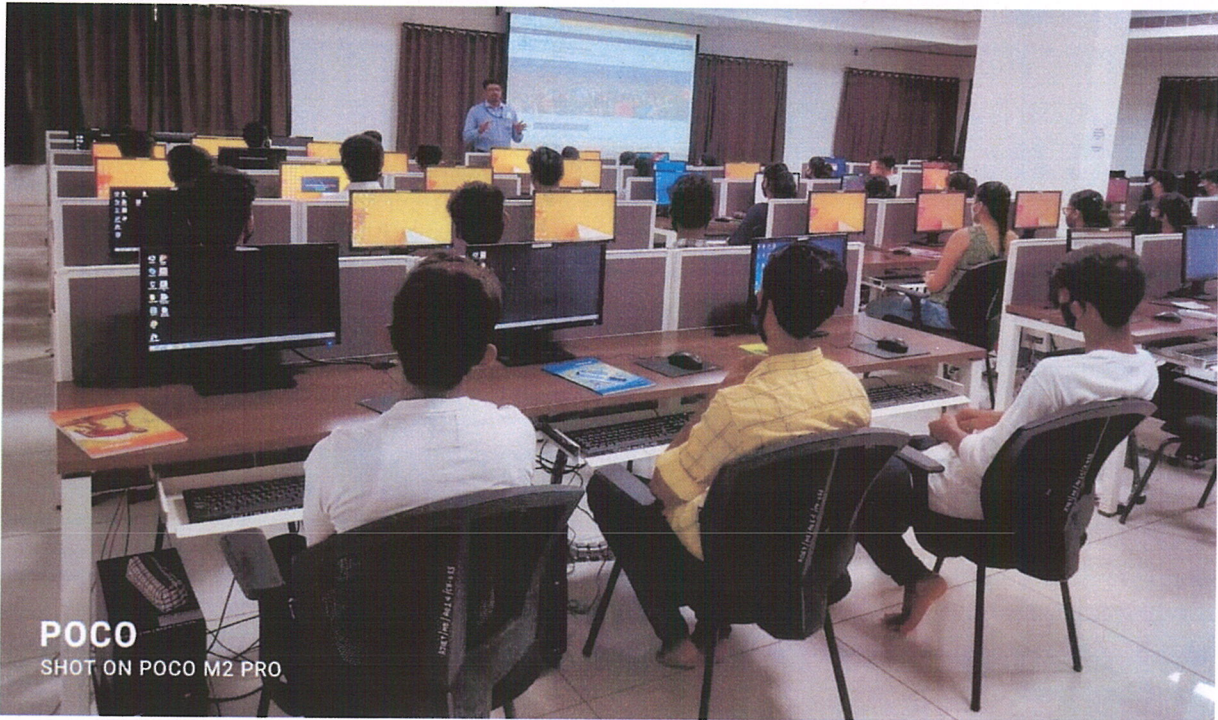
A.J. Institute of Engineering & Technology
Mangaluru - 575 006



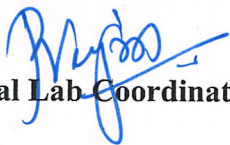
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Staff Coordinator


Virtual Lab Coordinator


Principal

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2. Vice President, LMET
3. Office File

Principal
A.J. Institute of Engineering & Technology
Mangaluru - 575 066



A. J. Institute of Engineering and Technology Mangaluru



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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

(25-02-2021)

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	1	CSE	40	1	5	40*5=200
Grand Total						=200

Total Number of Virtual Labs Experiments Performed: 200

Mr. John Prakash Veigas
Faculty in-charge

Dr. Shantharama Rai C.
Principal

Principal

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



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AJIET/NOTICE/01/2020-21

Date: 20-02-2021

The virtual lab awareness program is scheduled for the First Year B.E students on the following dates in CAD Lab.

Section	Date	Time
A Section	25/02/2021	12.05PM -1:00PM
B Section	25/02/2021	9:55AM -10:50AM
C Section	25/02/2021	12.05PM -1:00PM
D Section	26/02/2021	2.00PM -2:55PM
E Section	26/02/2021	12.05PM -1:00PM

All the students are informed to attend without fail.

[Mr. John Prakash Veigas]
Coordinator-Virtual Labs

PRINCIPAL
A.J. Institute of Engineering & Technology

A Section 	B Section 	C Section 	D Section 	E section
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CC to HOD's :

CIVIL 	CSE 	ECE	ISE 	Mechanical 	I Year HOD/Coordinator
A Section 	B Section	C Section	D Section	E section	



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AJIET/NOTICE/02/2020-21

20-02-2021

The following faculty members are requested to conduct the virtual lab awareness program to the first year students.

Section	Faculty	Sign
A Section	Mr. Rakesh M R	<i>[Signature]</i>
B Section	Mrs. Snitha Shetty	<i>[Signature]</i>
C Section	Mr. Nikhil N	<i>[Signature]</i>
D Section	Mr. Harold J Dsouza	<i>[Signature]</i>
E Section	Mr. John Prakash Veigas	<i>[Signature]</i>

[Signature]
Virtual Lab Coordinator

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

CC to HOD's :

CIVIL <i>[Signature]</i>	CSE <i>[Signature]</i>	ECE	ISE <i>[Signature]</i>	Mechanical <i>[Signature]</i>
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Schedule is attached.



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AJIET/NOTICE/03/2020-21

05-04-2021

Notice

A meeting of virtual lab committee is scheduled on today (05-04-2021) in the Project Lab(A-305) at 11:30 AM to discuss about the action plan and its implementation. All the committee members are requested to attend.

Participant Name	Sign
Dr.Gnane Swarnadh Satapathi	
Mrs Snitha Shetty	
Mr Rakesh M R	
Mr.Harold Joyson Dsouza.	
Mr. Nikhil N.	

Virtual Lab Coordinator

Principal 05/04/2021

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

CC:

Vice President-LMET



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Date:16/06/2021

AJIET/VLAB/4/2020-21

Circular

All the course instructors/subject teachers including first years are requested to give demonstrations beyond the syllabus from virtual labs for the available experiments in the 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. The department virtual lab coordinators are requested to prepare mapping of Virtual labs with VTU Subjects for even semester and monitor this activity.

Virtual Lab Coordinator

Principal

Principal
A.J. Institute of Engineering & Technology
Mangaluru

CC	HODs	CSE	ECE	ISE	ME	CIV	First year
	Dept. Coordinators						



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Programme Organized in Academic year 2020-21

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	Hands on Awareness program on Virtual Lab –I Sem CSE	40	0	25-02-2021	1
2	Hands on Awareness program on Virtual Lab –E Section I Year	20	0	25-02-2021	1.5
3	Hands on Awareness program on Virtual Lab –I Sem Civil	35	0	25-02-2021	1.5
4	workshop on virtual lab –I Sem CSE,ISE –I Year	44	3	26-02-2021	2
5	Hands on Awareness Program on Virtual Labs –D Section I year	41	2	28-02-2021	1

List of Experiments performed in Virtual Lab(2020-21)

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
Image Arithmetic, Digital image processing	Digital Image processing	Digital Image processing	22	VII & B.E(ECE)	08-09-2020	Dr. Gnane Swarnadh Satapathi
Image histogram, Digital Image processing	Digital Image processing	Digital Image processing	22	VII & B.E(ECE)	21-09-2020	Dr. Gnane Swarnadh Satapathi
Distance and Connectivity, Digital image Processing	Digital Image processing	Digital Image processing	22	VII & B.E(ECE)	29-09-2020	Dr. Gnane Swarnadh Satapathi
Morphological Operations, Digital Image Processing	Digital Image processing	Digital Image processing	22	VII & B.E(ECE)	21-10-2020	Dr. Gnane Swarnadh Satapathi


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Sampling Theorem, Digital Signal Processing	Digital Signal Processing	Digital Signal Processing	45	V & B.E(ECE)	07-09-2020	Dr. Gnane Swarnadh Satapathi
Quantization, Digital Signal Processing	Digital Signal Processing	Digital Signal Processing	45	V & B.E(ECE)	22-09-2020	Dr. Gnane Swarnadh Satapathi
Discrete Fourier Transform, Digital Signal Processing	Digital Signal Processing	Digital Signal Processing	45	V & B.E(ECE)	24-09-2020	Dr. Gnane Swarnadh Satapathi
Verification of Basic Gates, Digital System Design	Digital Electronics LAB	Digital System Design lab	50	III & B.E(ECE)	07-09-2020	Mr. Mohan AR
Adders and subtractors (Half and Full), Digital System Design	Digital Electronics LAB	Digital System Design lab	50	III & B.E(ECE)	21-09-2020	Mr. Mohan AR
Flipflops, Digital System Design	Digital Electronics LAB	Digital System Design lab	50	III & B.E(ECE)	05-09-2020	Mr. Mohan AR
Half Wave rectifier	Basic Electronics	Electronic Devices & Instrumentation lab	50	III & B.E(ECE)	21-11-2020	Mrs. Sahana A
Full Wave rectifier	Basic Electronics	Electronic Devices & Instrumentation lab	50	III & B.E(ECE)	26-11-2020	Mrs. Sahana A
Series voltage regulator characteristics	Basic Electronics	Electronic Devices & Instrumentation lab	50	III & B.E(ECE)	28-11-2020	Mrs. Sahana A
study of basic properties of OPAMP: inverting & non inverting amplifiers	Basic Electronics	analog circuits	62	IV & B.E (ECE)	22-07-2021	Mrs.Thrapthi Shetty
design and simulate differentiator circuit	Basic Electronics	analog circuits	62	IV & B.E (ECE)	22-07-2021	Mrs.Thrapthi Shetty

Principal

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study the behaviour of terminated coaxial transmission line in frequency domain	RF and Microwave Characterisation lab	Microwave and Antennas	48	VI & B.E (ECE)	26-07-2021	Mrs.Divya A
Study of field pattern of various modes inside a rectangular waveguide	RF and Microwave Characterisation lab	Microwave and Antennas	48	VI & B.E (ECE)	29-07-2021	Mrs.Divya A
Study of field pattern of various modes inside a rectangular cavity	RF and Microwave Characterisation lab	Microwave and Antennas	48	VI & B.E (ECE)	02-08-2021	Mrs.Divya A
Observe the transient phenomenon of terminated coaxial transmission lines in order to study their time domain behavior	RF and Microwave Characterisation lab	Microwave and Antennas	48	VI & B.E (ECE)	18-07-2021	Mrs.Divya A
Depth First Search	Data structures-I	Data structure lab-18CSL38	64	3rd sem-CSE	6-12-2020	Mrs. Saranya Babu
Binary Search tree	Data structures-I	Data structure lab-18CSL38	64	3rd sem-CSE	13-12-2020	Mrs. Saranya Babu
Stacks and Queues	Data structures-I	Data structure lab-18CSL38	64	3rd sem-CSE	20-12-2020	Mrs. Saranya Babu
Basics of Network Simulation	Advanced Network Technologies virtual lab	Computer Network laboratory-18CSL57	69	5th sem-CSE	26-11-2020	Mrs Snitha Shetty
Simulating a Local Area Network	Advanced Network Technologies virtual lab	Computer Network laboratory-18CSL57	69	5th sem-CSE	2-12-2020	Mrs Snitha Shetty
Measuring Network Performance	Advanced Network Technologies virtual lab	Computer Network laboratory-18CSL57	69	5th sem-CSE	9-12-2020	Mrs Snitha Shetty

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Simulating a WI-FI Network	Advanced Network Technologies virtual lab	Computer Network laboratory-18CSL57	69	5th sem-CSE	14-12-2020	Mrs Snitha Shetty
Introduction to HTML	Basics of HTML Lab	Web programming Lab-17CSL77	48	7th sem-CSE	21-12-2020	Mrs Sharon D'souza
Applying Attributes in HTML Tag	Basics of HTML Lab	Web programming Lab-17CSL77	48	7th sem-CSE	12-11-2020	Mrs Sharon D'souza
Inserting images through img tags	Basics of HTML Lab	Web programming Lab-17CSL77	48	7th sem-CSE	27-11-2020	Mrs Sharon D'souza
Creating tables in HTML	Basics of HTML Lab	Web programming Lab-17CSL77	48	7th sem-CSE	2-12-2020	Mrs Sharon D'souza
Types of Lists in HTML	Basics of HTML Lab	Web programming Lab-17CSL77	48	7th sem-CSE	9-12-2020	Mrs Sharon D'souza
Depth First Search	Data structures-I	Data structure lab-18CSL38	64	3rd sem-CSE	6-12-2020	Mrs. Saranya Babu
Binary Search tree	Data structures-I	Data structure lab-18CSL38	64	3rd sem-CSE	13-12-2020	Mrs. Saranya Babu
Stacks and Queues	Data structures-I	Data structure lab-18CSL38	64	3rd sem-CSE	20-12-2020	Mrs. Saranya Babu
Basics of Network Simulation	Advanced Network Technologies virtual lab	Computer Network laboratory-18CSL57	69	5th sem-CSE	26-11-2020	Mrs Snitha Shetty
Simulating a Local Area Network	Advanced Network	Computer Network	69	5th sem-CSE	2-12-2020	Mrs Snitha Shetty



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	Technologies virtual lab	laboratory-18CSL57				
Measuring Network Performance	Advanced Network Technologies virtual lab	Computer Network laboratory-18CSL57	69	5th sem-CSE	9-12-2020	Mrs Snitha Shetty
Simulating a WI-FI Network	Advanced Network Technologies virtual lab	Computer Network laboratory-18CSL57	69	5th sem-CSE	14-12-2020	Mrs Snitha Shetty
Introduction to HTML	Basics of HTML Lab	Web programming Lab-17CSL77	48	7th sem-CSE	21-12-2020	Mrs Sharon D'souza
Applying Attributes in HTML Tag	Basics of HTML Lab	Web programming Lab-17CSL77	48	7th sem-CSE	12-11-2020	Mrs Sharon D'souza
Inserting images through img tags	Basics of HTML Lab	Web programming Lab-17CSL77	48	7th sem-CSE	27-11-2020	Mrs Sharon D'souza
Creating tables in HTML	Basics of HTML Lab	Web programming Lab-17CSL77	48	7th sem-CSE	2-12-2020	Mrs Sharon D'souza
Points and Co-ordinate System	Computer Graphics	Computer Graphics Laboratory-18CSL67	65	6th sem-CSE	11-5-2021	Mrs. Saranya Babu
Transformation: Translation	Computer Graphics	Computer Graphics Laboratory-18CSL67	65	6thsem-CSE	10-6-2021	Mrs. Saranya Babu
Transformation:Rotation	Computer Graphics	Computer Graphics Laboratory-18CSL67	65	6thsem-CSE	20-7-2021	Mrs. Saranya Babu

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Clipping Line	Computer Graphics	Computer Graphics Laboratory-18CSL67	65	6thsem-CSE	28-7-2021	Mrs. Saranya Babu
Numerical Approximation	Computer Programming Lab	C programming Lab-18CPL27	43	2nd sem-CSE	10-6-2021	Mrs Sharon D'souza
Functions	Computer Programming Lab	C programming Lab-18CPL27	43	2nd sem-CSE	10-6-2021	Mrs Sharon D'souza
Arrays	Computer Programming Lab	C programming Lab-18CPL27	43	2nd sem-CSE	20-7-2021	Mrs Sharon D'souza
Structures	Computer Programming Lab	C programming Lab-18CPL27	43	2nd sem-CSE	20-7-2021	Mrs Sharon D'souza
Pointers	Computer Programming Lab	C programming Lab-18CPL27	43	2nd sem-CSE	20-7-2021	Mrs Sharon D'souza
Recursion	Computer Programming Lab	C programming Lab-18CPL27	43	2nd sem-CSE	10-6-2021	Mrs Sharon D'souza
Numerical Representation	Problem Solving Lab	C programming for problem solving-18CPS23	44	2nd sem-CSE	10-6-2021	Mr. Chanchal Antony
Factorial	Problem Solving Lab	C programming for problem solving-18CPS23	44	2nd sem-CSE	10-6-2021	Mr. Chanchal Antony
String Operation	Problem Solving Lab	C programming for problem solving-18CPS23	44	2nd sem-CSE	28-7-2021	Mr. Chanchal Antony


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Searching and Sorting	Problem Solving Lab	C programming for problem solving-18CPS23	44	2nd sem-CSE	28-7-2021	Mr. Chanchal Antony
Introduction to HTML	Basics of HTML Lab	Web Technology and its Applications-18CS63	65	6th sem-CSE	11-5-2021	Mr. Basappa B K
Applying Attributes in HTML Tag	Basics of HTML Lab	Web Technology and its Applications-18CS63	65	6th sem-CSE	10-6-2021	Mr. Basappa B K
Inserting images through img tags	Basics of HTML Lab	Web Technology and its Applications-18CS63	65	6th sem-CSE	20-7-2021	Mr. Basappa B K
Creating tables in HTML	Basics of HTML Lab	Web Technology and its Applications-18CS63	65	6th sem-CSE	28-7-2021	Mr. Basappa B K
Types of Lists in HTML	Basics of HTML Lab	Web Technology and its Applications-18CS63	65	6th sem-CSE	28-7-2021	Mr. Basappa B K
Tension tests on mild steel	Strethn of Material	Building Material testing lab	23	14/9/2020	3rd sem	Mr. Saketh Shetty
Torsion test on mild steel circular shaft	Strethn of Material	Building Material testing lab	29	21/9/2020	3rd sem	Mr. Saketh Shetty

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Charpy test	Streth of Material	Building Material testing lab	22	12/10/2020	3rd sem	Mr. Saketh Shetty
Izod test	Streth of Material	Building Material testing lab	30	19/10/2020	3rd sem	Mr. Saketh Shetty
Standard consistency of cement	Concrete lab	Concrete and Highway Materials Lab	30	15/9/2020	5th sem	Dr. Sangeetha D M
Initial setting time of cement	Concrete lab	Concrete and Highway Materials Lab	30	15/9/2020	5th sem	Dr. Sangeetha D M
specific gravity of cement	Concrete lab	Concrete and Highway Materials Lab	29	22/9/2020	5th sem	Dr. Sangeetha D M
slump test	Concrete lab	Concrete and Highway Materials Lab	32	6/10/2020	5th sem	Dr. Sangeetha D M
Crushing Value of Aggregate	Transportation Engineering	Concrete and Highway Materials Lab	28	13/10/2020	5th sem	Dr. Sangeetha D M
Impact Test on Aggregate	Transportation Engineering	Concrete and Highway Materials Lab	29	20/10/2020	5th sem	Dr. Sangeetha D M
Los Angeles Abrasion Test on Aggregate	Transportation Engineering	Concrete and Highway Materials Lab	29	20/10/2020	5th sem	Dr. Sangeetha D M
Ductility Test on Bitumen	Transportation Engineering	Concrete and Highway Materials Lab	30	27/10/2020	5th sem	Dr. Sangeetha D M
softening point of bitumen	Transportation Engineering	Concrete and Highway Materials Lab	32	3/11/2020	5th sem	Dr. Sangeetha D M

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Determination of TS, TDS and TSS in water	Environmental Engineering	Environmental Engineering	35	15/9/2020	7th sem	Mr. Nitesh
Determination of Alkalinity in water	Environmental Engineering	Environmental Engineering	36	22/9/2020	7th sem	Mr. Nitesh
Determination of Hardness in water	Environmental Engineering	Environmental Engineering	36	29/9/2020	7th sem	Mr. Nitesh
Determination of Chloride in water	Environmental Engineering	Environmental Engineering	33	29/9/2020	7th sem	Mr. Nitesh
Determination of Total Iron in water	Environmental Engineering	Environmental Engineering	32	6/10/2020	7th sem	Mr. Nitesh
Determination of pH	Environmental Engineering	Environmental Engineering	29	6/11/2020	7th sem	Mr. Nitesh
Determination of Biological Oxygen Demand	Environmental Engineering	Environmental Engineering	30	13/10/2020	7th sem	Mr. Nitesh
Proell Governor	Dynamics of Machines	Dynamics of Machines	22	5 Sem - BE(ME)	14-10-2020	Mr. Sudheer Kini
Porter Governor	Dynamics of Machines	Dynamics of Machines	20	5 Sem - BE(ME)	17-10-2020	Mr. Sudheer Kini
Hartnell Governor	Dynamics of Machines	Dynamics of Machines	16	5 Sem - BE(ME)	21-10-2020	Mr. Sudheer Kini
Performance Characteristics of Francis Turbine	Fluid Machinery Lab	Fluid Mechanics and Machinery Lab	24	5 Sem - BE(ME)	8-10-2020	Mr. Karthik A V


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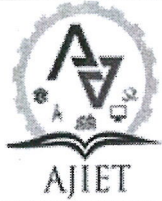
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Performance Characteristics of Kaplan Turbine	Fluid Machinery Lab	Fluid Mechanics and Machinery Lab	20	5 Sem - BE(ME)	15-10-2020	Mr. Karthik A V
Proell Governor	Dynamics of Machines	Dynamics of Machines	22	5 Sem - BE(ME)	14-10-2020	Mr. Sudheer Kini
Porter Governor	Dynamics of Machines	Dynamics of Machines	20	5 Sem - BE(ME)	17-10-2020	Mr. Sudheer Kini
Hartnell Governor	Dynamics of Machines	Dynamics of Machines	16	5 Sem - BE(ME)	21-10-2020	Mr. Sudheer Kini


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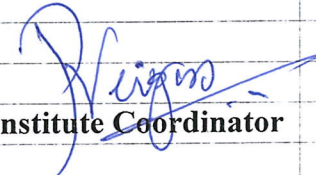
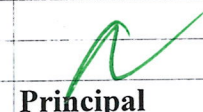
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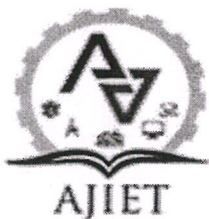
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Department of Electronics and Communication Engineering

Vlab Experiments used in the academic courses in Academic Year 2020-21 odd Semester

Name of Experiment and Lab in VLab	Name of Lab Course as per Curriculum	No. of Students	Semester & Programme	Name of Course Coordinator
Construction of a NOR gate latch and verification of its operation	Digital System Design Lab	62	III Sem ECE	Mr. Mohan A R
Verify the truth table of RS, JK, T and D flip-flops using NAND and NOR gates	Digital System Design Lab	62	III Sem ECE	Mr. Mohan A R
Design and verify the 4- Bit Synchronous or Asynchronous Counter using JK Flip Flop	Digital System Design Lab	62	III Sem ECE	Mr. Mohan A R
Implementation of 8:1 multiplexer using MSI ICs	HDL Lab	48	IV Sem ECE	Mrs. Prathiksha Rai
No. of Vlab Workshops/Trainings Conducted :				
Total No. Of Participants covered				
Name of Department coordinator		Mr. Ganesh U G		
 Department Coordinator	 Institute Coordinator			 Principal

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Department of Information Science and Engineering

Vlab Experiments to be used in the academic courses Odd Semester 2020-21 - Action Plan

Name of Experiment and Lab in VLab	Name of Lab Course as per Curriculum	Semester & Programme	Name of Course Coordinator
VI characteristic of the diode - Basic Electronics	Analog and Digital Electronics Lab	ISE - 3rd semester	Mr Rakesh M R
Study of basic properties of operational amplifier - Basic Electronics	Analog and Digital Electronics Lab	ISE - 3rd semester	Mr Rakesh M R
number system - Data structure lab	Data structures lab	ISE - 3rd semester	Mr John Prakash Veigas
sorting using array - Data structure lab	Data structures Lab	ISE - 3rd semester	Mr John Prakash Veigas
Polynomials via Linked Lists - Data structure lab	Data structures Lab	ISE - 3rd semester	Mr John Prakash Veigas
Arrays - computer programming lab	C programming lab	ISE - 1st semester	Mrs Sharanya P S
Structure - computer programming lab	C programming lab	ISE - 1st semester	Mrs Sharanya P S
Pointers - computer programming lab	C programming lab	ISE - 1st semester	Mrs Sharanya P S
Recursion - computer programming lab	C programming lab	ISE - 1st semester	Mrs Sharanya P S
Verification and interpretation of truth table for AND, OR, NOT, NAND, NOR, Ex-OR, Ex-NOR gates - Digital Electronics lab	Analog and Digital Electronics Lab	ISE - 3rd semester	Mr Rakesh M R
Design and verify the 4- Bit Synchronous or Asynchronous Counter using JK Flip Flop - Digital electronics lab	Analog and Digital Electronics Lab	ISE - 3rd semester	Mr Rakesh M R
Computer Systems Organization lab	Computer organization	ISE - 3rd semester	Dr. Nagesh H R

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Ripple Carry Adder - Logic Design and Computer Organization Virtual Lab	Computer organization	ISE - 3rd semester	Dr. Nagesh H R
Carry-Look-Ahead Adder - Logic Design and Computer Organization Virtual Lab	Computer organization	ISE - 3rd semester	Dr. Nagesh H R
Quine - Mc Clusky Algorithm - Logic Design and Computer Organization Virtual Lab	Analog and Digital Electronics Lab	ISE - 3rd semester	Mr Rakesh M R
ARM Assembly Language Programming - 1 - Computer Systems Organization lab	Microcontroller and Embedded systems	ISE - 4th semester	Mr Rakesh M R
ARM Assembly Language Programming - 2 - - Computer Systems Organization lab	Microcontroller and Embedded systems	ISE - 4th semester	Mr Rakesh M R
Introduction to HTML - Basics of HTML	Web Technology and application	ISE - 7th semester	Mrs Shilpa Shetty
Creating Tables in HTML - Basics of HTML	Web Technology and application	ISE - 7th semester	Mrs Shilpa Shetty
Name of Department coordinator: Mr Rakesh M R			


29/9/20
Department coordinator




29/9/2020
Institute Coordinator


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Department of Mechanical Engineering

Vlab Experiments used in the academic courses in Academic Year 2020-21

Name of Experiment and Lab in VLab	Name of Lab Course as per Curriculum	Semester & Programme	Name of Course Coordinator
Proell Governor	Dynamics of Machine	V, Mechanical Engineering	Mr. Sudheer Kini
Porter Governor	Dynamics of Machine	V, Mechanical Engineering	Mr. Sudheer Kini
Hartnell Governor	Dynamics of Machine	V, Mechanical Engineering	Mr. Sudheer Kini
Performance Characteristics of Francis Turbine	Fluid Mechanics Lab	V, Mechanical Engineering	Mr. Prashanth
Performance Characteristics of Kaplan Turbine	Fluid Mechanics Lab	V, Mechanical Engineering	Mr. Prashanth
Metal Forming	Metal Casting and Welding	III, Mechanical Engineering	Dr. Rajesh Rai
Name of Department coordinator : Harold D'souza			
Department Coordinator	Institute Coordinator		Principal

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Department of Civil Engineering

Virtual Lab Experiments Conducted in the academic courses Odd Semester 2020-21

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
Tension tests on mild steel	Strenth of Material	Building Material testing lab	23	14/9/2020	3rd sem	Mr. Saketh Shetty
Torsion test on mild steel circular shaft	Strenth of Material	Building Material testing lab	29	21/9/2020	3rd sem	Mr. Saketh Shetty
Charpy test	Strenth of Material	Building Material testing lab	22	12/10/2020	3rd sem	Mr. Saketh Shetty
Izod test	Strenth of Material	Building Material testing lab	30	19/10/2020	3rd sem	Mr. Saketh Shetty
Standard consistency of cement	Concrete lab	Concrete and Highway Materials Lab	30	15/9/2020	5th sem	Dr. Sangeetha D M
Initial setting time of cement	Concrete lab	Concrete and Highway Materials Lab	30	15/9/2020	5th sem	Dr. Sangeetha D M
specific gravity of cement	Concrete lab	Concrete and Highway Materials Lab	29	22/9/2020	5th sem	Dr. Sangeetha D M
slump test	Concrete lab	Concrete and Highway Materials Lab	32	6/10/2020	5th sem	Dr. Sangeetha D M
Crushing Value of Aggregate	Transportation Engineering	Concrete and Highway Materials Lab	28	13/10/2020	5th sem	Dr. Sangeetha D M
Impact Test on Aggregate	Transportation Engineering	Concrete and Highway Materials Lab	29	20/10/2020	5th sem	Dr. Sangeetha D M
Los Angeles Abrasion Test on Aggregate	Transportation Engineering	Concrete and Highway Materials Lab	29	20/10/2020	5th sem	Dr. Sangeetha D M
Ductility Test on Bitumen	Transportation Engineering	Concrete and Highway Materials Lab	30	27/10/2020	5th sem	Dr. Sangeetha D M
softening point of bitumen	Transportation Engineering	Concrete and Highway Materials Lab	32	3/11/2020	5th sem	Dr. Sangeetha D M
Determination of TS,TDS and TSS in water	Environmental Engineering	Environmental Engineering	35	15/9/2020	7th sem	Mr. Nitesh
Determination of Alkalinity in water	Environmental Engineering	Environmental Engineering	36	22/9/2020	7th sem	Mr. Nitesh
Determination of Hardness in water	Environmental Engineering	Environmental Engineering	36	29/9/2020	7th sem	Mr. Nitesh
Determination of Chloride in water	Environmental Engineering	Environmental Engineering	33	29/9/2020	7th sem	Mr. Nitesh
Determination of Total Iron in water	Environmental Engineering	Environmental Engineering	32	6/10/2020	7th sem	Mr. Nitesh
Determination of pH	Environmental Engineering	Environmental Engineering	29	6/11/2020	7th sem	Mr. Nitesh
Determination of Biological Oxygen Demand	Environmental Engineering	Environmental Engineering	30	13/10/2020	7th sem	Mr. Nitesh
Alum Coagulation	Environmental Engineering	Environmental Engineering	36	20/10/2020	7th sem	Mr. Nitesh
Determination of Break-Point Chloride demand in	Environmental Engineering	Environmental Engineering	38	27/10/2020	7th sem	Mr. Nitesh
Determination of Dissolved Oxygen in water	Environmental Engineering	Environmental Engineering	29	3/11/2020	7th sem	Mr. Nitesh
Determination of Turbidity in water	Environmental Engineering	Environmental Engineering	33	3/11/2020	7th sem	Mr. Nitesh


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Department of Computer Science and Engineering

Virtual Lab Experiments Conducted in the academic courses Odd Semester 2020-21

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
1.Depth First Search	Data structures-I	Data structure lab-18CSL38	64	3rd sem-CSE	6-12-2020	Mrs. Saranya Babu
2.Binary Search tree	Data structures-I	Data structure lab-18CSL38	64	3rd sem-CSE	13-12-2020	Mrs. Saranya Babu
3.Stacks and Queues	Data structures-I	Data structure lab-18CSL38	64	3rd sem-CSE	20-12-2020	Mrs. Saranya Babu
4.Basics of Network Simulation	Advanced Network Technologies virtual lab	Computer Network laboratory-18CSL57	69	5th sem-CSE	26-11-2020	Mrs Snitha Shetty
5.Simulating a Local Area Network	Advanced Network Technologies virtual lab	Computer Network laboratory-18CSL57	69	5th sem-CSE	2-12-2020	Mrs Snitha Shetty
6.Measuring Network Performance	Advanced Network Technologies virtual lab	Computer Network laboratory-18CSL57	69	5th sem-CSE	9-12-2020	Mrs Snitha Shetty
7.Simulating a WI-FI Network	Advanced Network Technologies virtual lab	Computer Network laboratory-18CSL57	69	5th sem-CSE	14-12-2020	Mrs Snitha Shetty
8.Introduction to HTML	Basics of HTML Lab	Web programming Lab-17CSL77	48	7th sem-CSE	21-12-2020	Mrs Sharon D'souza
9.Applying Attributes in HTML Tag	Basics of HTML Lab	Web programming Lab-17CSL77	48	7th sem-CSE	12-11-2020	Mrs Sharon D'souza
10.Inserting images through img tags	Basics of HTML Lab	Web programming Lab-17CSL77	48	7th sem-CSE	27-11-2020	Mrs Sharon D'souza
11. Creating tables in HTML	Basics of HTML Lab	Web programming Lab-17CSL77	48	7th sem-CSE	2-12-2020	Mrs Sharon D'souza
12.Types of Lists in HTML	Basics of HTML Lab	Web programming Lab-17CSL77	48	7th sem-CSE	9-12-2020	Mrs Sharon D'souza


Department Coordinator


24/12/2020
Institute Coordinator


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Department of Electronics and Communication Engineering

Vlab Experiments Conducted in the academic courses Odd Semester 2020-21

Name of Experiment and Lab in VLab	Name of Lab in VLab	Name of Lab Course as per Curriculum	No. of Students	Semester & Programme	Date of Conduction	Name of Course Instructor
Image Arithmetic, Digital image processing	Digital Image procesing	Digital Image procesing	22	VII & B.E(ECE)	08-09-2020	Dr. Gnane Swarnadh Satapathi
Image histogram, Digital Image processing	Digital Image procesing		22	VII & B.E(ECE)	21-09-2020	
Distance and Connectivity, Digital image Processing	Digital Image procesing		22	VII & B.E(ECE)	29-09-2020	
Morphological Operations, Digital Image Processing	Digital Image procesing		22	VII & B.E(ECE)	21-10-2020	
Sampling Theorem, Digital Signal Processing	Digital Signal Processing	Digital Signal Processing	45	V & B.E(ECE)	07-09-2020	Dr. Gnane Swarnadh Satapathi
Quantization, Digital Signal Processing	Digital Signal Processing		45	V & B.E(ECE)	22-09-2020	
Discrete Fourier Transform, Digital Signal Processing	Digital Signal Processing		45	V & B.E(ECE)	24-09-2020	
Verification of Basic Gates, Digital System Design	Digital Electronics LAB	Digital System Design lab	50	III & B.E(ECE)	07-09-2020	Mr. Mohan AR
Adders and subtractors (Half and Full), Digital System Design	Digital Electronics LAB		50	III & B.E(ECE)	21-09-2020	
Flipflops, Digital System Design	Digital Electronics LAB		50	III & B.E(ECE)	05-09-2020	
Half Wave rectifier	Basic Electronics	Electronic Devices & Instrumentation lab	50	III & B.E(ECE)	21-11-2020	Mrs. Sahana A
Full Wave rectifier	Basic Electronics		50	III & B.E(ECE)	26-11-2020	
Series voltage regulator characteristics	Basic Electronics		50	III & B.E(ECE)	28-11-2020	

P. Veni 23/12/20
Department Coordinator

R. Nagesh 23/12/2020
Institute Coordinator

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Department of Information Science and Engineering

Virtual lab experiments conducted in the academic courses - ODD Semester 2020-2021

Name of Experiment	Name of the Vlab	Name of Lab Course as per Curriculum	No. of Students	Semester & Programme	Date of Conduction	Name of Course Instructor
VI characteristic of the diode	BASIC ELECTRONICS VIRTUAL LABORATORY	Analog and Digital Electronics theory	52	ISE - 3rd semester	16 / 10 / 2020	Mr Rakesh M R
Study of basic properties of operational amplifier	BASIC ELECTRONICS VIRTUAL LABORATORY	Analog and Digital Electronics theory	52	ISE - 3rd semester	16 / 10 / 2020	Mr Rakesh M R
Verification and interpretation of truth table for AND, OR, NOT, NAND, NOR, Ex-OR, Ex-NOR gates	Digital Electronics VIRTUAL LABORATORY	Analog and Digital Electronics theory	52	ISE - 3rd semester	16 / 10 / 2020	Mr Rakesh M R
Verification and interpretation of truth table for AND, OR, NOT, NAND, NOR, Ex-OR, Ex-NOR gates	Digital Electronics VIRTUAL LABORATORY	Analog and Digital Electronics Lab	52	ISE - 3rd semester	16 / 10 / 2020	Mr Rakesh M R
To Study and Verify Half and Full Subtractor	Digital Electronics VIRTUAL LABORATORY	Analog and Digital Electronics Lab	52	ISE - 3rd semester	16 / 10 / 2020	Mr Rakesh M R
Realization of logic functions with the help of Universal Gates (NAND, NOR)	Digital Electronics VIRTUAL LABORATORY	Analog and Digital Electronics theory	52	ISE - 3rd semester	16 / 10 / 2020	Mr Rakesh M R
Construction of half and full adder using XOR and NAND gates and verification of its operation	Digital Electronics VIRTUAL LABORATORY	Analog and Digital Electronics Lab	52	ISE - 3rd semester	16 / 10 / 2020	Mr Rakesh M R
Verify the truth table of RS, JK, T and D flip-flops using NAND and NOR gates	Digital Electronics VIRTUAL LABORATORY	Analog and Digital Electronics Lab	52	ISE - 3rd semester	16 / 10 / 2020	Mr Rakesh M R
Verify Binary to Gray and Gray to Binary conversion using NAND gates only	Digital Electronics VIRTUAL LABORATORY	Analog and Digital Electronics Lab	52	ISE - 3rd semester	16 / 10 / 2020	Mr Rakesh M R
Selection Sort	Data Structures – 1	Data structures laboratory	57	ISE - 3rd semester	14 / 10 / 2020	Mr John Prakash Veigas
Bubble Sort Experiment	Data Structures – 2	Data structures laboratory	57	ISE - 3rd semester	17 / 10 / 2020	Mr John Prakash Veigas
Modeling UML Use Case Diagrams and Capturing Use Case Scenarios	Data structures virtual laboratory	SOFTWARE ENGINEERING	63	ISE - 3rd semester	3/12/2020	Mrs.Vineetha Pais
Introduction to stacks and queues	Data structures virtual laboratory	Data structure virtual laboratory	63	ISE - 3rd semester	3/12/2020	Mrs.Vineetha Pais
Implementation of AND/OR/NOT Gate using Single Layer Perceptron	Mchine learning lab	Machine learning lab	22	ISE - 7th semester	11-12-2020	Dr Govindaraj P

Name of Department coordinator: Mr Rakesh M R

Rakesh M R
23/12/2020
Department coordinator



Veigas
24-12-2020
Institute Coordinator

[Signature]
Principal

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Department of Mechanical Engineering

Virtual Lab Experiments Conducted in the academic courses Odd Semester 2020-21

Name of the Experiment in VLab	Name of the Lab in VLab	Name of Lab/ Theory Course as per Curriculum	No. of Students	Semester & Programme	Date of Conduction	Name of Course Instructor
Proell Governor	Dynamics of Machines	Dynamics of Machines	22	5 Sem -BE(ME)	14-10-2020	Mr. Sudheer Kini
Porter Governor	Dynamics of Machines	Dynamics of Machines	20	5 Sem -BE(ME)	17-10-2020	
Hartnell Governor	Dynamics of Machines	Dynamics of Machines	16	5 Sem -BE(ME)	21-10-2020	
Performance Characteristics of Francis Turbine	Fluid Machinery Lab	Fluid Mechanics and Machinery Lab	24	5 Sem -BE(ME)	8-10-2020	Mr. Karthik A V
Performance Characteristics of Kaplan Turbine	Fluid Machinery Lab	Fluid Mechanics and Machinery Lab	20	5 Sem -BE(ME)	15-10-2020	

Name of Department coordinator : Mr Harold Joyson DSouza


Department Coordinator


Institute Coordinator


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NH 66, Kottara Chowki, Mangaluru 575006

Department of Electronics and Communication Engineering

Vlab Experiments Conducted in the academic courses ^{even} Semester 2020-21

Name of Experiment and Lab in VLab	Name of Lab in VLab	Name of Lab Course as per Curriculum	No. of Students	Semester & Programme	Date of Conduction	Name of Course Instructor
study of basic properties of OPAMP: inverting & non inverting amplifiers	Basic Electronics	analog circuits	62	IV & B.E (ECE)	22-07-2021	Mrs.Thrapthi Shetty
design and simulate differentiator circuit	Basic Electronics	analog circuits	62	IV & B.E (ECE)	22-07-2021	Mrs.Thrapthi Shetty
study the behaviour of terminated coaxial transmission line in frequency domain	RF and Microwave Characterisation lab	Microwave and Antennas	48	VI & B.E (ECE)	26-07-2021	Mrs.Divya A
Study of field pattern of various modes inside a rectangular waveguide	RF and Microwave Characterisation lab	Microwave and Antennas	48	VI & B.E (ECE)	29-07-2021	Mrs.Divya A
Study of field pattern of various modes inside a rectangular cavity	RF and Microwave Characterisation lab	Microwave and Antennas	48	VI & B.E (ECE)	02-08-2021	Mrs.Divya A
Observe the transient phenomenon of terminated coaxial transmission lines in order to study their time domain behavior	RF and Microwave Characterisation lab	Microwave and Antennas	48	VI & B.E (ECE)	18-07-2021	Mrs.Divya A



Department Coordinator

Reyom
Institute Coordinator

[Signature]
Principal

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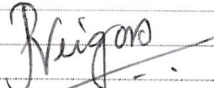

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

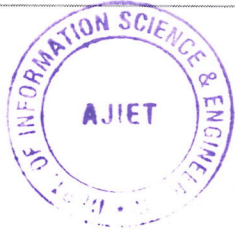
Vlab Experiments conducted in the academic courses EVEN Semester 2020-2021

Name of Experiment	Name of the Vlab	Name of Lab Course as per Curriculum	No. of Students	Semester & Programme	DATE	Name of Course Coordinator
Introduction to HTML	Basics of HTML Lab	Web Technology and its Applications-18CS63	57	6th sem-ISE	12-5-2021	Mr. John Prakash Veigas
.Applying Attributes in HTML Tag	Basics of HTML Lab	Web Technology and its Applications-18CS63	57	6th sem-ISE	10-6-2021	Mr. John Prakash Veigas
Inserting images through img tags	Basics of HTML Lab	Web Technology and its Applications-18CS63	57	6th sem-ISE	20-7-2021	Mr. John Prakash Veigas
Creating tables in HTML	Basics of HTML Lab	Web Technology and its Applications-18CS63	57	6th sem-ISE	28-7-2021	Mr. John Prakash Veigas
Types of Lists in HTML	Basics of HTML Lab	Web Technology and its Applications-18CS63	57	6th sem-ISE	28-7-2021	Mr. John Prakash Veigas
To Understand the Concept of Quick Sort	DATA STRUCTURES	Design and analysis of algorithms lab -18CSL47	62	4th sem-ISE	22-7-2021	Mrs.Aruna Kumari G K
To Understand the Concept of Prim's Algorithm for Minimum Spanning tree	DATA STRUCTURES	Design and analysis of algorithms lab -18CSL47	62	4th sem-ISE	22-7-2021	Mrs.Aruna Kumari G K
To Understand the Concept of Merge Sort	DATA STRUCTURES	Design and analysis of algorithms lab -18CSL47	62	4th sem-ISE	29-7-2021	Mrs.Aruna Kumari G K
To Understand the Concept of Kruskal Algorithm for Minimum Spanning Tree	DATA STRUCTURES	Design and analysis of algorithms lab -18CSL47	62	4th sem-ISE	30-7-2022	Mrs.Aruna Kumari G K
Estimation of Test Coverage Metrics and Structural Complexity	Software Engineering Virtual Lab	Software Testing laboratory-18ISL66	57	6th sem ISE	11-6-2021	Mrs Vineetha Pais
Designing Test Suites	Software Engineering Virtual Lab	Software Testing laboratory-18ISL66	57	6th sem ISE	11-6-2021	Mrs Vineetha Pais
To understand the inheritance in Java	Core Java Programming	Object Oriented Concepts - 18CS46	62	4th sem-ISE	24-07-2021	Mrs. Sharanya P S

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Implementing Method Overloading	Core Java Programming	Object Oriented Concepts - 18CS47	62	4th sem-ISE	24-07-2021	Mrs. Sharanya P S
Handling Exceptions in Java	Core Java Programming	Object Oriented Concepts - 18CS48	62	4th sem-ISE	30-7-2022	Mrs. Sharanya P S
Fabrication of Cables	Computer Networks Lab	Data Communication - 18CS46	57	4th sem-ISE	14-6-2021	Mr John Prakash Veigas
Peer to Peer Topology	Computer Networks Lab	Data Communication - 18CS46	57	4th sem-ISE	14-6-2021	Mr John Prakash Veigas
Star Topology	Computer Networks Lab	Data Communication - 18CS46	57	4th sem-ISE	21-6-2021	Mr John Prakash Veigas
IPv4 Addressing	Computer Networks Lab	Data Communication - 18CS46	57	4th sem-ISE	26-6-2021	Mr John Prakash Veigas
No. of Vlab experiment Conducted : 18						
Total No. Of Participants covered: 120						
Name of Department coordinator: Mr Rakesh M R						
						
Department coordinator			Institute Coordinator		Principal	



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