

## LESSON PLAN

<b>Discipline:</b> E&TC Engg.	<b>Semester:</b> Sixth(6 <sup>th</sup> )	<b>Name of the Lab I/C:</b> Er. A.K Patra
<b>Subject:</b> PLC & Automation Lab (Pr 4)	<b>No. of days/week class allotted:</b> Three (3)	<b>Semester from Date:</b> 16.01.24 <b>to Date:</b> 26.04.24 <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 PLC trainer & its installation with PC.
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
2 <sup>nd</sup>	1 <sup>st</sup>	
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
3 <sup>rd</sup>	1 <sup>st</sup>	Write & implement simple ladder logic program using digital input & output for PLC.
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
4 <sup>th</sup>	1 <sup>st</sup>	
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
5 <sup>th</sup>	1 <sup>st</sup>	Write & implement simple ladder logic program using timer with branching.
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
6 <sup>th</sup>	1 <sup>st</sup>	
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
7 <sup>th</sup>	1 <sup>st</sup>	Write & implement simple ladder logic program using counter with branching.
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	

8 <sup>th</sup>	st 1	Review Class
	nd 2	
	rd 3	
9 <sup>th</sup>	st 1	Write program on move, control statement, math function, data manipulation technique on plc.
	nd 2	
	rd 3	
10 <sup>th</sup>	st 1	Review Class
	nd 2	
	rd 3	
11 <sup>th</sup>	st 1	Write and implement a simple ladder logic program for interfacing a lift control with plc.
	nd 2	
	rd 3	
12 <sup>th</sup>	st 1	Review Class
	nd 2	
	rd 3	
13 <sup>th</sup>	st 1	Write and implement a simple ladder logic program for interfacing a conveyor control with plc.
	nd 2	
	rd 3	
14 <sup>th</sup>	st 1	Review Class
	nd 2	
	rd 3	
15 <sup>th</sup>	st 1	Revision
	nd 2	
	rd 3	