

# LESSON PLAN

<b>Discipline:</b> Electrical Engg.	<b>Semester:</b> Fifth(5 <sup>th</sup> )	<b>Name of the Lab I/C:</b> Er. R Kar & Er. P K Sahoo
<b>Subject:</b> PE & PLC Lab (Pr-2)	<b>No. of days/week class allotted:</b> Three (3)	<b>Semester from Date:</b> 01.08.2023 <b>to Date:</b> 30.11.2023 <b>No. of Weeks:</b> 15
<b>WEEK</b>	<b>CLASS DAY</b>	<b>PRACTICAL EXPERIMENTS</b>
1 <sup>st</sup>	1 <sup>st</sup>	Introduction class
	2 <sup>nd</sup>	Study of V.I characteristics of SCR
	3 <sup>rd</sup>	
2 <sup>nd</sup>	1 <sup>st</sup>	Review class
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	Study of V.I characteristics of TRIAC
3 <sup>rd</sup>	1 <sup>st</sup>	
	2 <sup>nd</sup>	Review class
	3 <sup>rd</sup>	
4 <sup>th</sup>	1 <sup>st</sup>	Study of V.I characteristics of DIAC
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
5 <sup>th</sup>	1 <sup>st</sup>	Review class
	2 <sup>nd</sup>	Study of drive ckt for SCR and TRIAC Using DIAC
	3 <sup>rd</sup>	
6 <sup>th</sup>	1 <sup>st</sup>	Review class
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	Study of drives ckt for SCR and TRIAC Using UJT
7 <sup>th</sup>	1 <sup>st</sup>	
	2 <sup>nd</sup>	Review class
	3 <sup>rd</sup>	
8 <sup>th</sup>	1 <sup>st</sup>	To study phase-controlled bridge rectifier

	2 <sup>nd</sup>	Using resistive load
	3 <sup>rd</sup>	
9 <sup>th</sup>	1 <sup>st</sup>	Review class
	2 <sup>nd</sup>	To study series inverter
	3 <sup>rd</sup>	
10 <sup>th</sup>	1 <sup>st</sup>	Review class
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
11 <sup>th</sup>	1 <sup>st</sup>	To study voltage source inverter
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	Review class
12 <sup>th</sup>	1 <sup>st</sup>	To study 1-phase cyclo-converter
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
13 <sup>th</sup>	1 <sup>st</sup>	Study of switching characteristics of power Transistor
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
14 <sup>th</sup>	1 <sup>st</sup>	Review class
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
15 <sup>th</sup>	1 <sup>st</sup>	Revision
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	Revision