

**DEPARTMENT OF ELECTRICAL AND COMMUNICATIONS ENGINEERING**  
**WORKSHOP PRACTICE SCHEDULE (2023/2024) AY**

<b>WEEK 1 (13<sup>th</sup> -17<sup>th</sup> May,2024)</b>					
<b>DATE</b>	<b>TIME</b>	<b>EXERCISE</b>	<b>VENUE</b>	<b>GROUP</b>	<b>ASSIGNED STAFF</b>
15 <sup>th</sup> May, 2024(Wed)	8 - 10.am	Registration of 1 <sup>st</sup> years and 2 <sup>nd</sup> Years	LBB B05	<b>ALL STUDENTS</b>	Mr. Kitiyo/ Ms Anami
	11am-5pm	Introduction to workshop practice I; Electronics, Assignment on Symbols	LBB 109	<b>1A-1I</b>	Mr. Fabian/ Ochieng
	11am-5pm	Introduction to workshop practice II; Course Requirement and goals, Assessment Workshop Safety, Fire Safety, First Aid	LBB B05	<b>2A-2M</b>	Mr. Kitiyo
<b>CATEGORY A GROUP</b>					
16 <sup>th</sup> May, 2024 (Thur)	9.30am-12.30pm	Introduction to workshop practice I; Electronics, Assignment on Symbols	LBB B05	<b>1J-1S</b>	Mr. Ochieng
	9.30-12.30pm	Electronics workshop design-Layout, Tools, Equipments, Storage Facilities	LBB 109	<b>2A-2G</b>	Mr. Fabian
	2-5pm	Advanced Measuring systems ( e.g. CRO, Megger, Function Generator, Spectrum Analyzers, etc) Exercises on General Measuring Instruments	LBB B05		Mr. Vitalis
17 <sup>th</sup> May, 2024 (Frid)	9.30-1pm	Electrical, Workshop Safety, Course Requirement and goals, Assessment	LBB 109	<b>1A-1I</b>	Mr. Ochieng
	9.30am-5pm	<b>Prototype Boards</b> Breadboards, Perfboard, Copper clad boards, Surface mount boards, Backplanes and motherboards, Multilayer PCB, Etched Circuit boards, Exercises on Prototype Boards.	LBB B05	<b>2A-2G</b>	Mr. Liheeli
<b>WEEK 2 (20<sup>th</sup>- 24<sup>th</sup> May,2024)</b>					
20 <sup>th</sup> May, 2024(Mon)	9.30-1pm	Electrical, Workshop Safety, Course Requirement and goals, Assessment	LBB 109	<b>1J-1S</b>	Mr. Ochieng
	2-5pm	Introduction to Prototype Boards - Breadboards Exercises on Prototype Boards.	LBB B05	<b>1A-1I</b>	Mr. Brian
	9.30-5pm	Brief Review on Testing of Resistors, Diodes, Capacitors, Inductors	LBB 109	<b>2A-2G</b>	Mr. Liheeli
21 <sup>st</sup> May, 2024(Tue)	9.30-5pm	Testing of Semiconductor devices (Short ccts tests, Open cct tests, Hfe and Leakage tests). Carrying out both hot test and cold tests on Diodes, Bipolar Transistors, Silicon Controlled rectifiers SCR, Triacs and Diacs. -Familiarization with semiconductor catalogues (NTE and A to Z). Exercises on Semiconductor devices	LBB B05	<b>2A-2G</b>	Mr. Liheeli
	9.30-5pm	Introduction to Prototype Boards - Breadboards Exercises on Prototype Boards.	LBB 109	<b>1J-1S</b>	Mr. Fabian/ Ochieng
22 <sup>nd</sup> May 2024 (Wed)	9.30-1pm	Introduction to Basic Measuring systems (e.g. Analogue Multimeter, Digital Multimeters, <b>Exercises</b> on the measuring systems (i.e., Voltage, Resistance, Capacitance, and Inductance, Transistor hfe values, frequency and Phase measurements.	LBB B05	<b>1A-1I</b>	Mr. Brian/ Kitiyo
	2-5pm	Relays and their application, Testing Relays	LBB B05	<b>2A-2G</b>	Mr. Liheeli
23 <sup>rd</sup> May 2024 (Thur)	9.30-1pm	Introduction to Basic Measuring systems (e.g. Analogue Multimeter, Digital Multimeters,	LBB B05	<b>1J-1S</b>	Mr. Brian/ Kitiyo

		<b>Exercises</b> on the measuring systems (i.e., Voltage, Resistance, Capacitance, and Inductance, Transistor hfe values, frequency and Phase measurements.			
	2-5pm	Transformers (Definition): -Basic concept of a transformer, Types of Transformers (i.e Single Phase and Three Phase). -Types of single Phase Low Power Transformers ( i.e step down, Center tapped, non- center tapped TX, Chopper Tx , I.F Tx, and Fly- back transformers Tx.	LBB B05	<b>2A-2G</b>	Mr. Ochieng/ Vitalis
24 <sup>th</sup> May, 2024(Fri)	9.30-1pm	-Faults on Transformers i.e Short and open circuit tests, Eddy Current Power losses. -Testing of Single Phase Transformers both Physical and Ohmmeter tests.	LBB B05	<b>2A-2G</b>	Mr. Ochieng/ Vitalis
	9-11am	Presentation of Assignment on Symbols Practical assessment	LBB 109	<b>1J-1S</b>	Mr. Kitiyo
	11am-1pm	Presentation of Assignment on Symbols Practical assessment	LBB 109	<b>1A-1I</b>	Mr. Kitiyo
<b>WEEK 3 (27<sup>th</sup> -31<sup>st</sup> May, 2024)</b>					
27 <sup>st</sup> May, 2024 (Mon)	9.30-5pm	<b>Resistor</b> (Define) <b>Types of Resistors</b> , Carbon film, Wire wound and droppers etc. Series and Parallel arrangement. Resistor Power rating, Resistor Color Coding. <b>Exercises on Resistor</b> Color Coding vis a vie the Meter reading values, series and parallel	LBB B05	<b>1J-1S</b>	Mr. Vitalis
28 <sup>th</sup> May 2024 (Tue)	9.30-5pm	<b>Resistor</b> (Define) <b>Types of Resistors</b> , Carbon film, Wire wound and droppers etc. Series and Parallel arrangement. Resistor Power rating, Resistor Color Coding. <b>Exercises on Resistor</b> Color Coding vis a vie the Meter reading values, series and parallel	LBB B05	<b>1A-1I</b>	Mr.Vitalis
29 <sup>th</sup> May, 2024(Wed)	9.30-5pm	Introduction to Drawing Software- <b>Electronic Workbench</b>	LBB 109	<b>2A-2G</b>	Mr. Kitiyo/ Fabian/ Ochieng
30 <sup>th</sup> May, 2024(Thur)	9.30-5pm	Capacitors, types and tests (cold and hot tests)	LBB B05	<b>1A-1I</b>	Mr. Liheeli
31 <sup>st</sup> May, 2024(Fri)	9.30-5pm	Capacitors, types and tests (cold and hot tests)	LBB B05	<b>1J-1S</b>	Mr. Liheeli
<b>WEEK 4 ( 3<sup>rd</sup> -7<sup>th</sup> June, 2024 )</b>					
3 <sup>rd</sup> June, 2024(Mon)		Introduction to Drawing Software- <b>Proteus</b>	LBB 109	<b>2A-2G</b>	Mr. Kitiyo/ Fabian/ Ochieng
4 <sup>th</sup> June, 2024 (Tue)	9.30-5pm	Inductors and Relays, Connection of relays in a Light to Dark Detector circuit	LBB B05	<b>1A-1I</b>	Mr.Vitalis
5 <sup>th</sup> June, 2024 (Wed)	9.30-5pm	Inductors and Relays, Connection of relays in a Light to Dark Detector circuit	LBB B05	<b>1J-1S</b>	Mr.Vitalis
6 <sup>th</sup> June, 2024 (Thur)	9.30-5pm	Introduction to Drawing Software- <b>Edrawmax</b>	LBB 109	<b>2A-2G</b>	Mr. Kitiyo/ Fabian/ Ochieng
7 <sup>th</sup> June, 2024 (Fri)	9.30am-12.30pm	Diodes and tests	LBB B05	<b>1A-1I</b>	Mr. Brian
	2-5pm	Diodes and tests		<b>1J-1S</b>	Mr. Brian
		Introduction to <b>SCADA</b>	LBB 109	<b>2A-2G</b>	Kitiyo/Fabian

<b>WEEK 5 ( 10<sup>th</sup> -14<sup>th</sup> June, 2024)</b>					
10 <sup>th</sup> -14 <sup>th</sup> June, 2024	9.30-5pm	CSE	CSE	2A-2L	CSE Trainers
10 <sup>th</sup> June, 2024 (Mon)	8am-1pm	One- way and 2 way switching system	LBB 211	MIE Grp 1	Mr. Chimoi
	8.30-1pm	<b>Lighting Circuits (Theory)</b> Theory on Types and their application: 1 gang-4 gang, 1 way Switching, 2 way Switching, Intermediate <b>-Master</b>	LBB 109/	1A-1I	Mr. Mbogo
	2-5pm	<b>-Automatic (photocell, Motion Sensor, Timer Switch)</b> <b>Exercise on:</b> One- way switching system	LBB 211		
11 <sup>th</sup> June, 2024 (Tue)	8am-1pm	One- way and 2 way switching system	LBB 211	MIE Grp 2	Ms. Anami
	8.30-1pm	<b>Lighting Circuits (Theory)</b> Theory on Types and their application: 1 gang-4 gang, 1 way Switching, 2 way Switching, Intermediate <b>-Master</b>	LBB 109	1J-1S	Mr. Mbogo
	2-5pm	<b>-Automatic (photocell, Motion Sensor, Timer Switch)</b> <b>Exercise on:</b> One- way switching system	LBB 211		
12 <sup>th</sup> June, 2024 (Wed)	8am-1pm	One- way and 2 way switching system	LBB 211	MIE Grp 3	Ms. Anami
	2-5pm	Exercise on: Two way switching lighting system	LBB 211	1A-1I	Mr. Chimoi
13 <sup>th</sup> June, 2024 (Thur)	8am-1pm	One- way and 2 way switching system	LBB 211	MIE Grp 4	
	2-5pm	Exercise on: Two way switching lighting system	LBB 211	1J-1S	
14 <sup>th</sup> June, 2024 (Fri)	8am-1pm	One- way and 2 way switching system	LBB 211	MIE Grp 4	Mr. Mbogo
	9.30-12.30pm	Design a mini project	LBB B05	1A-1I	Mr.Vitalis
	2-5pm	Soldering Project cct on copper strip Board. Desoldering ccts on copper strip boards			
<b>WEEK 6 (17<sup>th</sup> -21<sup>st</sup> June, 2024)</b>					
17 <sup>th</sup> -21 <sup>st</sup> June, 2024	9.30-5pm	MIE	MIE	2A-2L	MIE Trainers
17 <sup>th</sup> June,2024 (Mon)	9-12.30 pm	One- way and 2 way switching system	LBB 211	CSE G1	Mr. Chimoi
	2-5pm			CSE G2	
	9.30 - 12.30p.m	Design a mini project	LBB B05	1J-1S	Ms. Vitalis
	2.00 - 5.00 p.m	Soldering Project cct on copper strip Board. Desoldering ccts on copper strip boards			
18-19 <sup>th</sup> June,2024 (Wed)	N/A	2 Day Visit Industrial Visit- <b>subject to budget Approval</b>	Industry	1A-1S	
18 <sup>th</sup> June, 2024 (Tue)	9-12.30 pm	One- way and 2 way switching system	LBB 211	CSE G3	Mr. Mbogo
	2-5pm			CSE G4	
19 <sup>th</sup> June, 2024 (Wed)	9-12.30 pm	One- way and 2 way switching system	LBB 211	CSE G5	Ms. Anami
	2-5pm			CSE G6	
20 <sup>th</sup> June,2024 (Thur)	9-12.30 pm	One- way and 2 way switching system	LBB 211	CSE G7	Mr. Chimoi
	2-5pm			CSE G8	
	Whole Day	Report Writing about Industrial Visit		1A-1S	Mr. Kitiyo
21 <sup>st</sup> June,2024 (Fri)	9-12.30 pm	One- way and 2 way switching system	LBB 211	CSE G9	Mr. Mbogo
	2-5pm			CSE G10	
	9.30 - 12.30p.m	Presentation of Report		1A-1S	Mr. Kitiyo

	2.00 - 5.00 p.m	End of Workshop Practice 1: Closing Ceremony		1A-1S	C.o.D
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# CHANGE OVER

## ELECTRICAL INSTALLATIONS

Week 7 (24 <sup>th</sup> -27 <sup>th</sup> June, 2024)					
DATE	TIME	EXERCISE	VENUE	GROUP	ASSIGNED STAFF
24 <sup>th</sup> June, 2024 (Mon)	9.30-5p.m	General Introduction to Electrical Installation -Lighting Circuits; -Power Circuits; -Testing and Protection; -Motor starters; -CCTV; -Solar Power	LBB 211	2A-2G	Mr. Mbogo
25 <sup>th</sup> June, 2024 (Tue)	9.30-12.30p.m 2-5pm	Assignment on Symbols of all items mentioned in General Introduction to Electrical Installations Presentation of symbols and assessment	LBB 211	2A-2G	Mr. Mbogo
26 <sup>th</sup> June, 2024 (Wed)	9.30-5p.m	Surface Wiring, i. One- way switching system ii. Two way switching lighting system	LBB 211	2A-2G	Mr. Chimoi
27 <sup>th</sup> June, 2024 (Thur)	9.30-5p.m	Intermediate switching lighting system(Simple) Intermediate switching lighting system (Complex)	LBB 211	2A-2G	Mr. Anami/ Ochieng
28 <sup>th</sup> June, 2024 (Fri)	9.30-5p.m	Conduit Wiring i. one-way switch lighting system ii. Two Way Switch Lighting system	LBB 211	2A-2G	Mr. Anami
WEEK 8 (1 <sup>st</sup> -5 <sup>th</sup> July, 2024 )					
1 <sup>st</sup> July,2024 (Mon)	9.30-5p.m	iii. Intermediate switching wiring system (Conduit)	LBB 211	2A-2G	Mr. Chimoi
2 <sup>nd</sup> July,2024 (Tue)	9.30-12.30p.m	Fluorescent Tube connections Bell Switch Installations	LBB 109	2A-2G	Mr. Mbogo
	2-5pm	Cooker Unit Installations			
3 <sup>rd</sup> July,2024 (Wed)	9.30-5p.m	DOL Starter	LBB B04	2A-2G	Mr. Chimoi
		Forward /Reverse			
4 <sup>th</sup> July,2024 (Thur)	9.30-5pm	Star Delta Starter	LBB B04	2A-2G	Ms. Anami/ Fabian
5 <sup>th</sup> July,2024 (Fri)	9.30-5p.m	Single Phase Motor <ul style="list-style-type: none"><li>Capacitor Start-600uF/ 800uF/1000uF</li><li>Capacitor run</li></ul>	LBB B04	2A-2G	Mr, Mbogo
WEEK 9 (8th -12th July, 2024)					
Category A and Category B					
8th July,2024 (Mon)	9.30-5p.m	Power Circuit Connections 13A Socket Outlets Connections <ul style="list-style-type: none"><li>a) Radial</li><li>b) Ring</li><li>c) Ring with Spur</li></ul>	LBB 211	2A-2G	Mr. Chimoi
9th July,2024 (Tue)	9.30-5p.m	Power Circuit Connections 13A Socket Outlets Connections <ul style="list-style-type: none"><li>a) Radial</li><li>b) Ring</li><li>c) Ring with Spur</li></ul>	LBB 211	2H-2N	Ms. Anami
10th July,2024 (Wed)	9.30-5p.m	Water Heater Connections- (Electrical/Solar)	LBB 211	2A-2G	Mr. Chimoi
11 <sup>th</sup> July,2024 (Thur)	9.30-5p.m	Water Heater Connections- (Electrical/Solar)	LBB 211	2H-2N	Mr. Chimoi

12th July,2024 (Fri)	8.00-5.00 p.m	Testing and Protection i. MCCBs Tests ii. Earth Resistance Tests iii. Insulation Resistance Test iv. Continuity Test v. Polarity Test vi. Residual Current Device Test vii. Impedance Test	LBB 211	2A-2G	Mr. Mbogo
<b>WEEK 10 (15th -19th July, 2024)</b>					
15th July,2024 (Mon)	9.30-5p.m	Testing and Protection i. MCCBs Tests ii. Earth Resistance Tests iii. Insulation Resistance Test iv. Continuity Test v. Polarity Test vi. Residual Current Device Test vii. Impedance Test	LBB 211	2H-2N	Mr. Mbogo
16th July,2024 (Tue)		CCTV Installation i. Identification of different types of cameras ii. work with coaxial cable iii. set up IP and Network, iv. set up relevant -video recording software and device.	LBB 109	2A-2G	Mr. Liheeli
17th July,2024 (Wed)		CCTV Installation i. Identification of different types of cameras ii. work with coaxial cable iii. set up IP and Network, iv. set up relevant -video recording software and device.	LBB 109	2H-2N	Mr.Vitalis
18th July,2024 (Thur)	9.30-5p.m	Arduino Programming Basics	LBB 109	2A-2G	Mr. Brian/ Fabian
19th July,2024 (Fri)	9.30-5p.m	Arduino Programming Basics	LBB 109	2H-2N	Mr. Brian/ Fabian
<b>WEEK 11 (22<sup>nd</sup> -26<sup>th</sup> July, 2024)</b>					
22 <sup>nd</sup> July,2024 (Mon)	9.30-5p.m	Solar Power Installations 1. Introduction to Renewable Energy · 2. Inverters · 3. Batteries · 4. Solar Panels · 5. Charge Controllers 6. Cables · 7. Solar system designs · 8. Installation	LBB B05	2A-2G	Mr. Mbogo/ Mr. Ochieng
23 <sup>rd</sup> July,2024 (Tue)	9.30-5p.m	Solar Power Installations 1. Introduction to Renewable Energy · 2. Inverters · 3. Batteries · 4. Solar Panels · 5. Charge Controllers 6. Cables · 7. Solar system designs · 8. Installation	LBB B05	2H-2N	Mr. Mbogo/ Mr. Ochieng

24 <sup>th</sup> July,2024 (Wed)	9.30-5p.m	Introduction to MATLAB basics	LBB B05 or LBB 114	<b>2A-2G</b>	Mr. Kitiyo/ Fabian
25 <sup>th</sup> July,2024 (Thur)	9.30-5p.m	Introduction to MATLAB basics	LBB B05 or LBB 114	<b>2H-2N</b>	Mr. Kitiyo/ Fabian
26 <sup>th</sup> July,2024 (Fri)		Free day- Finish any pending assignment			
<b>WEEK 12</b> <b>(29<sup>nd</sup> July-3<sup>rd</sup> Aug, 2024)</b>		Industrial Visit	For ONLY Students who have cleared fees before approval of budget		

#### CATEGORY B GROUP

Week 1 ( 14 <sup>th</sup> -17 <sup>th</sup> May, 2024)					
DATE	TIME	EXERCISE	VENUE	GROUP	ASSIGNED STAFF
16 <sup>th</sup> May, 2024 (Thur)	9.30-5p.m	General Introduction to Electrical Installation -Lighting Circuits; -Power Circuits; -Testing and Protection; -Motor starters; -CCTV; - Solar Power	LBB 211	2H-2N	Mr. Mbogo
17 <sup>th</sup> May, 2024 (Fri)	9.30-12.30p.m	Assignment on Symbols of all items mentioned in General Introduction to Electrical Installations	LBB 211	2H-2N	Mr. Mbogo
	2-5pm	Presentation of symbols and assessment			
WEEK 2 20 <sup>th</sup> -24 <sup>th</sup> May, 2024					
20 <sup>th</sup> May, 2024 (Mon)		1 Gang & 2 Gang (A) Surface Wiring, One- way switching system	LBB 211	2H-2N	Ms. Anami
		Two way switching lighting system			
21 <sup>st</sup> May,2024 (Tue)	8.00-5.00 pm	3 Gang & 4 Gang (A) Surface Wiring, One- way switching system	LBB 211	2H-2N	Mr. Chimoi
		Two way switching lighting system			
22 <sup>nd</sup> May,2024 (Wed)	8.00-5. 00p.m	Intermediate switching lighting system (Simple)	LBB 211	2H-2N	Mr. Mbogo/ Ochieng
23 <sup>rd</sup> May,2024 (Thur)	8.00-5.00 p.m	Intermediate switching lighting system (Complex)	LBB 211	2H-2N	Ms. Anami
24 <sup>th</sup> May, 2023(Fri)	8.00-5.00 p.m	(B) Conduit Wiring -One-way switch lighting system	LBB 211	2H-2N	Mr. Chimoi
		-Two Way Switch Lighting system			
WEEK 3 ; 27 <sup>th</sup> - 31 <sup>st</sup> May, 2024					
27 <sup>th</sup> May,2024 (Mon)	8.00-5.00 p.m	Intermediate/ Stair Case wiring system (Conduit)	LBB 211	2H-2N	Ms. Anami
28 <sup>th</sup> May, 2024(Tue)	8.00-5.00 p.m	Residential House Wiring (Ceiling Rose)	LBB 211	2H-2N	Mr. Chimoi
29 <sup>th</sup> May, 2024(Wed)		Fluorescent Tube installations	LBB 211	2H-2N	Mr. Mbogo
30 <sup>th</sup> May, 2024(Thur)		Bell Switch Installations	LBB 211	2H-2N	Ms. Anami
31 <sup>st</sup> May, 2024(Fri)		Cooker Unit Installations	LBB 211	2H-2N	Ms. Anami



<b>WEEK 4 ( 3<sup>rd</sup> -7<sup>th</sup> June, 2024)</b>					
3 <sup>rd</sup> June, 2024, (Mon)	8.00 -5.00p.m	DOL Starter	LBB B04	2H-2N	Mr. Chimoi
4 <sup>th</sup> June, 2024, (Tue)	8.00 -5.00p.m	Forward /Reverse	LBB B04	2H-2N	Mr. Chimoi
5 <sup>th</sup> June, 2024 (Wed)	8.00 -5.00p.m	Star Delta Starter	LBB B04	2H-2N	Mr. Anami/ Fabian
6 <sup>th</sup> June, 2024 (Thur)	8.00 -5p.m	Single Phase Motor a) Capacitor Start-600uF/ 800uF/1000uF	LBB B04	2H-2N	Mr. Mbogo
7 <sup>th</sup> June, 2024 (Frid)	8.00-5p.m	b) Capacitor run	LBB B04	2H-2N	Mr. Mbogo
<b>WEEK 5</b>		CSE	CSE	2H-2N	CSE Trainers
<b>WEEK 6</b>		MIE	MIE	2H-2N	MIE Trainers
<b>Week 7 (24<sup>th</sup> -27<sup>th</sup> June, 2024)</b>					
DATE	TIME	EXERCISE	VENUE	GROUP	ASSIGNED STAFF
24 <sup>th</sup> June, 2024(Mon)	9.30-5pm	Advanced Measuring systems (e.g., CRO, Megger, Function Generator, Spectrum Analyzers, etc)	LBB B05	2H-2N	Mr. Vitalis
25 <sup>h</sup> June, 2024(Tue)	9.30-5pm	Exercises on General Measuring Instruments	LBB B05	2H-2N	Mr. Vitalis
26 <sup>h</sup> June, 2024(Wed)	9.30am-5pm	<b>Prototype Boards</b> Breadboards, Perfboard, Copper clad boards Surface mount boards, Backplanes and motherboards Multilayer PCB, Etched Circuit boards	LBB B05	2H-2N	Mr. Liheeli
27 <sup>th</sup> June, 2024(Thur)	9.30-5pm	Exercises on Prototype Boards.		2H-2N	Mr. Liheeli
28 <sup>th</sup> June, 2024 (Frid)	9.30-5pm	Testing of Semiconductor devices (Short ccts tests, Open cct tests, Hfe and Leakage tests). Carrying out both hot test and cold tests on Diodes, Bipolar Transistors, Silicon Controlled rectifiers SCR, Triacs and Diacs. -Familiarization with semiconductor catalogues (NTE and A to Z). Exercises on Semiconductor devices	LBB B05	2H-2N	Mr. Liheeli
<b>WEEK 8 (1<sup>st</sup> -5<sup>th</sup> July, 2024)</b>					
1 <sup>st</sup> July, 2024 (Mon)	9.30-5p.m	Relays and their application Testing Relays	LBB B05	2H-2N	Ochieng
2 <sup>nd</sup> July, 2024 (Tue)	9.30-5p.m	Transformers (Definition): -Basic concept of a transformer, Types of Transformers (i.e Single Phase and Three Phase). -Types of single-Phase Low Power Transformers (i.e step down, center tapped, non- center tapped TX, Chopper Tx, I.F Tx, and Fly- back transformers Tx. Faults on Transformers i.e Short and open circuit tests, Eddy Current Power losses.	LBB B05	2H-2N	Mr. Vitalis

		-Testing of Single-Phase Transformers both Physical and Ohmmeter tests.			
3 <sup>rd</sup> July,2024 (Wed)	9.30-5p.m	Introduction to Drawing Software- <b>Electronic Workbench/ Proteus/ Edrawmax</b>	LBB B05 or LBB 114	<b>2H-2N</b>	Mr. Kitiyo/Mr. Fabian / Ochieng
4 <sup>th</sup> July,2024 (Thur)	9.30-5pm	Introduction to <b>SCADA</b>	LBB B05 or LBB 114	<b>2H-2N</b>	Mr. Kitiyo/Mr. Fabian
5 <sup>th</sup> July,2024 (Fri)	9.30-5p.m	Finish any pending Issue		<b>2H-2N</b>	

**Note:**

1. *It is mandatory that EACH TRAINEE to be in proper PPE i.e., Safety boots, Dusty Coat (in ECE & CSE) or Overall (in MIE), Helmet (optional), etc.*
2. *Ensure you have a laptop for software skills acquisition.*
3. *Reporting time is: 8.00am, activities start between 8am -9.30am, refer to your schedule.*
4. *Absenteeism is prohibited.*
5. *Ensure you fill in Daily log book of work done and present it for assessment as per demanded by Trainers in charge.*
6. *Final Report and Logbook should be submitted latest Second week of the First Semester of next academic year (2024/2025).*

Prepared by:

Sign: .....Date: .....

**Gideon Kitiyo**

**Ag. Principal Technologist, ECE**

Approved by:

Sign: .....Date: .....

**Dr. James Owuor**

**Chairman, Electrical & Communications Engineering Department**



**First Years Groups**

NO	REGISTRATION NO.	NAMES
<b>GROUP 1A</b>		
1.	ECE/B/01-02057/2023	Jemima Trazy Omondi
2.	ECE/B/01-03330/2023	Abdulkarim Saiti Maryam
3.	ECE/B/01-03331/2023	Alban Wachira Maganjo
4.	ECE/B/01-03332/2023	Manoa Kefa
5.	ECE/B/01-03333/2023	Nashon Seda Ongoro
6.	ECE/B/01-03334/2023	Jessicah Faulata Jemutai
<b>GROUP 1B</b>		
7.	ECE/B/01-03335/2023	Newton Kaguongo Kinuthia
8.	ECE/B/01-03337/2023	David Ndune Kamau
9.	ECE/B/01-03338/2023	Faith Kasyoka Mutambuki
10.	ECE/B/01-03339/2023	Oure Lesley Amwanzo
11.	ECE/B/01-03340/2023	Elvis Manwa Sese
12.	ECE/B/01-03341/2023	Emma Chebet
13.	ECE/B/01-03343/2023	Kipngeno Cheruiyot Fabian
<b>GROUP 1C</b>		
14.	ECE/B/01-03342/2023	Kemboi Peter
15.	ECE/B/01-03344/2023	Kipngetch Bii Nicholas
16.	ECE/B/01-03345/2023	Kosgei Festus Korir
17.	ECE/B/01-03346/2023	John Kipngetch
18.	ECE/B/01-03347/2023	Denis Kipchumba
<b>GROUP 1D</b>		
19.	ECE/B/01-03348/2023	Florine Nyangweso Oirere
20.	ECE/B/01-03349/2023	Kiprono Alvine
21.	ECE/B/01-03350/2023	Myles Sanda Oluoch
22.	ECE/B/01-03351/2023	Kit Otima Roven
23.	ECE/B/01-03354/2023	Kwemai Ndiema Sammy
24.	ECE/B/01-03355/2023	Brenice Shombe Muhando
25.	ECE/B/01-03352/2023	George Murunga Mulama
26.	ECE/B/01-03353/2023	Victor Emmanuel Situma
27.	ECE/B/01-03356/2023	Chivatsi Mbaru Dominic
28.	ECE/B/01-03357/2023	Wambani Kelvin Wanzetse
29.	ECE/B/01-03359/2023	Oyugi Omwenga Angelo
30.	ECE/B/01-03360/2023	Odiwuor Opalla Derric
<b>GROUP 1F</b>		
31.	ECE/B/01-03361/2023	Ombaba Nyaanga Alvin
32.	ECE/B/01-03362/2023	Vincent Omondi
33.	ECE/B/01-03363/2023	John Starford Owino
34.	ECE/B/01-03364/2023	Ojiambo Michael
35.	ECE/B/01-03365/2023	Dickson Akodhe Ouma
36.	ECE/B/01-03366/2023	Kipkemai Koros Victor
<b>GROUP 1G</b>		
37.	ECE/B/01-03367/2023	Nyatichi Clare Mwamba
38.	ECE/B/01-03368/2023	Inrah Mackforen Ombati
39.	ECE/B/01-03369/2023	Caleb Junior Makori
40.	ECE/B/01-03370/2023	Jane Mallon Ondunga
41.	ECE/B/01-03371/2023	Newton Makori Moganda
42.	ECE/B/01-03372/2023	Kizito Eddy

	<b>GROUP H</b>	
43.	ECE/B/01-03373/2023	Charles Otinda Otieno
44.	ECE/B/01-03374/2023	Baraka Alex
45.	ECE/B/01-03375/2023	Elvince Agwanda Odiwuor
46.	ECE/B/01-03844/2022	Brian Ndeda
47.	ECE/B/01-04674/2023	Benpaul Osore Ogutu
48.	ECE/B/01-06747/2023	Shitanda Emmanuel Shalom
	<b>GROUP 1I</b>	
49.	ECE/B/01-06823/2023	Mwirigi Newton
50.	ECE/B/01-06825/2023	Jepngetich Brigid
51.	ECE/B/01-57587/2023	Jelagat Faith
52.	ECE/B/01-57599/2023	Kataka Fredrick
53.	ECE/B/01-57903/2023	Nawade Josephat
54.	ECE/B/01-57954/2023	Andanda Andere William
	<b>GROUP 1J</b>	
55.	ECE/B/01-57978/2023	Omondi Stephen Oguta
56.	ECE/B/01-58312/2023	Ekal Losike
57.	ECE/B/01-58342/2023	Simel Solomon
58.	EDS/B/01-02939/2022	Simon Kiteme Francis
59.	EET/B/01-00286/2023	Nobert Kiprotich
60.	EET/B/01-02263/2023	Nyaoga Menge Newton
	<b>GROUP 1K</b>	
61.	EET/B/01-03591/2023	Collins Mutugi Kivuti
62.	EET/B/01-03618/2023	Stephen Mwawasi Mwadomu
63.	EET/B/01-03619/2023	Damian Mghanga Kidelo
64.	EET/B/01-03620/2023	Alex Ndegwa Muthee
65.	EET/B/01-03622/2023	Kitheka Patrick Muema
66.	EET/B/01-03629/2023	Kipkirui Cheruiyot Nimrod
	<b>GROUP 1L</b>	
67.	EET/B/01-03630/2023	Kiplangat Rotich Brian
68.	EET/B/01-03631/2023	Brenda Chemutai
69.	EET/B/01-03632/2023	Chepkoech Mutai Hycent
70.	EET/B/01-03633/2023	Abraham Kiptoo Kemboi
71.	EET/B/01-03634/2023	Evans Kiprotich
72.	EET/B/01-03635/2023	Chepkirui Mercy
	<b>GROUP 1M</b>	
73.	EET/B/01-03636/2023	Ocharo Clifford Kebaso
74.	EET/B/01-03637/2023	Jelimo Cheruiyot Jessica
75.	EET/B/01-03638/2023	Azel Kipruto
76.	EET/B/01-03639/2023	Jared Kiptoo
77.	EET/B/01-03640/2023	Kipkoech Laban
78.	EET/B/01-03641/2023	Jerotich Chebor Sharon
	<b>GROUP 1N</b>	
79.	EET/B/01-03642/2023	Kiplagat Japheth
80.	EET/B/01-03643/2023	Britney Kageha Balusi
81.	EET/B/01-03644/2023	Nicholous Gesongo
82.	EET/B/01-03645/2023	Itinga Benedict
83.	EET/B/01-03646/2023	Effie Lorine Ochieng
84.	EET/B/01-03647/2023	Maxwell Kiptanui
	<b>GROUP 1O</b>	
85.	EET/B/01-03648/2023	Stenly Oduor Omondi
86.	EET/B/01-03649/2023	Brighton Omondi Adhere

87.	EET/B/01-03650/2023	Adhiambo Adika Alice
88.	EET/B/01-03651/2023	Fredrick Odhiambo Obongita
89.	EET/B/01-03652/2023	Mayieka Jeverson
90.	EET/B/01-03653/2023	Festus Ochege Nyambane
<b>GROUP 1Q</b>		
91.	EET/B/01-06883/2023	Namusia Felix Ochung`
92.	EET/B/01-06987/2023	Masaka Brandan
93.	EET/B/01-07720/2023	Brian Wafula Barasa
94.	TET/D/01-00547/2023	Morgan Wekesa
95.	TET/D/01-06661/2023	Allan Murema Jatia
96.	TET/D/01-06681/2023	Kiplangat Brian
<b>GROUP 1R</b>		
97.	TET/D/01-06686/2023	Collins Okerikejen Murega
98.	TET/D/01-06706/2023	Otieno Dickens
99.	TET/D/01-06707/2023	Brian Ochieng Otieno
100.	TET/D/01-06708/2023	Ogechi Ombaye Cypton
101.	TET/D/01-57428/2023	Wawire Nelson
102.	TET/D/01-57431/2023	Macmillan Kabaji
<b>GROUP 1S</b>		
103.	EET/B/01-03623/2023	faith mukulu Mwendwa
104.	EET/B/01-03624/2023	J. Musyoka Vilita
105.	EET/B/01-03625/2023	Nehema Kaveke Sila
106.	EET/B/01-03627/2023	Cherono Kirui Jeanne
107.	EET/B/01-03628/2023	Joseph Seth Masika

#### Second Years' Groups

NO.	REGISTRATION NO.	NAMES
<b>Group 2A</b>		
1.	ATTACHEE	GRACE AKINYI ADODI
2.	ECE/B/01-02344/2021	EVANS W. NGANGA
3.	ECE/B/01-02599/2022	PENINAH NJOKI WANJIKU
4.	ECE/B/01-02602/2022	VICTOR KARANJA MWANGI
<b>Group 2B</b>		
5.	ECE/B/01-02614/2022	PINON MOZA OCHIENG
6.	ECE/B/01-02932/2022	SHEM NDUNGU NJOROGÉ
7.	ECE/B/01-02933/2022	KELVIN NDUNG` U NJOROGÉ
8.	ECE/B/01-02934/2022	BRIAN MWANGI NJOROGÉ
<b>Group 2C</b>		
9.	ECE/B/01-02935/2022	GIDEON AMWOGA WAKHU
10.	ECE/B/01-02943/2022	KIPRONO JOHNSTONE CALEB
11.	ECE/B/01-02944/2022	KIBET KOECH ELISHA
12.	ECE/B/01-02930/2022	SHEM NDIRITU
<b>Group 2D</b>		
13.	ECE/B/01-02946/2022	KIRUI VICTOR KIPLANGAT
14.	ECE/B/01-02949/2022	VINCENT KIPTOO KEMBOI
15.	ECE/B/01-02950/2022	WANGECHI WINFRED MUIRURI
16.	ECE/B/01-02951/2022	KIPRONO BETT EMMILIO
<b>Group 2E</b>		
17.	ECE/B/01-02952/2022	AKWERA ELKANA NADABA
18.	ECE/B/01-02953/2022	IAN KIPKORIR KIPKEMEI

19.	ECE/B/01-02954/2022	WALUBENGO BENSON SITATI
20.	ECE/B/01-02955/2022	EMMANUEL AJANDO
	<b>Group 2F</b>	
21.	ECE/B/01-02956/2022	EMMANUEL AMUKOWA KHAMALA
22.	ECE/B/01-02958/2022	GERRY ISINGA BULIMU
23.	ECE/B/01-02959/2022	RUTH ALIELA WABWIRE
24.	ECE/B/01-57978/2023	OMONDI STEPHEN OGUTA
	<b>Group 2G</b>	
25.	ECE/B/01-02960/2022	OCHIENG STEPHEN
26.	ECE/B/01-02961/2022	LAURA ANYANGO OUMA
27.	ECE/B/01-02962/2022	DERRICK OMONDI OKOTH
28.	ECE/B/01-02963/2022	JACOB OTIENO OCHIENG
	<b>Group 2H</b>	
29.	ECE/B/01-02967/2022	OMONDI BYRON GILO
30.	ECE/B/01-02968/2022	STEPHEN OCHIENG OTIENO
31.	ECE/B/01-02973/2022	FRANCISCO ODHIAMBO OLUM
32.	ECE/B/01-03007/2022	RABARE RAJIV
	<b>Group 2I</b>	
33.	ECE/B/01-03486/2022	BEJA MWAMBISI JUMA
34.	ECE/B/01-04147/2022	TALIBUNGA OTUNDO MSTAPHER
35.	ECE/B/01-04649/2022	DANIEL JACKSON AMBUNDO
36.	ECE/B/01-04721/2022	CHEPTARUS KIPLAGAT BRIAN
	<b>Group 2J</b>	
37.	ECE/B/01-04922/2022	KOMBO JUMAA PETER
38.	ECE/B/01-04981/2022	OYOO PETER MAXWELL OMONDI
39.	ECE/B/01-04999/2022	SICHETI GLORIA
40.	ECE/B/01-55619/2022	DANIEL SAMMY OCHIENG
	<b>Group 2K</b>	
41.	ECE/B/01-55723/2022	VUDEMBU MILCAH
42.	ECE/B/01-57358/2021	MAKEDI LUCAS
43.	ATTACHEE	EDWIN MAKANDI
44.	ECE/B/01-04963/2022	ELLY MUSUNGU WAFULA
	<b>Group 2L</b>	
45.	ATTACHEE	MILTON MAPESA
46.	ATTACHEE	SILAS PETER
47.	ATTACHEE	SHARON ANDEYO
48.	ECE/B/01-02941/2022	MUTUGI TIMOTHY MURIMI
	<b>Group 2M</b>	
49.	ECE/B/01-58342/2023	SIMEL SOLOMON
50.	ECE/B/01-02604/2022	BRIAN KIPYEGON CHIRCHIR
51.	ECE/B/01-00020/2022	OTIENO ALFRICK
52.	ECE/B/01-02942/2022	IAN BARAKA
	<b>Group 2N</b>	
53.	ECE/B/01-02353/2021	DAVID OCHIENG OOKO
54.	ECE/B/01-02937/2022	KITUSI BRIAN MUTUNE
55.	ECE/B/01-02931/2022	JOHN MUTUA MUGO
56.	ECE/B/01-02938/2022	LINUS MUNYAO