



**SSM Institute of Engineering and Technology, Dindigul -02.**

**Department of Electrical and Electronics Engineering**

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**CIRCULAR**

**08.02.2021**

This is to inform that a value added course on **INDUSTRIAL AUTOMATION AND PLC** is going to be conducted for IV-year EEE students Er.K.Illanchezhian, Technical Manager, Shree Technologies Pvt. Ltd. Henceforth interested students are informed to register their name to Mr.V.SivaKumar, AP/EEE on or before 18.02.2021.

  
**Faculty Incharge**

  
**HoD/EEE**



**SSM Institute of Engineering and Technology**  
Sindalagundu post, Palani main road, Dindigul – 624002 , Tamilnadu.

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**IV YEAR NAME LIST (2020-2021)**

S.NO	REGISTER NO	NAME
1	922117105001	AJAY B
2	922117105002	AKSHAYAYOGITHA S
3	922117105004	ANUSHA BHARATHI M
4	922117105005	ANUSHUYA J
5	922117105006	ANUSUYA M
6	922117105007	ASHOK KUMAR M
7	922117105008	BALAJI G
8	922117105009	CHANDRU C
9	922117105010	CYRIL BRITTO P
10	922117105011	DHAARANI V
11	922117105012	DHANABAL M
12	922117105013	DHARSHINI S S
13	922117105014	DINESH R
14	922117105015	DINESHWARAN R
15	922117105016	ELANGO VAN R
16	922117105017	GAYATHRI K
17	922117105018	GAYATHRI S
18	922117105019	GOPINATH M
19	922117105020	GURU PRASATH B
20	922117105021	HEMA PRIYA C
21	922117105022	JANANI ISWARYA K
22	922117105023	JASMINE E
23	922117105024	JEYA KUMAR M
24	922117105025	KAMILA BANU A
25	922117105026	LINGESH B
26	922117105027	MANI BHARATHI S
27	922117105028	MANIKANDAN M
28	922117105029	MANJUBASHINI G
29	922117105030	MATHU MITHA T
30	922117105031	MONIGA M
31	922117105032	MUGESH D
32	922117105033	MUTHU MANI MURUGAN K R
33	922117105034	NITHISH V
34	922117105035	PABITHA T
35	922117105037	POOPATHI P
36	922117105038	PRAJAKTHA K
37	922117105039	PRAKASH RAJ M
38	922117105040	PRAVEEN E
39	922117105041	PRAVEEN P

40	922117105042	PRAVEEN S
41	922117105043	PRAVEEN KUMAR S
42	922117105044	PRIYADHARSINI S
43	922117105046	SAMEEMABANU N
44	922117105047	SANGEERTHANA R
45	922117105048	SATHISHKUMAR G
46	922117105049	SATHISH KUMAR V
47	922117105050	SELVA KUMAR M
48	922117105051	SUDHARSAN M
49	922117105053	THILAK R N
50	922117105054	THIRUMALAISAMY M
51	922117105055	YESHWANTH S A
52	922117105301	KARTHICK P
53	922117105302	MOHAN KUMAR M
54	922117105501	SHARMILADEVI B
55	922117105701	CHANDRU G

V.   
Class Incharge

 HoD/EEE



# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002

Department of Electrical and Electronics Engineering

Value added course on Industrial Automation

## STUDENT FEEDBACK FORM

Year/Sem: IV / III

Date: 20.2.21

Dear Student,

Thank you for your participation Value added course on Industrial Automation and PLC. We would like to hear from you - areas that you find useful and areas that you think we can do better. Your feedback will help us evaluate the effectiveness of this program and allow us to make improvements in future.

S.No	Criteria	Rating				
		Excellent	Very good	Good	Fair	Satisfactory
1	Course content	/				
2	Skill development		/			
3	Motivation					
4	Regularity and punctuality of trainer	/				
5	Coverage of syllabus		/			
6	Interaction	/				
7	Individual attention			/		
8	Outcome	/				

Feel free to give QUALITATIVE comments too

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.....  
.....

Signature of the student with name

ADY B



# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002

Department of Electrical and Electronics Engineering

Value added course on Industrial Automation

## STUDENT FEEDBACK FORM

Year/Sem: IV/V

Date: 20.2.21

Dear Student,

Thank you for your participation **Value added course on Industrial Automation and PLC**. We would like to hear from you - areas that you find useful and areas that you think we can do better. Your feedback will help us evaluate the effectiveness of this program and allow us to make improvements in future.

S.No	Criteria	Rating				
		Excellent	Very good	Good	Fair	Satisfactory
1	Course content	/				
2	Skill development					
3	Motivation	/				
4	Regularity and punctuality of trainer		/			
5	Coverage of syllabus					
6	Interaction	/				
7	Individual attention		/			
8	Outcome					

Feel free to give **QUALITATIVE** comments too

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.....  
.....

Signature of the student with name

BALAJI G



# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002

Department of Electrical and Electronics Engineering

Value added course on Industrial Automation

## STUDENT FEEDBACK FORM

Year/Sem: IV / VII

Date: 20/2/21

Dear Student,

Thank you for your participation Value added course on Industrial Automation and PLC. We would like to hear from you - areas that you find useful and areas that you think we can do better. Your feedback will help us evaluate the effectiveness of this program and allow us to make improvements in future.

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2	Skill development	/				
3	Motivation					
4	Regularity and punctuality of trainer		/			
5	Coverage of syllabus					
6	Interaction	/			/	
7	Individual attention					
8	Outcome	/				

Feel free to give QUALITATIVE comments too

..... Good .....

.....  
Signature of the student with name

DINESH R



# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002

Department of Electrical and Electronics Engineering

Value added course on Industrial Automation

## STUDENT FEEDBACK FORM

Year/Sem: IV / VII

Date: 20/2/21

Dear Student,

Thank you for your participation Value added course on Industrial Automation and PLC. We would like to hear from you - areas that you find useful and areas that you think we can do better. Your feedback will help us evaluate the effectiveness of this program and allow us to make improvements in future.

S.No	Criteria	Rating				
		Excellent	Very good	Good	Fair	Satisfactory
1	Course content	/				
2	Skill development		/			
3	Motivation	✓				
4	Regularity and punctuality of trainer	/				
5	Coverage of syllabus	✓				
6	Interaction	✓				
7	Individual attention		/			
8	Outcome		✓			

Feel free to give QUALITATIVE comments too

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.....Need more practical sessions.....  
.....

Signature of the student with name K Gayathri ANURAG K

## Supervisory Control & Data Acquisition Software (Wonder ware InTouch 10.0)

### Topics Covered

➤ Applications of SCADA software
➤ Different packages available with I/O structure
➤ Features of SCADA software
➤ Creating a new SCADA application
➤ Creating Database of Tags
➤ Creating & Editing graphic display with animation <ul style="list-style-type: none"><li>✓ Data Entry</li><li>✓ Start Stop command</li><li>✓ Analog entry</li><li>✓ Sizing,</li><li>✓ Movement,</li><li>✓ Blinking,</li><li>✓ Visibility, Filling</li></ul>
➤ Trending <ul style="list-style-type: none"><li>✓ Creating &amp; Accessing Real-time</li><li>✓ Creating &amp; Accessing Historical Trends</li></ul>
➤ Creating and Accessing Alarms
➤ Creating and Accessing Events
➤ Writing logic through script
➤ Window script
➤ Application script
➤ Writing script on industrial application
➤ Bottle filling plant
➤ Process automation plant
➤ Connectivity with the different hardware <ul style="list-style-type: none"><li>✓ Communication protocols</li><li>✓ Communication with PLC</li><li>✓ Connectivity between software</li></ul>
➤ Troubleshooting the application <ul style="list-style-type: none"><li>✓ Fault diagnostics and error handling</li><li>✓ Sorting communication problems</li></ul>



## **VFD – Variable Frequency Drives**

### **Variable Speed Drives**

- Introduction to Ac Drives
- Selection Criteria Of Drives
- Configuration Of Parameter
- Remote And Local Operation
- Communication With PLC/SCADA software
- Troubleshooting
- Case Study And Different Applications Of Drives In The Industry