

(Private University Estd. in Karnataka State by Act No.41 of 2013)

SCHOOL of ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course Title: Fundamentals of Electrical & Electronics Engineering Lab.

Course Code: EEE1001

Type of Skill: Skill Development

Type of Session: Experiential Learning.

Type of Activity: Students were encouraged to perform and demonstrate the various experiments that are listed as per the course handout through experiential learning to develop the following skill sets in the laboratory:

- 1. An attitude of enquiry.
- 2. Confidence and ability to tackle new problems.
- 3. Ability to interpret events and results.
- 4. Ability to work as a leader and as a member of team.
- 5. Assess errors and eliminate them.
- 6. Write Reports.
- 7. Locate faults in systems.
- 8. The ability to follow standard test procedures.
- 9. To judge magnitudes without actual measurement.

Instructor in Charge: Mr. Bishakh Paul

Instructor for Section: Mr. Bishakh Paul.

Details about the activity: Performing and demonstrating the various experiments hands-on.

Details of the students involved in the activity: 1st Sem Students Students

Sl. No	Student Id No.	Name of the Student
1.	20221CIV0004	Harsha Vardhan
2.	20221CIV0009	Chinmay VM
3.	20221CIV0010	NAFEEZ FATHIMA
4.	20221CIV0011	RUCHITHA
5.	20221CIV0012	SANJANA N
6.	20221CIV0013	Tejas S
7.	20221CIV0014	AISHWARYA S HIREMATH
8.	20221CIV0015	Naveen Kotresh Shettar
9.	20221CIV0016	ABHAY
10.	20221CIV0017	Dinesh K
11.	20221CIV0018	SUNIL
12.	20221CIV0019	TUSHARA M

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Campus: Presidency University, Itgalpur, Rajankunte, Bengaluru - 560064 Phone: + 80 4925 5533 / 5599 Email ID: info@presidencyuniversity.in





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	Private University Esta. in	Karnataka State by Act No.41 of 2013)
13.	20221CIV0020	Milan Lal
14.	20221EEE0001	MANISH P RAI
15.	20221EEE0002	KEMILTEN R
16.	20221EEE0003	GAURI NISHAD
17.	20221EEE0004	PAVAN SIDRAM KOLAVI
18.	20221EEE0005	VARSHA
19.	20221EEE0006	GAUTHAM U KUMAR
20.	20221EEE0007	DEVAPRIYA GOVINDAN
21.	20221EEE0008	BHAVYA P C
22.	20221EEE0009	JOSHUA C BAIJU
23.	20221EEE0010	LEENA R
24.	20221EEE0011	MONISHA KIRAN M
25.	20221EEE0012	SHIVABASAVA DODDABASAPPANAVAR
26.	20221EEE0013	SHIVAKUMAR BUTTA
27.	20221EEE0014	UDAYARAM KARTHIK R
28.	20221EEE0015	LOKESH PUNYAKAR PATIL
29.	20221EEE0016	HARSHITHA K R
30.	20221EEE0017	HEMANTH S M
31.	20221EEE0018	JYOTHI R B
32.	20221EEE0019	KHALFAN KHAN
33.	20221EEE0020	MITHUN R
34.	20221EEE0021	SHREESHAIL
35.	20221EEE0022	PRAJWAL SHARMA
36.	20221EEE0023	R GEETHANJALI
37.	20221EEE0024	ABHINAYAK D B
38.	20221EEE0025	ABHISHEK V
39.	20221EEE0026	ANKUSH YADAV
40.	20221EEE0027	AKASH S S
41.	20221EEE0028	DILEEP B
42.	20221EEE0029	HARSHA VARDHAN
43.	20221EEE0030	MANASA TR
44.	20221EEE0031	MOHAMMAD KOUSER
45.	20221EEE0032	PANIRAM CHOUDARY
46.	20221EEE0033	RAAJ S
47.	20221EEE0034	ROHITH KUMAR B R
48.	20221EEE0035	SNEHA U
49.	20221EEE0036	THAMIL SELVAM M
50.	20221EEE0037	VIVEK N
51.	20221EEE0038	SIDDARTHA N S
52.	20221EEE0039	R KUNAL
53.	20221EEE0040	Yadhuraj R
54.	20221EEE0041	CHANDANA G A
55.	20221EEE0042	SUSHANTH H
56.	20221MEC0001	FAIZ HUSSAIN KHAN
57.	20221MEC0002	MUZZAMMIL KHAN MAAZ

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58.	20221MEC0003	AKSHAY K S
59.	20221MEC0004	AARON D SOUZA
60.	20221MEC0005	DHANUSH KRISHNA U
61.	20221MEC0006	MALLIKARJUN
62.	20221MEC0007	ROHAN GOWDA GC
63.	20221MEC0008	AKASH D
64.	20221MEC0009	GOPAL NARVA
65.	20221MEC0010	Y MAHESH TIRUMAL
66.	20221MEC0011	SUMAN MAITY
67.	20221MEC0012	GARIKAPATI PHANEENDRA
68.	20221MEC0013	UDAY KUMAR G
69.	20221MEC0014	H AKASH
70.	20221MEC0016	NUAMAN FAROOQ
71.	20221MEC0017	AFSHAN SHAHISTA
72.	20221MEC0018	ANANTH KUMAR
73.	20221MEC0019	PRANITH B
74.	20221MEC0020	SAMSON BOBBY KURIAN
75.	20221MEC0021	U VISHAL VIKRAM
76.	20221PET0009	ABDUL MUIZZ
77.	20221PET0010	ANUM HALEEMA ALI
78.	20221PET0011	AISHWARYA SATISH NAIK
79.	20221PET0012	SYED SAIFUDDIN
80.	20221PET0013	AL LATHIF
81.	20221PET0014	SAFWAN B
82.	20221PET0015	SHANTHA GS

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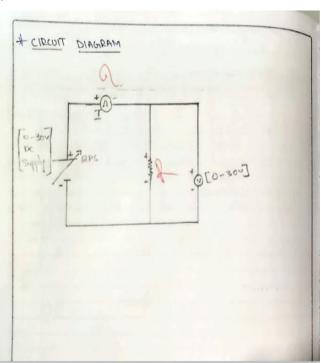


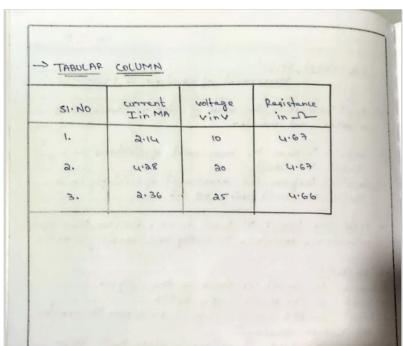


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Sample Lab Record Screen shots of the activity.

Eve	pt. No
EX	pt. No
	Experiment NO.1
	Measurment of resistance to occinuit.
->	Alm: To measure the value of given resistance using voltmeter and ammeter.
->	levell: Perform the measurement of resistance in a Simple & circuit
	level 2: Perform the measurment of resistance in a simple DC circuit using NI lab view
->	APPARATUS REQUIRED's Bread board, Resistor, Bower Supp voltmeter, ammeter, DC Supply and connecting wire etc
->	Peacoure:
0	connect the circuit as shown in the figure
3.	Switch on the power supply to PPS
	Adjust the RPS supply voltage to Ex Ex note the ammeter and wellage reading
4.	Increase the Supply in voltage in steps Eprote down the ammeter & voltmeter reading.
6.	Plot the graph of wollage Ve circuit.





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_		Date
Exp	pt. No.	Page No. 00
->	CALCULATION	
4	The resistance in the register =	44×102
		= 4700 .
		ニュキャル
+		
	by the readings from	
	Lentimator & Ammotor.	
	D P = V.	
	= 10 = 4.64 k 2	
	2.10	
	2) P2 = V2	
	I.	
	= 50 = n.ey Fu	
	4.98	
		1
	3) P3 = V2	1 ale
	T _s	
	= 82 = 4.88 k v	Que -
	2:36	12/1/23
		1.11
->	RESULT: From the color code the give	in resistance of und K-
	The practical experiment is done as diagram to verify ohm's law V= P	box the circuit
	giodram to resit opu, c lan TE	15 proved
		(5)
	Teacher's Si	gnature :

Signature of Instructor.

Signature of Instructor In-Charge

Dr. V Joshi Manohar

Head of the Department **Electrical** and Electronics Engineering School of Engineering PRESIDENCY UN! ERSITY

REGISTRAR

Liberte, Yulahanko, Bengaluru -64



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SCHOOL of ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Year: 2022-2023 Semester: 3rd Section: 3-ISR-1 Date: 14-9-2023

Course Title: Control System for Robotic Applications Lab.

Course Code: EEE3052

Type of Skill: Skill Development

Type of Session: Experiential Learning.

Type of Activity: Students were encouraged to perform and demonstrate the various experiments that are listed as per the course handout through experiential learning to develop the following skill sets in the laboratory:

1. Drawing the circuit diagram

2. Selection of components

3. Rigging up of circuit

4. Conduction of experiment

5. Observing the waveforms

6. Computing the parameter

7. Writing the Inference

Instructor in Charge: Dr Jisha L K.

Instructors for Section: Dr Jisha L K, Mr. Ravi V Angadi

Details about the activity: Performing and demonstrating the various experiments hands-on.

Details of the students involved in the activity: 3ISR1 Students

List of students

Sl. No.	Student ID No	Name
1	20211ISR0001	SOURASHIS PAHARI
2	20211ISR0002	DILEEP R
3	20211ISR0004	SAMBAVI B
4	20211ISR0005	ALLEN SAJI
5	20211ISR0006	В НЕМА
6	20211ISR0007	YARAVEDA SESHI REDDY
7	20211ISR0010	SHREYAS S

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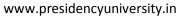


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		,
46	20211ISR0063	RAKASHITHA K
47	20211ISR0065	S NAYMAAN KHAN
48	20211ISR0068	AISHWARYA C
49	20211ISR0070	MANOJ C ACHARYA
50	20211ISR0072	KISHOR C
51	20211ISR0073	DARSHAN S
52	20211ISR0074	VAISHNAVI .
53	20211ISR0076	JERA PRAKASH
55	20211ISR0078	BHAVANA B A
56	20211ISR0080	K .K AKSHAY
57	20211ISR0081	DEEKSHITH.M .
58	20211ISR0082	MITHALI S ANAND
59	20211ISR0083	PAVAN RAM A
60	20211ISR0084	LOKESH N
61	20211ISR0085	KRUTHIKA S
62	20211ISR0086	SARTHAK MISHRA .
63	20211ISR0088	SAI SUMANTH R
64	20211ISR0089	G SUPRITHA
65	20211ISR0090	MOHITH RAJ M
66	20211ISR0091	FAIZAN NIYAZUDDIN
67	20211ISR0092	LEKHANA M
68	20211ISR0093	MEGHANA .M

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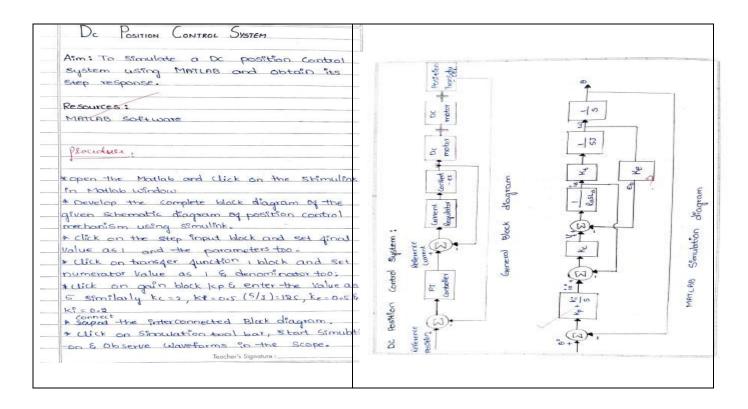


REGISTRAR



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Sample Lab Record Screen shots of the activity.



Signature of Instructor:

Signature of Instructor In-Charge

Dr. V Joshi Manohar
Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIT. ERSITY
Returnstante, Yalahanka, Bengaluru -64





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SCHOOL of ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Year: 2022-2023 Semester: 3rd Section: 3-EEE-1 Date: 02-11-2022

Course Title: Analog and Digital Electronics Laboratory.

Course Code: EEE2061

Type of Skill: Skill Development

Type of Session: Experiential Learning.

Type of Activity: Students were encouraged to perform and demonstrate the various experiments that are listed as per the course handout through experiential learning to develop the following skill sets in the laboratory:

1. An attitude of enquiry.

- 2. Confidence and ability to tackle new problems.
- 3. Ability to interpret events and results.
- 4. Ability to work as a leader and as a member of team.
- 5. Assess errors and eliminate them.
- 6. Observe and measure physical phenomenon.
- 7. Write Reports.
- 8. Select suitable equipment, instrument and materials.
- 9. Manipulative skills for setting and handling equipment.
- 10. The ability to follow standard test procedures.

Instructor in Charge: Mr. K Sreekanth Reddy

Instructor for Section: Mr. K Sreekanth Reddy

Details about the activity: Hands-on experience by performing and demonstrating the various experiments listed in the course handout.

Details of the students involved in the activity: 3EEE1 Students

Sl. No	Student Id No.	Name of the Student
1.	20211EAE0027	DUSHANTH B
2.	20211EEE0001	PENUGONDA CHARAN
3.	20211EEE0002	SHAIK AHAMMAD
4.	20211EEE0003	SUMAN
5.	20211EEE0004	YAMUNA M N
6.	20211EEE0005	HARIKRISHNA
7.	20211EEE0006	PIYUSH NISHAD

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8.	20211EEE0007	GAGANMURTHY
9.	20211EEE0008	HRUTHIK H B
10.	20211EEE0009	ANUSHA B
11.	20211EEE0010	SUPRITH D L
12.	20211EEE0011	NITHISH U
13.	20211EEE0012	VIDYA SHREE G N
14.	20211EEE0013	R V GANESH
15.	20211EEE0014	SINCHANA M
16.	20211EEE0015	BINDHU R C
17.	20211EEE0016	GAGAN SAI A S
18.	20211EEE0017	KAVYA N
19.	20211EEE0018	ROHAN R
20.	20211EEE0019	BHARATH H D
21.	20211EEE0020	RUDRAGOUDA K POLICE PATIL
22.	20211EEE0021	HARSHITHA B S
23.	20211EEE0023	MASROOR AHMED
24.	20211EEE0024	ANIRUDH S
25.	20211EEE0025	RATHISH HOMBALE N
26.	20211EEE0026	MOHAMMED AIMAN KHAN
27.	20211EEE0027	YASHWANTH KUMAR S
28.	20211EEE0028	ADARSH A
29.	20211EEE0029	CHETHAN S KATTI
30.	20211EEE0030	JATIN SHARMA
31.	20211EEE0031	TEJASHWINI ANNAPPAGOUDA PATIL
32.	20211EEE0032	MANTHU NANDHINI
33.	20211EEE0033	MOHAMMAD NABEEL ABBAS
34.	20211EEE0034	RAJANEESH B S
35.	20211EEE0035	V RAHUL BALAJIGA
36.	20211EEE0036	DEEPAK DANIEL F
37.	20211EEE0037	KHALEEL H TELSUNG
38.	20211EEE0038	HEMANT PANDIT
39.	20211EEE0039	AKASH K
40.	20211EEE0040	MOHAMED THABISH.
41.	20211EEE0041	NAYANI POORNACHANDAN ROYAL
42.	20211EEE0042	ABHISHEK BASAVARAJ HAMPANNAVAR
43.	20211EEE0043	RISHIKA R
44.	20211EEE0044	MOHAMMED ABRAR.
45.	20211EEE0046	BASIL BINU
46.	20211EEE0047	G KIRAN KUMAR
1		

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47.	20211EEE0048	SAGAR D M
48.	20211EEE0050	YASWANTH BUDURI
49.	20211EEE0051	MADIVADA HEMANTH
50.	20211EEE0052	YENNABOINA RAHUL
51.	20211EEE0053	KARRI GOWRI ESWAR
52.	20211EEE0055	SETTIPALLI SAINATH
53.	20211EEE0056	SHREYAS E
54.	20211EPE0002	SIRICHAPALA UDAY MALIK
55.	20221LEE0001	NANDYALA SIVA MANOJ REDDY
56.	20221LEE0002	CHINTHA MANJUNATH
57.	20221LEE0003	K TUNISH
58.	20221LEE0004	KUPPAM MANJUNATHA
59.	20221LEE0005	RITHIKA RAJ

Sample Lab Record Screen shots of the activity.

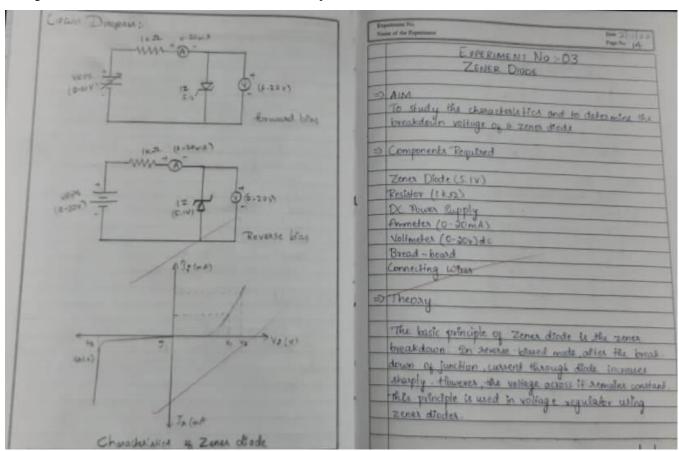


Figure 1. Screenshot of Zener Diode experiment lab record

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Envi	and by	0.5			Esp	ettours No. se if die Experiment	Date .
4100			Zumani I			Recedine	Page Sin. 15
3	SL Na	Annage At	TE (MA)		1		
	1	0.1	0.2		0	Connect the circuit as shown in the	4 Pt 1 4 1 41
- 40	2	0.2	0.24			on the de power supply	a rig and Acorts
	3	0.3	0-28			110	
	4	0.4	0.30		2	Vary the power supply in such a w	my that the sea
	5	0.5	0.33			are fakon in slope of C.IV	A contract of season
13	6	0.1	0.40				
2	17.5				3	Note down the readings	
Revets			-				
21	No.	Jollage Vx	Coner Sa		4	Plot the graph He vous To	
	13	0.5	-0.1				
3	2	1.0	- 0.05		5.	Flad the Alatic Resistance R. V/3	
1 6	3	1.5	-0.01				
	-	20	0.00		1	RESULT !-	
1 3	5	2.5	0.04				
1 6		3.D	0.04			Forward and Reverse bias ci	anadestatics of
12						zener diode was studied an	
-						various parameter were for	THE RESERVE AND ADDRESS OF THE PARTY OF THE
Discounting	Yes	Istance P	everse biox-	2.5 - 62510 2			
grande			The second second	2.5 = 62 Silo Q	1	Forward blas dynamic resi	Janu - (no
						The season of th	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
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toru	hond	Dian ay	CANAL TESTAM	u = 0.4 = 133105	-	ACTORIC CITA CAPACINE MEN	. mcc - 91 324
				2000			
					1	the reverse breakdown volto	0.01
						Alice	

Figure 2. Screenshot of Zener Diode experiment lab record

K. Sneekantle Reddy

Signature of Instructor.

Signature or mistructor In-Charge

Dr. V Joshi Manohar

Head of the Department, Electrical and Electronics Engineering School of Engineering PRESIDENCY UNITERSITY Regardante, Yulahansii, Bengakiru -64





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SCHOOL of ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Year: 2022-2023 Semester: 3rd Section: 3-EEE-1 Date: 12-12-2022

Course Title: Signals & Systems Lab

Course Code: EEE2060

Type of Skill: Skill Development

Type of Session: Experiential Learning.

Type of Activity: Students were encouraged to perform and demonstrate the various experiments that are listed as per the course handout through experiential learning to develop the following skill sets in the laboratory:

- 1. An attitude of enquiry.
- 2. Confidence and ability to tackle new problems.
- 3. Ability to interpret events and results.
- 4. Ability to work as a leader and as a member of team.
- 5. Assess errors and eliminate them.
- 6. Write Reports.
- 7. Locate faults in systems.
- 8. The ability to follow standard test procedures.
- 9. To judge magnitudes without actual measurement.

Instructor in Charge: Dr. Sumit Kumar Jha

Instructor for Section: Mr. Bishakh Paul.

Details about the activity: Performing and demonstrating the various experiments hands-on.

Details of the students involved in the activity: 1st Sem Students Students

Sl. No	Student Id No.	Name of the Student
1.	20211EAE0027	DUSHANTH B
2.	20211EEE0001	PENUGONDA CHARAN
3.	20211EEE0002	SHAIK AHAMMAD
4.	20211EEE0003	SUMAN

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		·
5.	20211EEE0004	YAMUNA M N
6.	20211EEE0005	HARIKRISHNA
7.	20211EEE0006	PIYUSH NISHAD
8.	20211EEE0007	GAGANMURTHY
9.	20211EEE0008	HRUTHIK H B
10.	20211EEE0009	ANUSHA B
11.	20211EEE0010	SUPRITH D L
12.	20211EEE0011	NITHISH U
13.	20211EEE0012	VIDYA SHREE G N
14.	20211EEE0013	R V GANESH
15.	20211EEE0014	SINCHANA M
16.	20211EEE0015	BINDHU R C
17.	20211EEE0016	GAGAN SAI A S
18.	20211EEE0017	KAVYA N
19.	20211EEE0018	ROHAN R
20.	20211EEE0019	BHARATH H D
21.	20211EEE0020	RUDRAGOUDA K POLICE PATIL
22.	20211EEE0021	HARSHITHA B S
23.	20211EEE0023	MASROOR AHMED
24.	20211EEE0024	ANIRUDH S
L	1	

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	Tittute Chrycisty Estat in	Karnataka State by Act No.41 of 2015)
25.	20211EEE0025	RATHISH HOMBALE N
26.	20211EEE0026	MOHAMMED AIMAN KHAN
27.	20211EEE0027	YASHWANTH KUMAR S
28.	20211EEE0028	ADARSH A
29.	20211EEE0029	CHETHAN S KATTI
30.	20211EEE0030	JATIN SHARMA
31.	20211EEE0031	TEJASHWINI ANNAPPAGOUDA PATIL
32.	20211EEE0032	MANTHU NANDHINI
33.	20211EEE0033	MOHAMMAD NABEEL ABBAS
34.	20211EEE0034	RAJANEESH B S
35.	20211EEE0035	V RAHUL BALAJIGA
36.	20211EEE0036	DEEPAK DANIEL F
37.	20211EEE0037	KHALEEL H TELSUNG
38.	20211EEE0038	HEMANT PANDIT
39.	20211EEE0039	AKASH K
40.	20211EEE0040	MOHAMED THABISH .
41.	20211EEE0041	NAYANI POORNACHANDAN ROYAL
42.	20211EEE0042	ABHISHEK BASAVARAJ HAMPANNAVAR
43.	20211EEE0043	RISHIKA R
44.	20211EEE0044	MOHAMMED ABRAR .

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45.	20211EEE0045	METTANI NAGA CHETHAN
46.	20211EEE0046	BASIL BINU
47.	20211EEE0047	G KIRAN KUMAR
48.	20211EEE0048	SAGAR D M
49.	20211EEE0050	YASWANTH BUDURI
50.	20211EEE0051	MADIVADA HEMANTH
51.	20211EEE0052	YENNABOINA RAHUL
52.	20211EEE0053	KARRI GOWRI ESWAR
53.	20211EEE0055	SETTIPALLI SAINATH
54.	20211EEE0056	SHREYAS E
55.	20211EPE0002	SIRICHAPALA UDAY MALIK
56.	20221LEE0001	NANDYALA SIVA MANOJ REDDY
57.	20221LEE0002	CHINTHAMANJUNATH
58.	20221LEE0003	K TUNISH
59.	20221LEE0004	K MANJUNATHA
60.	20221LEE0005	RITIKA RAJ
61.	20211EAE0027	DUSHANTH B

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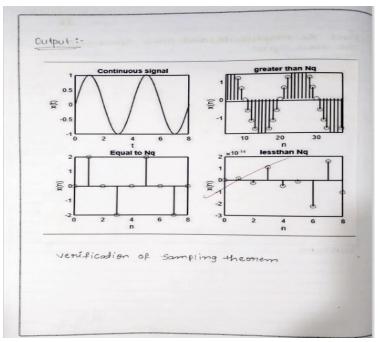




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Sample Lab Record Screen shots of the activity.

pt. No 0b	Page No38
Sampling Theore	n
Aim :- voui fication of sam	pling theorem
Equipments:-	
operating System - windows 7 Software - Sc Studio 38 M	f constituctor - Simulator ATIAB-201f.
Pringram	
ckj	
T=0.04; 1. Time period of	50HZ Signal
t=0:0.0005:0.04;	•
f=1/T;	
displf);	
Xa-t= sin(2*pi+2* +/T);	
Subplot (2,2,1);	
plot (200* t, xa_t);	
title (verification of samplin	ng Theoriem');
title ('continuous Signal');	<u> </u>
X label ('t');	
Ylabel ('x(t));	
ts1 = 0.002; 1. >nig onte	
t52=0.01; %= miq, state	
t53 = 0.1,71. < nig nate	
n=0:40;	
x- ts2 = 2* sin(2*Pi*n*ts	172:
Subplot (2,2,2);	
stem (n,x_ts2);	
title ('greater than Ng ');	
T T	eacher's Signature



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	Date
spt. No.	Page No. 40
X label ('n');	
ylabel (1x(m));	
n=0:8;	
X_ +sa = 2* Sin (2* pi* n*+s;	3.17.);
subplot (2,2,4);	
Stem (n,x_tsa);	
title ('less Than Ng, ');	
* xlabel ('m');	
ylabel ('x (m)');	
n=0:g;	
1 +53 = 2* Sin (2* Pi# n* +5	5 3/7);
subplot (2/2/3);	
5 tem (n/x - ts 3);	
title ('Equal to Ng');	
Xlabel (h);	
Ylabel ('x(n)');	
Resulf	
The waveform was obtained aft.	er rectifying the code.
	(19)
	N A A
	Teacher's Signature

Signature of Instructor.

Signature of Instructor In-Charge

Dr. V Joshi Manohar
Head of the Department,
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UM: ERSITY
Rejanularite, Yalahanka, Bengaluru -64

REGISTRAR



SCHOOL of ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Year: 2022-2023 Semester: 5th Section: 5-EEE-1

Course Title: Electrical and Electronics Measurements and Instrumentation.

Course Code: EEE2012

Type of Skill: Skill Development

Type of Activity: Experiential Learning
Instructor in Charge: Mr Bishakh Paul.
Instructor for Section: Mr Bishakh Paul.

Details about the activity: Students were asked to interface real time sensors procured in Lab and NI Hardware devices to develop a project for real time monitoring of parameters which provides the practical experience skills in students.

Topic of Activity: Real Time Humidity Sensor Using NI Lab-VIEW

Details of the students involved in the activity:

S.No	Name of the Student	Roll Number
1	VARSHITHA M	20201EEE0008
2	PAVAN V	20211LEE0009
3	KUSHAL R	20211LEE0027
4	NAYANA A	20201EEE0011
5	YASHAWINI BG	20201EEEE0022
6	VISHALA R	20201EEE0025





Sample Presentation as mentioned in the topic.

Real Time Humidity Sensor Using NI LabVIEW

Name	Roll Number
VARSHITHA M	20201EEE0008
PAVAN V	20211LEE0009
KUSHAL R	20211LEE0027
NAYANA A	20201EEE0011
YASHAWINI BG	20201EEEE0022
VISHALA R	20201EEE0025

CONTENT

- ***INTRODUCTION**
- **WIRING DIAGRAM**
- WORKING
- **MAKING & OUTPUT**
- *** DIGITAL FOOTPRINT**

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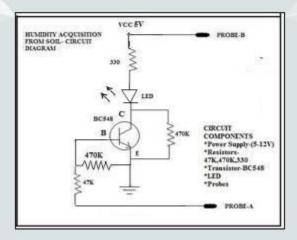




Introduction

- Soil is made up of a mixture of components, including mineral and organic particles, with water and air making up the spaces in between. Plants need a combination of all these components for healthy growth. By measuring soil moisture, crop water needs to be assessed and irrigation controlled, so as to maximize crop yield, quality and profitability. There are various methodologies and techniques by which the soil moisture could be measured such as Gravimetric Technique, Radioactive Technique, Capacitive Technique, Conductivity Technique, Soil Suction Technique.
- Here, we will be dealing with the monitoring of humidity in soil with the aid of LabVIEW & NI ELVIS.
- Humidity can be precisely defined as the amount of water vapour in air. The necessity of humidity measurement in soil is that you can gain control of soil moisture and adjust irrigation according to the need. A properly utilized irrigation system provides a condition for optimal growing economy. Excessive irrigation is a waste of time and energy, and it risks plant's nutrient leaching. The base unit is a humidity sensor which senses the moisture content and we can visualize the output on a PC based LabVIEW system with the small circuitry on the NI ELVIS and interfacing cable PCI 6221.

WIRING DIAGRAM



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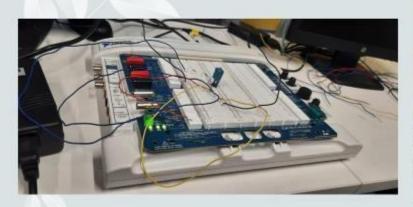


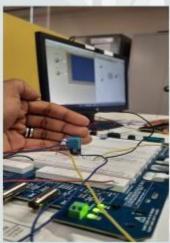
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WORKING

- This section elaborates the assessing of humidity and relative humidity process in LabVIEW. The hardware implementation and the software implementation are discussed here below.
- The humidity sensor circuit primarily requires an operating voltage of about (5-12 volts) which is constructed on the NI ELVIS from which the power supply is drawn. The BC 548 transistor used in this circuit works to switch electronic signals and amplifies them. With the combination of various other resistors constructed as per the circuit diagram shown below, the moisture content is detected and hence this is indicated with the glowing of the LED. The output is acquired with the help of NI 6008 USB card and is interfaced with the LabVIEW software. Two probes will always be in contact with the soil so that it senses the wetness and the dryness of the soil.
- The real values are interfaced in the LabVIEW block diagram with the help of USB port connected to the NI ELVIS and are acquired. The block diagram clearly depicts the acquisition of the signal from DAQ, the output in volts, the relative humidity calculation according to the nature of the soil, and the filtered waveform graph. The front panel indicates the soil condition by the glowing of LED, and the filtered waveform.
- The output voltage obtained is high in the range of (5-7V) for dry soil and (1-3V) for wet condition. The relative humidity is of about 40-50% for wet condition and 20-30 % for dry condition. This method of monitoring of relative humidity of soil thus becomes very feasible, accurate, fast response at high and low humidity and reduces complexity. The readings could also be saved for backup in LabVIEW.

MAKING & OUTPUT





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Signature of Instructor:

Signature of Instructor In-Charge:

Brh

12 m

Dr V Joshi Manohar
Head of the Department
Electrical and Electronics Engineering
SchoolHQDIneEEE
PRESIDENCY UNIVERSITY

Rajanukunta, Yalahanka, Bengaluru -64

REGISTRAR



SCHOOL of ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Year: 2022-2023

Semester: 5th

Section: 5-EEE-1

Date: 14-9-2023

REGISTRAR

Course Title: Control System Engineering Lab.

Course Code: EEE2063

Type of Skill: Skill Development

Type of Session: Experiential Learning.

Type of Activity: Students were encouraged to perform and demonstrate the various experiments that are listed as per the course handout through experiential learning to develop the following skill sets in the laboratory:

- 1. Drawing the circuit diagram
- 2. Selection of components
- 3. Rigging up of circuit
- 4. Conduction of experiment
- 5. Observing the waveforms
- 6. Computing the parameter
- 7. Writing the Inference

Instructor in Charge: Dr Jisha L K.

Instructors for Section: Dr Jisha L K, Mr. Ravi V Angadi

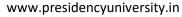
Details about the activity: Performing and demonstrating the various experiments hands-on.

Details of the students involved in the activity: EEE1 Students

Sl. No.	Student ID No	Name
1	20201EAE0002	RAHEL ANN JOHNSON
2	20201EAE0003	ANAND UR
3	20201EEE0001	SONU KUMAR
4	20201EEE0003	SHRAVANI N
5	20201EEE0005	RAKSHITHA B
6	20201EEE0007	S THYAGARAJ
7	20201EEE0008	VARSHITHA GOWDA M
8	20201EEE0011	SAI NAYANA A
9	20201EEE0012	G YOGESHWARAN
10	20201EEE0015	ABHISHEK TT
11	20201EEE0016	KAMPA PREETHISH

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10	20201EEE0019	DIZ A
12	20201EEE0018	FIZA
13	20201EEE0021	JILLIVARI KURUVA PRASAD
14	20201EEE0022	YASHASWINI BG
15	20201EEE0023	SHRUJAN H S
16	20201EEE0025	VISHALA R
17	20201EEE0026	MANJUNATH K
18	20211LEE0001	DEEP CHATTERJEE
19	20211LEE0002	THATHIREDDY PERUMAL
20	20211LEE0003	FAKIR SAEED SALIMSHA
21	20211LEE0004	YOGENDRA
22	20211LEE0005	SANTHOSH V
23	20211LEE0006	PRABHAS M
24	20211LEE0007	SANJAY M K
25	20211LEE0008	MANOJ K P
26	20211LEE0009	PAVAN V
27	20211LEE0010	ROHIT GURUNATH MATHAPATI
28	20211LEE0011	KISHORE TEJA S N
29	20211LEE0012	HAMSA SHREE R
30	20211LEE0013	CHARANREDDY S V
31	20211LEE0014	AMBIKA M BIJAPUR
32	20211LEE0015	NAGENDRA B
33	20211LEE0016	NIRANJAN JAGADISH PAMMAR
34	20211LEE0017	NARESH R N
35	20211LEE0018	MURULI A V
36	20211LEE0019	G TARUN
37	20211LEE0020	SACHIN P
38	20211LEE0021	CHARAN P
39	20211LEE0022	MOHAMMED SHAH ALAM
40	20211LEE0023	PATEL CHIKKALINGE GOWDA
41	20211LEE0024	MAHESH M R
42	20211LEE0025	DARSHAN T C
43	20211LEE0026	ARUNA P
44	20211LEE0027	KUSHAL R
45	20211LEE0028	SHASHANK GOWDA K N
46	20211LEE0029	АВНІ Ј Т
47	20211LEE0030	BABITHA GAIKWAD G
48	20211LEE0031	RAMEGOWDA K T

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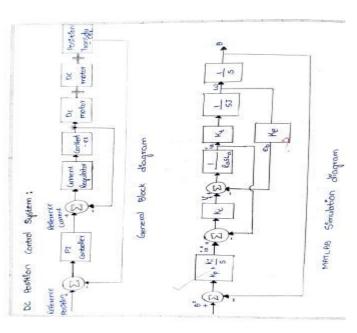


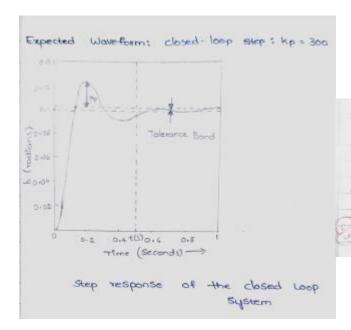


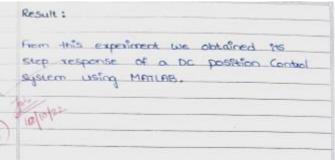
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Sample Lab Record Screen shots of the activity.

	C POSITION CONTROL SYSTEM
Aim	: To simulate a DC position control
Sys	stem using MATLAB and Obtain its
200000000000000000000000000000000000000	response.
Res	curces:
MA	TAB SOFtware
On.	
YXe	cioluei,
	94 No. 10 10 10 10 10 10 10 10 10 10 10 10 10
* op	en the Matlab and click on the Stimule
fn.	Motlab whodow
* D	evelop the complete black diagram of the
	a schematic diagram of position control
me	banism using simulink.
	the and the size should black and set as a
A CI	ick on the step input block that set quito
A CI	
* cl Valu	e as I and the parameters too.
* cl	e as I and the parameters too.
* cl Valu * Cl nun	e as I and the parameters too. sick on transfer function I block and set nevator Value as I & denominator too;
* cl Valu * cl * cl * cl	e as I and the parameters too. sick on transfer function I block and set nevator Value as I & denominator too; ck on goin block kp & enter the Value of
* cl Valu * cl nun * cli	e as I and the parameters too. ick on transfer function I block and set nevator Value as I & denominator too; ck on goin block kp & enter the Value of
* Cl Valu * Cl Dun * Ui * Cl Kl:	e as I and the parameters too. ick on transfer function I block and set nevator Value as I & denominator too; ck on gain block kp & enter the Value of similarly kc=2, kt=0.5 (5/1)=125, ke=0.5
* cli	e as I and the parameters too. ick on transfer function I block and set nevator Value as I & denominator too; ck on goin block kp & enter the Value of similarly kc = 2, kt = 0.5 (5/1)=18c, ke = 0.5 0.2 0.2 0.2 0.00 100 100 100 10
* Cli Value * Cli Pour * Cli	ick on transfer function I block and set nevator Value as I & denominator too; ck on gain block kp & enter the Value of similarly kc=2, kt=0.5 (5/1)=125, ke=0.5







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Signature of Instructor.

Signature of Instructor In-Charge

Dr V Joshi Manohar
Head of the Department
Electrical and Electronics Engineering
SchoolHQDImeEEE
PRESIDENCY UNIVERSITY
Rajanukunte, Yetahanka, Bengaluru -64

REGISTRAR



SCHOOL of ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Section: 5-EEE-1

Course Title: Power Electronics Laboratory.

Semester: 5th

Course Code: EEE2065

Year: 2022-2023

Type of Skill: Skill Development

Type of Session: Experiential Learning.

Type of Activity: Students were encouraged to perform and demonstrate the various experiments that are listed as per the course handout through experiential learning to develop the following skill sets in the laboratory:

- 1. An attitude of enquiry.
- 2. Confidence and ability to tackle new problems.
- 3. Ability to interpret events and results.
- 4. Ability to work as a leader and as a member of team.
- 5. Assess errors and eliminate them.
- 6. Observe and measure physical phenomenon.
- 7. Write Reports.
- 8. Select suitable equipment, instrument and materials.
- 9. Manipulative skills for setting and handling equipment.
- 10. The ability to follow standard test procedures.

Instructor in Charge: Dr.Kamalapathi

Instructor for Section: Dr.Kamalapathi

Details about the activity: Hands-on experience by performing and demonstrating the various experiments listed in the course handout.

Details of the students involved in the activity: 4EEE1 Students

Sl. No	Student Id No.	Name of the Student
1.	20201EAE0002	RAHEL ANN JOHNSON
2.	20201EAE0003	ANAND U R
3.	20201EEE0001	SONU KUMAR
4.	20201EEE0003	SHRAVANI N
5.	20201EEE0005	RAKSHITHA B

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Date: 12-11-2022



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6.	20201EEE0007	S THYAGARAJ
7.	20201EEE0008	VARSHITHA M
8.	20201EEE0011	SAI NAYANA
9.	20201EEE0012	YOGESHWARAN G
10.	20201EEE0015	ABHISHEK TT
11.	20201EEE0016	KAMPA PREETHISH
12.	20201EEE0018	FIZA
13.	20201EEE0021	JILLIVARI KURUVA PRASAD
14.	20201EEE0022	YASHASWINI BG
15.	20201EEE0023	SHRUJAN H S
16.	20201EEE0025	VISHALA R
17.	20201EEE0026	MANJUNATH K
18.	20211LEE0001	DEEP CHATTERJEE
19.	20211LEE0002	THATHIREDDY PERUMAL
20.	20211LEE0003	FAKIR SAEED SALIMSHA
21.	20211LEE0004	YOGENDRA
22.	20211LEE0005	SANTHOSH V
23.	20211LEE0006	PRABHAS M
24.	20211LEE0007	SANJAY M K
25.	20211LEE0008	MANOJ K P
26.	20211LEE0009	PAVAN V
27.	20211LEE0010	ROHIT GURUNATH MATHAPATI
28.	20211LEE0011	KISHORE TEJA S N

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29.	20211LEE0012	HAMSA SHREE R
30.	20211LEE0013	CHARANREDDY S V
31.	20211LEE0014	AMBIKA M BIJAPUR
32.	20211LEE0015	NAGENDRA B
33.	20211LEE0016	NIRANJAN JAGADISH PAMMAR
34.	20211LEE0017	NARESH R N
35.	20211LEE0018	MURULI A V
36.	20211LEE0019	G TARUN
37.	20211LEE0020	SACHIN P
38.	20211LEE0021	CHARAN P
39.	20211LEE0022	MOHAMMED SHAH ALAM
40.	20211LEE0023	PATEL CHIKKALINGE GOWDA
41.	20211LEE0024	MAHESH M R
42.	20211LEE0025	DARSHAN T C
43.	20211LEE0026	ARUNA P
44.	20211LEE0027	KUSHAL R
45.	20211LEE0028	SHASHANK GOWDA K N
46.	20211LEE0029	ABHI J T
47.	20211LEE0030	BABITHA GAIKWAD G
48.	20211LEE0031	RAMEGOWDA K T
		1

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Sample Lab Record Screen shots of the activity.

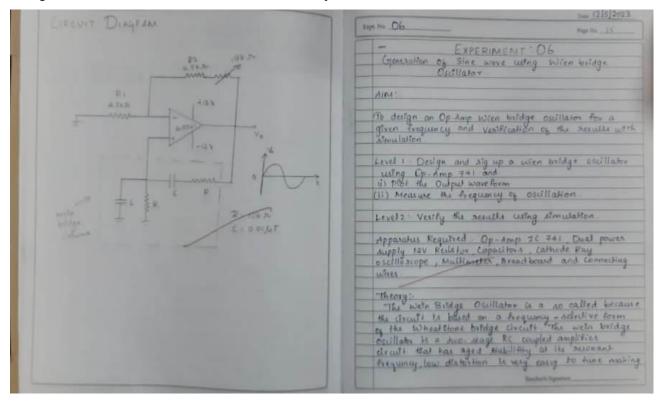


Figure 1. Screenshot of Wein Bridge Oscillator circuit lab record

amie

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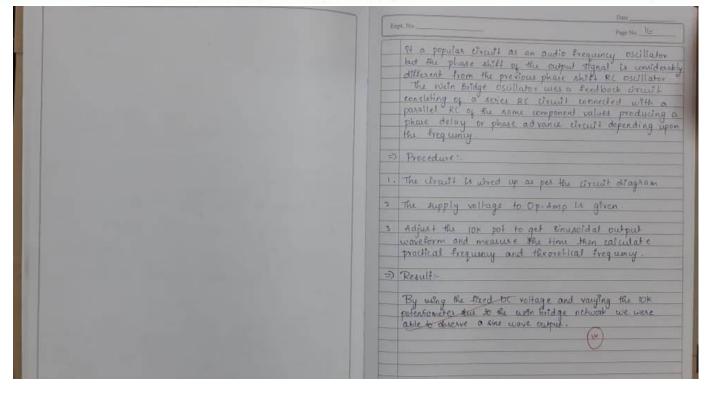


Figure 2. Screenshot of Wein Bridge Oscillator circuit lab record

K-Kulaputu.

Signature of Instructor.

Signature of Instructor In-Charge

Dr V Joshi Manohar
Head of the Department
Electrical and Electronics Engineering
School HOD IncEEE
PRESIDENCY UNIVERSITY
Rajanukunte, Yelahanka, Bengaluru -64

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SCHOOL of ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Year: 2022-2023 Semester: 7th Section: 7-EEE-1 Date: 14-10-2022

Course Title: Power System Simulation Lab.

Course Code: EEE262

Type of Skill: Skill Development

Type of Session: Experiential Learning.

Type of Activity: Students were encouraged to perform and demonstrate the various experiments that are listed as per the course handout through experiential learning to develop the following skill sets in the laboratory:

- 1. An attitude of enquiry.
- 2. Confidence and ability to tackle new problems.
- 3. Ability to interpret events and results.
- 4. Ability to work as a leader and as a member of team.
- 5. Assess errors and eliminate them.
- 6. Write Reports.
- 7. Locate faults in systems.
- 8. The ability to follow standard test procedures.
- 9. To judge magnitudes without actual measurement.

Instructor in Charge: Mr. Ravi V Angadi.

Instructor for Section: Mr. Ravi V Angadi.

Details about the activity: Performing and demonstrating the various experiments hands-on.

Details of the students involved in the activity: 7EEE1 Students

Sl. No	Student Id No.	Name of the Student
1.	20191EEE0001	ABHISHEK C
2.	20191EEE0003	ANUSHA M JOLAD
3.	20191EEE0004	ARUN S
4.	20191EEE0005	ASFIYA AAZIM
5.	20191EEE0006	ASHISH SINGH BHUMIJ
6.	20191EEE0008	BINDHU D
7.	20191EEE0009	DOKLA GHOUSE
8.	20191EEE0010	EASHWAR V
9.	20191EEE0011	KEERTHANA B R

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10.	20191EEE0012	KOMALA M E	
11.	20191EEE0013	KOTHAKOTA JAI RAMAKRISHNA	
12.	20191EEE0014	KRUTHIKA R	
13.	20191EEE0015	MANDADI KARTHIKEYAN REDDY	
14.	20191EEE0016	MOHAMMAD JAMEEL	
15.	20191EEE0017	MOHAMMAD ZAID FAROOQ	
16.	20191EEE0018	MOHAMMED NOORUDDIN ASRAR	
17.	20191EEE0019	MOKA ABHINASH	
18.	20191EEE0022	NANDA KISHORE KIRAN DESHPANDE	
19.	20191EEE0023	NAVYA N	
20.	20191EEE0024	NAVYA SHREE M	
21.	20191EEE0025	P ABHINAV	
22.	20191EEE0026	PERAM BHARGAV REDDY	
23.	20191EEE0028	PRAJWAL HOSAMANI	
24.	20191EEE0029	PRAJWAL T R	
25.	20191EEE0030	PRATHVIRAJ	
26.	20191EEE0031	PRUTHVIRAJ D KUDACHI	
27.	20191EEE0032	R S SHARUKH	
28.	20191EEE0033	ROSHAN S	
29.	20191EEE0034	S R METHESWAR	
30.	20191EEE0035	SAGAR B	
31.	20191EEE0036	SAMBHRAM P TAILANG	
32.	20191EEE0037	SANJAY B	
33.	20191EEE0038	SANJAY P	
34.	20191EEE0039	SANKET VIJAY KUMAR KAMBLE	
35.	20191EEE0040	SAPNA N	
36.	20191EEE0041	SHAIK MUNEER	
37.	20191EEE0042	SHARANYA P C	
38.	20191EEE0044	SHWETHA N	
39.	20191EEE0045	SIVA PRASAD L	
40.	20191EEE0046	SOURODIPTTO MONDAL	
41.	20191EEE0047	SRINIDHI R	
42.	20191EEE0049	VARSHA B N	
43.	20191EEE0050	YARRABALLI NAVEEN	
44.	20191EEE0051	YASHASH N	
45.	20191EEE0052	YASHWANTH N	
46.	20191EEE0053	RAHUL RAMESH PAMMAR	
47.	20191EEE0057	ZAID AHMED ZAUED HAMADAH	
48.	20191EEE0059	SHABBEER AHMAD MUJAVAR	

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Campus: Presidency University, Itgalpur, Rajankunte, Bengaluru - 560064 **Phone**: + 80 4925 5533 / 5599 **Email ID**: <u>info@presidencyuniversity.in</u>

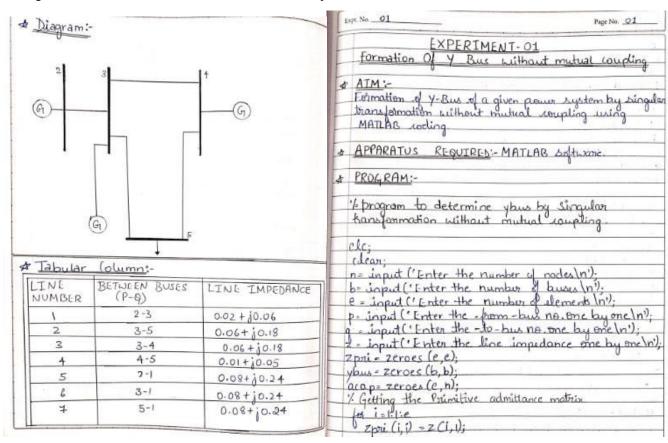




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	` '	,
49.	20191EEE0060	NAVEEN NELSON W
50.	20191EEE9001	PRANEETH MADHAVAN
51.	20191EEE9002	KIRAN MANOJ
52.	20191EEE9003	SRINIVAS K
53.	20191EEE9005	BARU V S TRIPURA MADHU DHEERAJ
54.	20201LEE0002	SUBHAJIT BISWAS
55.	20201LEE0004	PRAVEEN M
56.	20201LEE0005	SUHEBAHAMED BALAGANUR
57.	20201LEE0006	VINUTH GOWDA R
58.	20201LEE0007	ASHWIN S
59.	20201LEE0008	SUMAN V
60.	20201LEE0010	MOHAMMED JAVED
61.	20201LEE0011	GIRISH REDDY MAMILLA
62.	20191EEE9006	MOHAMMED ZUHAIB

Sample Lab Record Screen shots of the activity.



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ØINPUT DATA:-	Expt. No. O1
Enter the number of nodes Enter the number of clements Enter the -form -bus no one by one [2;3;3;4;2;3;5] Enter the -to-bus no one by one [3;5;4;5;1;1] Enter the Impedance one by one [0.02 +0.061; 0.06+0.18; 0.06+0.24; 0.08+0.24; 0.08+0.24;	end ypri = inn (zpri); " Getting the incidence matrix for j=:1:0 p(j,1); S=g(j,1); acap(j,h)=1; acap(j,h)=1; end acap; acap; acap; acap; acap; acap; at=a'; "Getting the your matrix: ybus = at *ypri*a.
# OUTPUT:- y bus = 6.2500 -18.4500; -5.000x15.0000; 0.000+0.000; 0.0000+0.0000; -5.0000+15.0000; 9.5833-28.4500; -1.6664+5.0000; -1.666++5.0000; 0.0000+0.0000; -1.666++5.0000; 11.666+-35.0000; -10.0000+0.0000; -1.666++5.000; -10.0000+30.0000; 12.9164-38.4500;	The formation of Y-bus of a given power system by singular transformation without mutual coupling using MATIAR is simulated and verified

Signature of instructor.

Signature of Instructor In-Charge

Dr. V Joshi Manohar
Head of the Department,
Electrical and Electronics Engineering
School of Engineering
MESSIDENCY UNIT ERSTRY



(Private University Estd. in Karnataka State by Act No.41 of 2013)

SCHOOL of ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Year: 2022-2023 Semester: 2nd Section: 2PHY-23 Date: 31-03-2023

Course Title: Fundamentals of Electrical and Electronics Engineering

Course Code: EEE2061

Type of Skill: Skill Development

Type of Session: Experiential Learning.

Type of Activity: Students were encouraged to perform and demonstrate the various experiments that are listed as per the course handout through experiential learning to develop the following skill sets in the laboratory:

- 1. An attitude of enquiry.
- 2. Confidence and ability to tackle new problems.
- 3. Ability to interpret events and results.
- 4. Ability to work as a leader and as a member of team.
- 5. Assess errors and eliminate them.
- 6. Observe and measure physical phenomenon.
- 7. Write Reports.
- 8. Select suitable equipment, instrument and materials.
- 9. Manipulative skills for setting and handling equipment.
- 10. The ability to follow standard test procedures.

Instructor in Charge: Dr. Snehaprabha T V

Instructor for Section: Dr. Snehaprabha T V

Details about the activity: Hands-on experience by performing and demonstrating the various experiments listed in the course handout.

Details of the students involved in the activity: 2PHY-23 Students

Sl. No	Student Id No.	Name of the Student
1.	20221CIV0001	ARJUN . M
2.	20221CIV0002	ABDUL RAHMAN ASAD AZAD
3.	20221CIV0003	VYDYAM HAYAVADHANA RANGACHARYULU
4.	20221CIV0006	SHASHANK K S
5.	20221CIV0007	NAVYA S M
6.	20221CIV0008	PASALAPPAGARI BHARATH
7.	20221PET0001	JAY NARAYANAN
8.	20221PET0002	SALAUDDIN CA
9.	20221PET0003	AUSTIN BENOY
10.	20221PET0004	RAHEEMULLA KHAN M R
11.	20221PET0005	ABHIJITH PUTHUMANA
12.	20221PET0006	LINGESHWARAN KG

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13.	20221PET0007	ASHWINI T G
14.	20221PET0008	AYAN A

Sample Lab Record Screen shots of the activity.

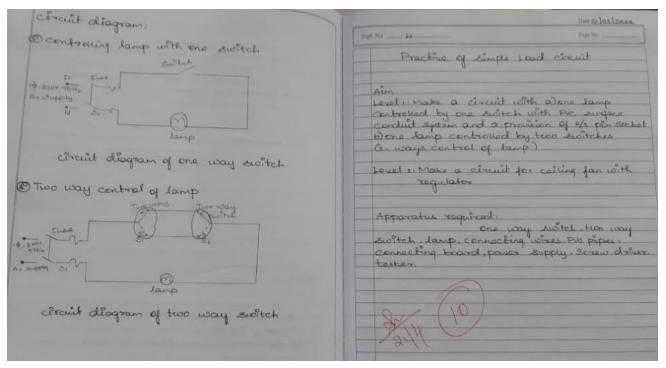


Figure 1. Screenshot of Practice of simple load circuit experiment lab record

Signature of Instructor.

Signature of Instructor In-Charge

Dr. V Joshi Manohar
Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIT. ERSITY
Returnationale, Yelahanko, Bengaluru 44



(Private University Estd. in Karnataka State by Act No.41 of 2013)

SCHOOL of ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Year: 2022-2023 Semester: 4th Section: 4-EEE-1 Date: 12-05-2023

Course Title: Op amps and Linear Integrated Circuits.

Course Code: EEE2004

Type of Skill: Skill Development

Type of Session: Experiential Learning.

Type of Activity: Students were encouraged to perform and demonstrate the various experiments that are listed as per the course handout through experiential learning to develop the following skill sets in the laboratory:

- 1. An attitude of enquiry.
- 2. Confidence and ability to tackle new problems.
- 3. Ability to interpret events and results.
- 4. Ability to work as a leader and as a member of team.
- 5. Assess errors and eliminate them.
- 6. Observe and measure physical phenomenon.
- 7. Write Reports.
- 8. Select suitable equipment, instrument and materials.
- 9. Manipulative skills for setting and handling equipment.
- 10. The ability to follow standard test procedures.

Instructor in Charge: Mr. K Sreekanth Reddy

Instructor for Section: Mr. K Sreekanth Reddy

Details about the activity: Hands-on experience by performing and demonstrating the various experiments listed in the course handout.

Details of the students involved in the activity: 4EEE1 Students

Sl. No	Student Id No.	Name of the Student
1.	20211EAE0027	DUSHANTH B
2.	20211EEE0001	PENUGONDA CHARAN
3.	20211EEE0002	SHAIK AHAMMAD
4.	20211EEE0003	SUMAN
5.	20211EEE0004	YAMUNA M N
6.	20211EEE0005	HARIKRISHNA
7.	20211EEE0006	PIYUSH NISHAD
8.	20211EEE0007	GAGANMURTHY
9.	20211EEE0008	HRUTHIK H B
10.	20211EEE0009	ANUSHA B
11.	20211EEE0010	SUPRITH D L
12.	20211EEE0011	NITHISH U

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10	202115550012	MDAV CHDEE C N
13.	20211EEE0012	VIDYA SHREE G N
14.	20211EEE0013	R V GANESH
15.	20211EEE0014	SINCHANA M
16.	20211EEE0015	BINDHU R C
17.	20211EEE0016	GAGAN SAI A S
18.	20211EEE0017	KAVYA N
19.	20211EEE0018	ROHAN R
20.	20211EEE0019	BHARATH H D
21.	20211EEE0020	RUDRAGOUDA K POLICE PATIL
22.	20211EEE0021	HARSHITHA B S
23.	20211EEE0023	MASROOR AHMED
24.	20211EEE0024	ANIRUDH S
25.	20211EEE0025	RATHISH HOMBALE N
26.	20211EEE0026	MOHAMMED AIMAN KHAN
27.	20211EEE0027	YASHWANTH KUMAR S
28.	20211EEE0028	ADARSH A
29.	20211EEE0029	CHETHAN S KATTI
30.	20211EEE0030	JATIN SHARMA
31.	20211EEE0031	TEJASHWINI ANNAPPAGOUDA PATIL
32.	20211EEE0032	MANTHU NANDHINI
33.	20211EEE0033	MOHAMMAD NABEEL ABBAS
34.	20211EEE0034	RAJANEESH B S
35.	20211EEE0035	V RAHUL BALAJIGA
36.	20211EEE0036	DEEPAK DANIEL F
37.	20211EEE0037	KHALEEL H TELSUNG
38.	20211EEE0038	HEMANT PANDIT
39.	20211EEE0039	AKASH K
40.	20211EEE0040	MOHAMED THABISH.
41.	20211EEE0041	NAYANI POORNACHANDAN ROYAL
42.	20211EEE0042	ABHISHEK BASAVARAJ HAMPANNAVAR
43.	20211EEE0043	RISHIKA R
44.	20211EEE0044	MOHAMMED ABRAR.
45.	20211EEE0046	BASIL BINU
46.	20211EEE0047	G KIRAN KUMAR
47.	20211EEE0048	SAGAR D M
48.	20211EEE0050	YASWANTH BUDURI
49.	20211EEE0051	MADIVADA HEMANTH
50.	20211EEE0052	YENNABOINA RAHUL
51.	20211EEE0053	KARRI GOWRI ESWAR
52.	20211EEE0055	SETTIPALLI SAINATH
53.	20211EEE0056	SHREYAS E
54.	20211EPE0002	SIRICHAPALA UDAY MALIK
55.	20221LEE0001	NANDYALA SIVA MANOJ REDDY
56.	20221LEE0002	CHINTHA MANJUNATH
	•	· · · · · · · · · · · · · · · · · · ·

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57.	20221LEE0003	K TUNISH
58.	20221LEE0004	KUPPAM MANJUNATHA
59.	20221LEE0005	RITHIKA RAJ
60.	20221LEE0006	BHUVAN B U
61.	20221LEE0007	RAGHU M

Sample Lab Record Screen shots of the activity.

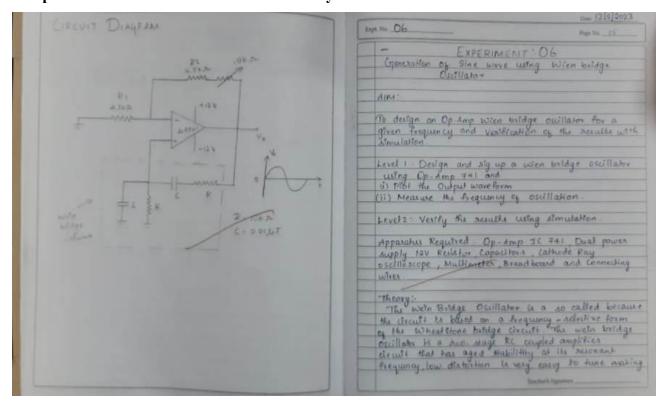


Figure 1. Screenshot of Wein Bridge Oscillator circuit lab record



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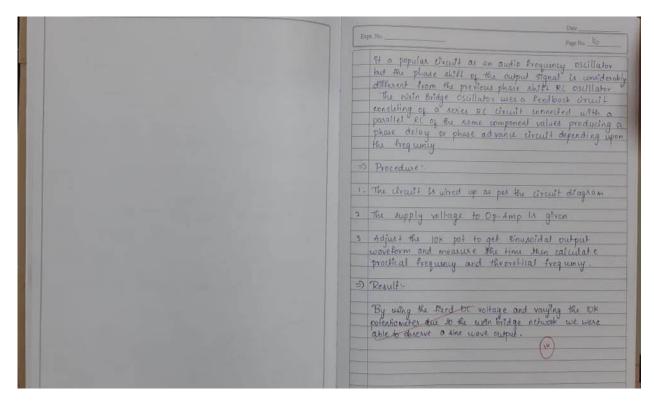


Figure 2. Screenshot of Wein Bridge Oscillator circuit lab record

K Sneekauth Redy Signature of Instructor.

K Speckantte Reday
Signature of Instructor In-Charge

Mark

Dr. V Joshi Manohar

Head of the Department Electrical and Electronics Engineering School of Engineering PRESIDENCY UNITERSITY Referrulaments, Yatahanka, Bengaluru -64



(Private University Estd. in Karnataka State by Act No.41 of 2013)

SCHOOL of ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Year: 2022-2023 Semester: 4th Section: 4-EEE-1 Date: 16-05-2023

Course Title: Microprocessor & Microcontrollers.

Course Code: EEE2005

Type of Skill: Skill Development

Type of Session: Experiential Learning.

Type of Activity: Students were encouraged to perform and demonstrate the various experiments that are listed as per the course handout through experiential learning to develop the following skill sets in the laboratory:

- 1. An attitude of enquiry.
- 2. Confidence and ability to tackle new problems.
- 3. Ability to interpret events and results.
- 4. Ability to work as a leader and as a member of team.
- 5. Assess errors and eliminate them.
- 6. Observe and measure physical phenomenon.
- 7. Write Reports.
- 8. Select suitable equipment, instrument and materials.
- 9. Manipulative skills for setting and handling equipment.
- 10. The ability to follow standard test procedures.

Instructor in Charge: Mr. Ravi V Angadi.

Instructor for Section: Mr. Ravi V Angadi.

Details about the activity: Performing and demonstrating the various experiments hands-on.

Details of the students involved in the activity: 4EEE1 Students

Sl. No	Student Id No.	Name of the Student
1.	20211EAE0027	DUSHANTH B
2.	20211EEE0001	PENUGONDA CHARAN
3.	20211EEE0002	SHAIK AHAMMAD
4.	20211EEE0003	SUMAN
5.	20211EEE0004	YAMUNA M N
6.	20211EEE0005	HARIKRISHNA
7.	20211EEE0006	PIYUSH NISHAD
8.	20211EEE0007	GAGANMURTHY
9.	20211EEE0008	HRUTHIK H B
10.	20211EEE0009	ANUSHA B
11.	20211EEE0010	SUPRITH D L
12.	20211EEE0011	NITHISH U
13.	20211EEE0012	VIDYA SHREE G N
14.	20211EEE0013	R V GANESH

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1.5	0004455504	anyon aya w
15.	20211EEE0014	SINCHANA M
16.	20211EEE0015	BINDHURC
17.	20211EEE0016	GAGAN SAI A S
18.	20211EEE0017	KAVYA N
19.	20211EEE0018	ROHAN R
20.	20211EEE0019	BHARATH H D
21.	20211EEE0020	RUDRAGOUDA K POLICE PATIL
22.	20211EEE0021	HARSHITHA B S
23.	20211EEE0023	MASROOR AHMED
24.	20211EEE0024	ANIRUDH S
25.	20211EEE0025	RATHISH HOMBALE N
26.	20211EEE0026	MOHAMMED AIMAN KHAN
27.	20211EEE0027	YASHWANTH KUMAR S
28.	20211EEE0028	ADARSH A
29.	20211EEE0029	CHETHAN S KATTI
30.	20211EEE0030	JATIN SHARMA
31.	20211EEE0031	TEJASHWINI ANNAPPAGOUDA PATIL
32.	20211EEE0032	MANTHU NANDHINI
33.	20211EEE0033	MOHAMMAD NABEEL ABBAS
34.	20211EEE0034	RAJANEESH B S
35.	20211EEE0035	V RAHUL BALAJIGA
36.	20211EEE0036	DEEPAK DANIEL F
37.	20211EEE0037	KHALEEL H TELSUNG
38.	20211EEE0038	HEMANT PANDIT
39.	20211EEE0039	AKASH K
40.	20211EEE0040	MOHAMED THABISH.
41.	20211EEE0041	NAYANI POORNACHANDAN ROYAL
42.	20211EEE0042	ABHISHEK BASAVARAJ HAMPANNAVAR
43.	20211EEE0043	RISHIKA R
44.	20211EEE0044	MOHAMMED ABRAR.
45.	20211EEE0046	BASIL BINU
46.	20211EEE0047	G KIRAN KUMAR
47.	20211EEE0048	SAGAR D M
48.	20211EEE0050	YASWANTH BUDURI
49.	20211EEE0051	MADIVADA HEMANTH
50.	20211EEE0052	YENNABOINA RAHUL
51.	20211EEE0053	KARRI GOWRI ESWAR
52.	20211EEE0055	SETTIPALLI SAINATH
53.	20211EEE0056	SHREYAS E
54.	20211EPE0002	SIRICHAPALA UDAY MALIK
55.	20221LEE0001	NANDYALA SIVA MANOJ REDDY
56.	20221LEE0002	CHINTHA MANJUNATH
57.	20221LEE0003	K TUNISH
58.	20221LEE0004	KUPPAM MANJUNATHA

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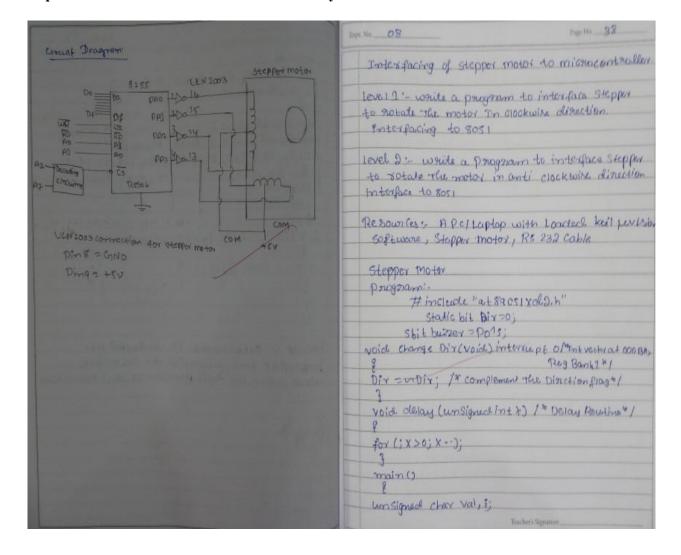




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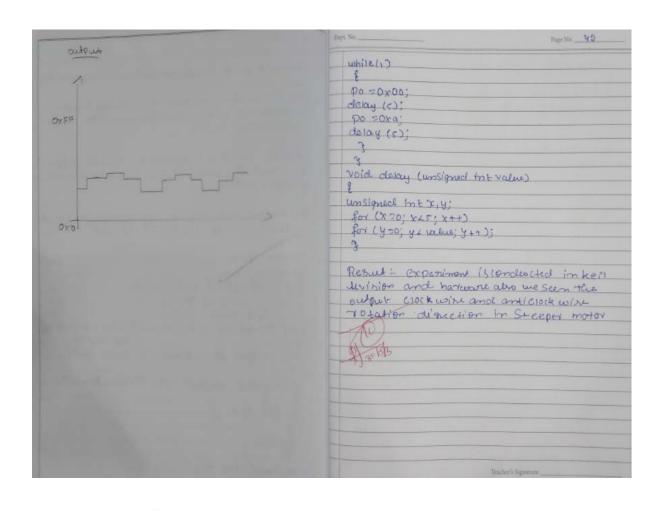
59.	20221LEE0005	RITHIKA RAJ
60.	20221LEE0006	BHUVAN B U
61.	20221LEE0007	RAGHU M

Sample Lab Record Screen shots of the activity.





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Signature of Instructor.

Signature of Instructor In-Charge

Dr. V Joshi Manohar

Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNITERSITY
Regionalizante, Yelahanka, Bengaluru -64



(Private University Estd. in Karnataka State by Act No.41 of 2013)

SCHOOL of ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Year: 2022-2023 Semester: 4th Section: 4-EEE-1 Date: 09-03-2023

Course Title: Electrical Machines Laboratory.

Course Code: EEE2062

Type of Skill: Skill Development

Type of Session: Experiential Learning.

Type of Activity: Students were encouraged to perform and demonstrate the various experiments that are listed as per the course handout through experiential learning to develop the following skill sets in the laboratory:

- 1. An attitude of enquiry.
- 2. Confidence and ability to tackle new problems.
- 3. Ability to interpret events and results.
- 4. Ability to work as a leader and as a member of team.
- 5. Assess errors and eliminate them.
- 6. Observe and measure physical phenomenon.
- 7. Write Reports.
- 8. Select suitable equipment, instrument and materials.
- 9. Locate faults in systems.
- 10. Manipulative skills for setting and handling equipment.
- 11. The ability to follow standard test procedures.
- 12. An awareness of the need to observe safety precautions.
- 13. To judge magnitudes without actual measurement.

Instructor in Charge: Mr. Sunil Kumar A V. **Instructor for Section:** Mr. Sunil Kumar A V.

Details about the activity: Performing and demonstrating the various experiments hands-on.

Details of the students involved in the activity: 4EEE1 Students

Sl. No	Student Id No.	Name of the Student
1.	20211EAE0027	DUSHANTH B
2.	20211EEE0001	PENUGONDA CHARAN
3.	20211EEE0002	SHAIK AHAMMAD

City Office: University House, 8/1, King Street, Richmond Town, Bengaluru - 5600254

Campus: Presidency University, Itgalpur, Rajankunte, Bengaluru - 560064 Phone: + 80 4925 5533 / 5599 Email ID: info@presidencyuniversity.in

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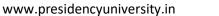


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4.	20211EEE0003	SUMAN
5.	20211EEE0004	YAMUNA M N
6.	20211EEE0005	HARIKRISHNA
7.	20211EEE0006	PIYUSH NISHAD
8.	20211EEE0007	GAGANMURTHY
9.	20211EEE0008	HRUTHIK H B
10.	20211EEE0009	ANUSHA B
11.	20211EEE0010	SUPRITH D L
12.	20211EEE0011	NITHISH U
13.	20211EEE0012	VIDYA SHREE G N
14.	20211EEE0013	R V GANESH
15.	20211EEE0014	SINCHANA M
16.	20211EEE0015	BINDHU R C
17.	20211EEE0016	GAGAN SAI A S
18.	20211EEE0017	KAVYA N
19.	20211EEE0018	ROHAN R
20.	20211EEE0019	BHARATH H D
21.	20211EEE0020	RUDRAGOUDA K POLICE PATIL
22.	20211EEE0021	HARSHITHA B S
23.	20211EEE0023	MASROOR AHMED
24.	20211EEE0024	ANIRUDH S
25.	20211EEE0025	RATHISH HOMBALE N
26.	20211EEE0026	MOHAMMED AIMAN KHAN
27.	20211EEE0027	YASHWANTH KUMAR S
28.	20211EEE0028	ADARSH A
29.	20211EEE0029	CHETHAN S KATTI
30.	20211EEE0030	JATIN SHARMA
31.	20211EEE0031	TEJASHWINI ANNAPPAGOUDA PATIL
32.	20211EEE0032	MANTHU NANDHINI
33.	20211EEE0033	MOHAMMAD NABEEL ABBAS
34.	20211EEE0034	RAJANEESH B S
35.	20211EEE0035	V RAHUL BALAJIGA
36.	20211EEE0036	DEEPAK DANIEL F
37.	20211EEE0037	KHALEEL H TELSUNG
38.	20211EEE0038	HEMANT PANDIT
39.	20211EEE0039	AKASH K
40.	20211EEE0040	MOHAMED THABISH.
41.	20211EEE0041	NAYANI POORNACHANDAN ROYAL
42.	20211EEE0042	ABHISHEK BASAVARAJ HAMPANNAVAR
43.	20211EEE0043	RISHIKA R
44.	20211EEE0044	MOHAMMED ABRAR.
45.	20211EEE0046	BASIL BINU
46.	20211EEE0047	G KIRAN KUMAR
	20211EEE0048	SAGAR D M

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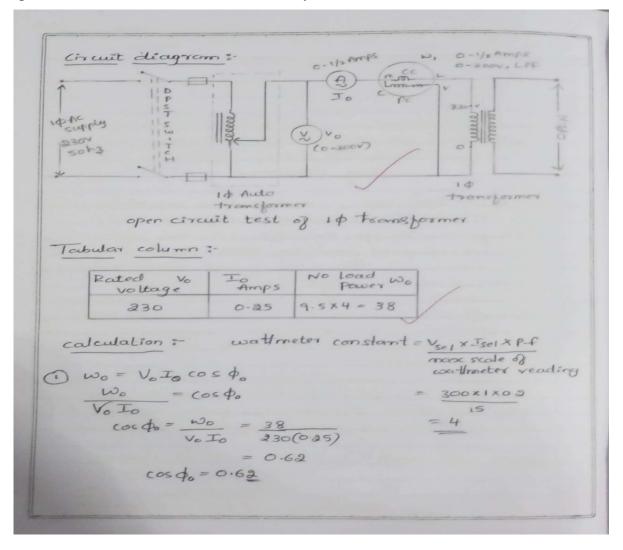




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48.	20211EEE0050	YASWANTH BUDURI
49.	20211EEE0051	MADIVADA HEMANTH
50.	20211EEE0052	YENNABOINA RAHUL
51.	20211EEE0053	KARRI GOWRI ESWAR
52.	20211EEE0055	SETTIPALLI SAINATH
53.	20211EEE0056	SHREYAS E
54.	20211EPE0002	SIRICHAPALA UDAY MALIK
55.	20221LEE0001	NANDYALA SIVA MANOJ REDDY
56.	20221LEE0002	CHINTHA MANJUNATH
57.	20221LEE0003	K TUNISH
58.	20221LEE0004	KUPPAM MANJUNATHA
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60.	20221LEE0006	BHUVAN B U
61.	20221LEE0007	RAGHU M
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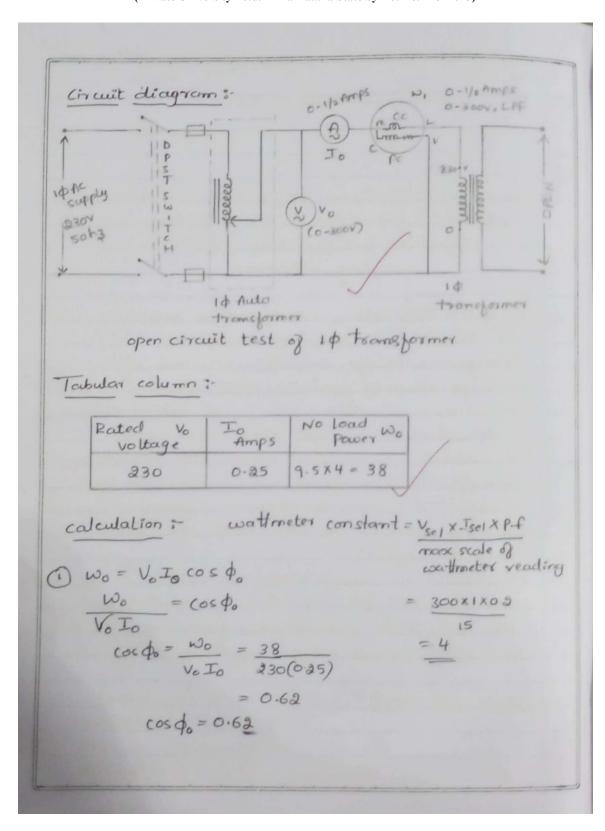
Sample Lab Record Screen shots of the activity.



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	Date 9 3 2023
Expt. No 0.3	Page No. 08
Load test on pc	shunt motor
y conducting loa	ristics of DC shurt motor
Name glate details :-	
Dc shunt	motor
make	Benn
НР	3
R.Pm	1500
Vo US	220
Amps	12
Expected volls	220
Expected Amps	0.6
Equipments required :	m
	A CONTRACTOR OF THE PARTY OF TH
Equipment Ronge Quantity	Purpose
DC startes 3HP/3 point 01	To control the starting Con
Rheostat 3002 1-29 01	To corrhol field e'n of motos
Vollmeter (0-290V) 01	To measure motors voltage
Ammeter (0-30A) 01	To measure motor current
Ammeter (0-2A) 01	To measure field current
	3 5 5
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Signature of Instructor.

Signature of Instructor In-Charge

Dr. V Joshi Manohar

Head of the Department Electrical and Electronics Engineering School of Engineering PRESIDENCY UNITERSITY Rejarcularate, Yelahanka, Bengaluru -64

City Office: University House, 8/1, King Street, Richmond Town, Bengaluru - 560025

Campus: Presidency University, Itgalpur, Rajankunte, Bengaluru - 560064 **Phone**: + 80 4925 5533 / 5599 **Email ID**: info@presidencyuniversity.in





(Private University Estd. in Karnataka State by Act No.41 of 2013)

SCHOOL of ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Year: 2022-2023 Semester: 4th Section: 4-ISR

Course Title: Microcontroller Applications

Course Code: EEE3051

Type of Skill: Skill Development

Type of Activity: Experiential Learning

Instructor in Charge: Dr. Sumit Kumar Jha. **Instructor for Section:** Dr. Sumit Kumar Jha.

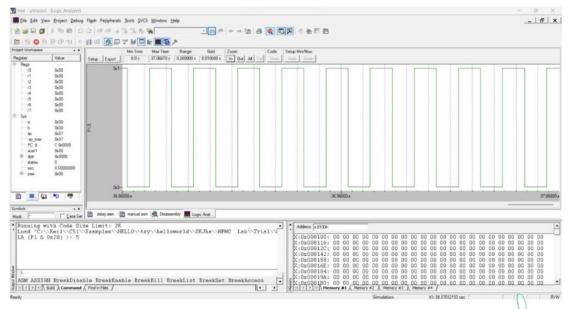
Details about the activity: Students were asked to write program on Keil μvision software to validate the logic flow of the program and write the final output. This activity is performed in groups pertaining to Experiential Learning. The activity focuses on Skill Development.

Topic of Activity: To write 8051 programs in Keil µvision software.

Details of the students involved in the activity:

S.No	Roll Number	Name of the Student
1	20211ISR0017	P L THIYAGARAJAN
2	20211ISR0034	MADHUBALA S
3	20211ISR0031	CHANDANA V

Sample Assessment as mentioned in the topic.



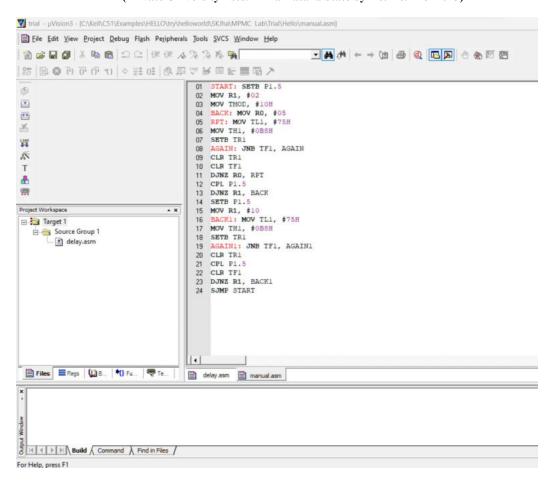
City Office: University House, 8/1, King Street, Richmond Town, Bengaluru - 5600254

Campus: Presidency University, Itgalpur, Rajankunte, Bengaluru - 560064 **Phone**: + 80 4925 5533 / 5599 **Email ID**: info@presidencyuniversity.in





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Signature of Instructor.

Signature of Instructor In-Charge

Dr. V Joshi Manohar

Head of the Department Electrical and Electronics Engineering School of Engineering PRESIDENCY UNITERSITY Regimularite, Yulahanka, Bengaluru -64





(Private University Estd. in Karnataka State by Act No.41 of 2013)

SCHOOL of ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Year: 2022-2023 Semester: 6th Section: 6-EEE-1 Date: 27-02-2023

Course Title: Power System Simulation Lab.

Course Code: EEE3061

Type of Skill: Skill Development

Type of Session: Experiential Learning.

Type of Activity: Students were encouraged to perform and demonstrate the various experiments that are listed as per the course handout through experiential learning to develop the following skill sets in the laboratory:

- 1. An attitude of enquiry.
- 2. Confidence and ability to tackle new problems.
- 3. Ability to interpret events and results.
- 4. Ability to work as a leader and as a member of team.
- 5. Assess errors and eliminate them.
- 6. Write Reports.
- 7. Select suitable equipment, instrument and materials.
- 8. Locate faults in systems.
- 9. The ability to follow standard test procedures.
- 10. An awareness of the need to observe safety precautions.

Instructor in Charge: Mr. Ravi V Angadi. **Instructor for Section:** Mr. Ravi V Angadi.

Details about the activity: Performing and demonstrating the various experiments hands-on.

Details of the students involved in the activity: 7EEE1 Students

Sl. No	Student Id No.	Name of the Student
1.	20201EAE0002	RAHEL ANN JOHNSON
2.	20201EAE0003	ANAND U R
3.	20201EEE0001	SONU KUMAR
4.	20201EEE0003	SHRAVANI N
5.	20201EEE0005	RAKSHITHA B
6.	20201EEE0007	S THYAGARAJ
7.	20201EEE0008	VARSHITHA GOWDA M
8.	20201EEE0011	SAI NAYANA
9.	20201EEE0012	G YOGESHWARAN
10.	20201EEE0015	ABHISHEK TT
11.	20201EEE0016	PRITHEESH VARMA VARMA
12.	20201EEE0018	FIZA
13.	20201EEE0021	JILLIVARI KURUVA PRASAD

City Office: University House, 8/1, King Street, Richmond Town, Bengaluru - 560025

REGISTRAR

Campus: Presidency University, Itgalpur, Rajankunte, Bengaluru - 560064 **Phone**: + 80 4925 5533 / 5599 **Email ID**: info@presidencyuniversity.in



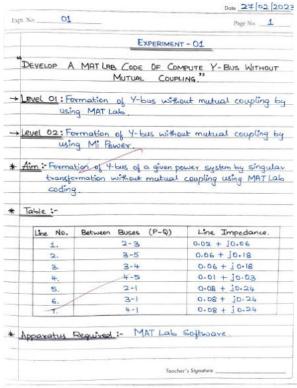
(Private University Estd. in Karnataka State by Act No.41 of 2013)

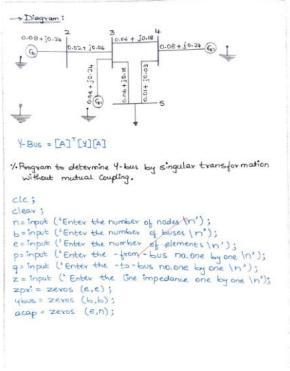
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41. 20211LEE0024 MAHESH M R 42. 20211LEE0025 DARSHAN T C 43. 20211LEE0026 ARUNA P 44. 20211LEE0027 KUSHAL R 45. 20211LEE0028 SHASHANK GOWDA K N 46. 20211LEE0029 ABHI J T 47. 20211LEE0030 BABITHA GAIKWAD G	39.	20211LEE0022	MOHAMMED SHAH ALAM
42. 20211LEE0025 DARSHAN T C 43. 20211LEE0026 ARUNA P 44. 20211LEE0027 KUSHAL R 45. 20211LEE0028 SHASHANK GOWDA K N 46. 20211LEE0029 ABHI J T 47. 20211LEE0030 BABITHA GAIKWAD G	40.	20211LEE0023	PATEL CHIKKALINGE GOWDA
43. 20211LEE0026 ARUNA P 44. 20211LEE0027 KUSHAL R 45. 20211LEE0028 SHASHANK GOWDA K N 46. 20211LEE0029 ABHI J T 47. 20211LEE0030 BABITHA GAIKWAD G	41.	20211LEE0024	MAHESH M R
44. 20211LEE0027 KUSHAL R 45. 20211LEE0028 SHASHANK GOWDA K N 46. 20211LEE0029 ABHI J T 47. 20211LEE0030 BABITHA GAIKWAD G	42.	20211LEE0025	DARSHAN T C
45. 20211LEE0028 SHASHANK GOWDA K N 46. 20211LEE0029 ABHI J T 47. 20211LEE0030 BABITHA GAIKWAD G	43.	20211LEE0026	ARUNA P
46. 20211LEE0029 ABHI J T 47. 20211LEE0030 BABITHA GAIKWAD G	44.	20211LEE0027	KUSHAL R
47. 20211LEE0030 BABITHA GAIKWAD G	45.	20211LEE0028	SHASHANK GOWDA K N
	46.	20211LEE0029	АВНІ Ј Т
48. 20211LEE0031 RAMEGOWDA K T	47.	20211LEE0030	BABITHA GAIKWAD G
	48.	20211LEE0031	RAMEGOWDA K T



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Sample Lab Record Screen shots of the activity.





```
"Getting the Primitive admittance matrix.
  for 1=1:1:e
     2pxi (i,i) = z(i,1);
  end
     (irdz) nui = ind
1. Getting the incidence matrix
   fox j=1:1:e
      9(=p(j,1);
      s=q(j,1);
      acap ( j,91) = 1;
      acap (j.s) = -1;
   end
      acap ;
      acap (:,1) = [];
       a = acap
      at = a';
1. Getting the Ybus matria
     ybus = at * ypri * a
```

```
* Input Data :-
   Enter the number of nodes
  Enter the number of buses
  Enter the number of elements
  Enter the from - bus no one by one
   [2;3;3;4;2;3;4]
  Enter the -fr to - bus no one by one [3;5;4;5;1;1]
  Enter the line impedance one by one
   [0.02 + 0.061;
   0.06 + 0.18;
    0.06 + 0.481 3
    0.01+0.031;
  0.08 + 0.241;
    0.08 + 0.241;
   0.08 + 0.241 ]
A OUTPUT :-
   Y-bus =
                                0.0000 + 0.00007
   6.2500 -18.75001 -5.0000+15.00001
                                                0.0000 + 0.0000
  -5.0000 +15.0000; 9.8833+28.7500; -1.6667+5.0000; -1.6667+5.0000;
   0.0000 + 0.0000 -1.6667+5.0000
                                11.6667+35.0000; -10.0000+30.0000;
   0.0000 + 0.0000; -1.6667+ 5.0000; -10.0000+ 30.0000; 12.9167-38.7500;
```



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	Result:
	In this experiment, we learnt to develop a matlab program to create a Ybus matrix from given data & Computed
	same.
	(10/10)
	62
OUTPUT:	6/3/
ESTRIBUTED FOR A CONTRACT OF THE PROPERTY OF T	
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ELLA The Jim supplies out to you	
11. 12-1. (m. v. 12-0. (f), 1. (***) (1. (***)), 1. (***) (4. (***), 4**) (4**)	
A PER CLAPSON, CORNEL STATE TORS COMMAND A MEMORY PROPERTY.	
-0.000 -0.0000 0.000 -0	
	* 1.4
	Teacher's Signature

Signature of Instructor.

Signature of Instructor In-Charge

Dr. V Joshi Manohar
Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNITERSITY
Retarmularite, Yelahanka, Bengaluru -64



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SCHOOL of ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course Title: Electrical CAD Lab.

Course Code: EEE2064

Type of Skill: Skill Development

Type of Session: Experiential Learning.

Type of Activity: Students were encouraged to perform and demonstrate the various experiments that are listed as per the course handout through experiential learning to develop the following skill sets in the laboratory:

- 1. An attitude of enquiry.
- 2. Confidence and ability to tackle new problems.
- 3. Ability to interpret events and results.
- 4. Assess errors in systems/processes/programs/computations and eliminate them.
- 5. Write reports
- 6. Select suitable equipment, instrument, materials & software
- 7. Manipulative skills for setting and handling systems/Process/ Issues
- 8. To judge magnitudes/Results/issues without actual measurement/actual contacts

Instructor in Charge: Dr Jisha L K.

Instructors for Section: Dr Jisha L K, Mr. Ravi V Angadi, Mr Bishakh Paul

Details about the activity: Performing and demonstrating the various experiments hands-on.

Details of the students involved in the activity: 6EEE1 Students

Sl. No.	Student ID No	Name
1	20201EAE0002	RAHEL ANN JOHNSON
2	20201EAE0003	ANAND UR
3	20201EEE0001	SONU KUMAR
4	20201EEE0003	SHRAVANI N
5	20201EEE0005	RAKSHITHA B
6	20201EEE0007	S THYAGARAJ
7	20201EEE0008	VARSHITHA GOWDA M
8	20201EEE0011	SAI NAYANA A
9	20201EEE0012	G YOGESHWARAN
10	20201EEE0015	ABHISHEK TT
11	20201EEE0016	KAMPA PREETHISH
12	20201EEE0018	FIZA

City Office: University House, 8/1, King Street, Richmond Town, Bengaluru - 560025

Campus: Presidency University, Itgalpur, Rajankunte, Bengaluru - 560064 Phone: + 80 4925 5533 / 5599 Email ID: info@presidencyuniversity.in





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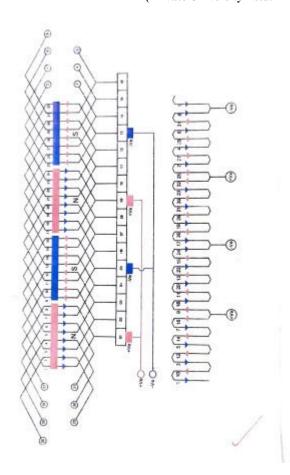
13	20201EEE0021	JILLIVARI KURUVA PRASAD
14	20201EEE0022	YASHASWINI BG
15	20201EEE0023	SHRUJAN H S
16	20201EEE0025	VISHALA R
17	20201EEE0026	MANJUNATH K
18	20211LEE0001	DEEP CHATTERJEE
19	20211LEE0002	THATHIREDDY PERUMAL
20	20211LEE0003	FAKIR SAEED SALIMSHA
21	20211LEE0004	YOGENDRA
22	20211LEE0005	SANTHOSH V
23	20211LEE0006	PRABHAS M
24	20211LEE0007	SANJAY M K
25	20211LEE0008	MANOJ K P
26	20211LEE0009	PAVAN V
27	20211LEE0010	ROHIT GURUNATH MATHAPATI
28	20211LEE0011	KISHORE TEJA S N
29	20211LEE0012	HAMSA SHREE R
30	20211LEE0013	CHARANREDDY S V
31	20211LEE0014	AMBIKA M BIJAPUR
32	20211LEE0015	NAGENDRA B
33	20211LEE0016	NIRANJAN JAGADISH PAMMAR
34	20211LEE0017	NARESH R N
35	20211LEE0018	MURULI A V
36	20211LEE0019	G TARUN
37	20211LEE0020	SACHIN P
38	20211LEE0021	CHARAN P
39	20211LEE0022	MOHAMMED SHAH ALAM
40	20211LEE0023	PATEL CHIKKALINGE GOWDA
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45	20211LEE0028	SHASHANK GOWDA K N
46	20211LEE0029	АВНІ Ј Т
47	20211LEE0030	BABITHA GAIKWAD G
48	20211LEE0031	RAMEGOWDA K T

Sample Lab Record Screen shots of the activity.





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Successful a Himple De Mill Heard.

Similar Develop a Himple De Left Wound.

Similar Develop a Himple De Left wound arimature high rainding for the green problem whatment.

Problem obtatement: - Develop a dinch larger lap winding diagram for a De machine having 32 armoture conductors and 4-poles mark the poles, draw the exquence diagram indicate the position of the brusher and show the direction of induced emf.

Soli:

1: - Analyse the problem E list the given data no of poles (p) = 4

* Type of abromature rainding:
Single layer of alimpter dop winding

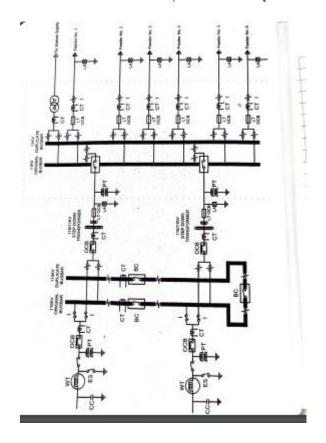
2: - Calculate the pole pitch front pitch back pitch: = Z/P: 32/4:8

there (Yo + Ye) /2 = 8

there (Yo + Ye) /2 = 8



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	Experiment 86:03 EXPRID 03
	Develop a ringle line diagram of
	Sim: Develop a near single line diagram using I S3 stymbols 18 110 KV/11XV Mader Unix dubrilation with Johnson Adails.
	Problem Waterant :-
	using ISI dynahols for HOKY/HKY marks unit substation with following details Graming line: Two NORY
	I line Two, OCB HOKY Franchemens Two deploymen uskylis
	+ Line Two stepdown waxyling + I nonyformers Two stepdown waxyling + L T Ox Bx for transformers - Two + Duplicate our box on high tension & law tension dides to be indicated.
	the carpet on HI was by
	+ Station aupply transferrer -
100	Indicate earthing durith, coupling condenses lightening arresters, more traps, PTS & CT at appropriate places
	at appropriate practs

Signature of Instructor.

Signature of Instructor In-Charge

Dr. V Joshi Manohar

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Electrical and Electronics Engineering
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Regionalizante, Yalahanka, Bengaluru 44

