



# **SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY**

Sindalagundu post, Dindigul-624 002, Tamilnadu. Ph: 0451-2448800  
(Approved by AICTE, Affiliated to Anna University, Chennai Accredited by NAAC)

## **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

### **Technology Training Programme on Industrial Automation using PLC/SCADA**



**2022-23 (Even Semester) II Year EEE**

**(20.02.2023 to 24.02.2023**

**&**

**27.02.2023 to 03.03.2023)**

**Trained by**

**Spot Light Technology, Dindigul**

From

Dr. G.Mohan Babu,  
Professor & Head,  
Department of Electronics and Electronics Engineering,  
SSM Institute of Engineering and Technology,  
Dindigul-02

To

The Principal,  
SSM Institute of Engineering and Technology,  
Dindigul-02

Respected Sir,

Sub: Requesting Approval of conducting **Technological Teaching** for II Year EEE Students-Reg

The **Department of EEE** has planned to conduct Technological Teaching for Second Students on "Training on Industrial Automation using PLC/SCADA" which is scheduled to be conducted on the month of February 2023. In this regard, I request your permission to conduct this training on the scheduled month. The quotation details, syllabus and Training Schedule are attached with this letter. Kindly do the needful sir.

Name of the Technological Training	Name of the Company	Total Number of Students	No of Hours	Date	Amount	Coordinator/Faculty in Charges
Training on Industrial Automation using PLC/SCADA	SPOTLIGHT TECHNOLOGY, Dindigul.	51	60	20.02.23 to 24.03.23, 27.02.23 To 03.03.23	76500/- Rs. 1,02,000	Mr.T.Arulkumar, AP / EEE Mr.P.Siva Subramanian, AP/EEE Mr.D.Manoj, AP/EEE

Resource Person Details:

Mr. A. Stephen Gaspar, Managing Director, Spotlight Technology, Dindigul.

Note: Training Cost will be settled to the company two days before the end of training

Thanking you.



Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
Palani Road, Dindigul - 624 002.

Yours faithfully

(Dr.G.Mohan Babu)



**SSM Institute of Engineering and Technology**

sindalagundu post, Dindigul-624 002, Tamilnadu. pH: 0451-2448800  
(Approved by AICTE, Affiliated to Anna University, Chennai Accredited by NAAC)

Department of Electrical and Electronics Engineering

**Organizes**

**Ten days Technology Training On  
" Industrial Automation using  
PLC / SCADA "**

For III year and IV year students of EEE

from (20.02.2023 to 24.02.2023  
&  
27.02.2023 to 03.03.2023)

Trained by

**Spot Light Technology, Dindigul**

**Co-ordinators**

Mr.D.Manoj,AP/EEE  
Mr.P.Siva Subramanian,AP/EEE

**HoD**

Dr.G.Mohanbabu

**Principal**

Dr.D.Senthil kumaran

**ALL ARE INVITED**



**Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)**

Principal

SSM Institute of Engineering and Technology

Kuttathupatti Village, Sindalagundu (Po),

Palani Road, Dindigul - 624 002



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Dindigul-Palani Highway, Dindigul-624002

## CIRCULAR

17/02/2023

This is to inform that ten days training program on **INDUSTRIAL AUTOMATION USING PLC \ SCADA** is going to conduct for II year EEE students from 20.02.2023 to 24.02.2023, 27.02.2023 to 03.03.2023 by Spot light Technology Dindigul. All the students are informed to attend and enrich your knowledge.

Faculty In-charge



HOD/EEE

  
Dr.D.SENTHIL KUMARAN, M.E., Ph.D.  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu  
Palani Road, Dindigul - 624 002





# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Sindalagundu post, Dindigul-624002, Tamilnadu.Ph:0451-2448800

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## TECHNOLOGY TRAINING ON "INDUSTRIAL AUTOMATION USING PLC\SCADA"

### ATTENDANCE SHEET

S. No.	Reg no.	Student Name	20.02.23		21.02.23		22.02.23		23.02.23		24.02.23		27.02.23		28.02.23		01.03.23		02.03.23		03.03.23	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	922121105001	ABIRAMI G	G.A.	G.A.	G.A.	G.A.	G.A.	G.A.	G.A.	G.A.	G.A.	G.A.	G.A.	G.A.	G.A.	G.A.	G.A.	G.A.	G.A.	G.A.	G.A.	G.A.
2	922121105003	AISHWARYA M.P	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.
3	922121105004	ARCHANA DEVI B	B.A.	B.A.	B.A.	B.A.	B.A.	B.A.	B.A.	B.A.	B.A.	B.A.	B.A.	B.A.	B.A.	B.A.	B.A.	B.A.	B.A.	B.A.	B.A.	B.A.
4	922121105005	ARUN KUMAR S	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.
5	922121105006	BALAMURUGAN M	M.B.	M.B.	M.B.	M.B.	M.B.	M.B.	M.B.	M.B.	M.B.	M.B.	M.B.	M.B.	M.B.	M.B.	M.B.	M.B.	M.B.	M.B.	M.B.	M.B.
6	922121105007	BALA SUBRAMANYAN R	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.
7	922121105008	BHUVANESWARI G	G.B.	G.B.	G.B.	G.B.	G.B.	G.B.	G.B.	G.B.	G.B.	G.B.	G.B.	G.B.	G.B.	G.B.	G.B.	G.B.	G.B.	G.B.	G.B.	G.B.
8	922121105009	CATHRIN NISHA M	M.C.	M.C.	M.C.	M.C.	M.C.	M.C.	M.C.	M.C.	M.C.	M.C.	M.C.	M.C.	M.C.	M.C.	M.C.	M.C.	M.C.	M.C.	M.C.	M.C.
9	922121105010	CELIN JAYAMARY A	A.C.	A.C.	A.C.	A.C.	A.C.	A.C.	A.C.	A.C.	A.C.	A.C.	A.C.	A.C.	A.C.	A.C.	A.C.	A.C.	A.C.	A.C.	A.C.	A.C.
10	922121105011	DEENA DHAYALAN P A	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.
11	922121105013	DIVYA J	D.V.	D.V.	D.V.	D.V.	D.V.	D.V.	D.V.	D.V.	D.V.	D.V.	D.V.	D.V.	D.V.	D.V.	D.V.	D.V.	D.V.	D.V.	D.V.	D.V.
12	922121105014	DOMINIC SCAPLARRAJ A	A.D.	A.D.	A.D.	A.D.	A.D.	A.D.	A.D.	A.D.	A.D.	A.D.	A.D.	A.D.	A.D.	A.D.	A.D.	A.D.	A.D.	A.D.	A.D.	A.D.
13	922121105015	EZHUMALAI NAGA VISHNU S	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.
14	922121105016	GOPI J	J.G.	J.G.	J.G.	J.G.	J.G.	J.G.	J.G.	J.G.	J.G.	J.G.	J.G.	J.G.	J.G.	J.G.	J.G.	J.G.	J.G.	J.G.	J.G.	J.G.
15	922121105017	HARIHARAN T	T.H.	T.H.	T.H.	T.H.	T.H.	T.H.	T.H.	T.H.	T.H.	T.H.	T.H.	T.H.	T.H.	T.H.	T.H.	T.H.	T.H.	T.H.	T.H.	T.H.
16	922121105018	JAYASRI S	S.J.	S.J.	S.J.	S.J.	S.J.	S.J.	S.J.	S.J.	S.J.	S.J.	S.J.	S.J.	S.J.	S.J.	S.J.	S.J.	S.J.	S.J.	S.J.	S.J.
17	922121105020	KALEESWARAN M	M.K.	M.K.	M.K.	M.K.	M.K.	M.K.	M.K.	M.K.	M.K.	M.K.	M.K.	M.K.	M.K.	M.K.	M.K.	M.K.	M.K.	M.K.	M.K.	M.K.
18	9221211050021	KAMALEE A	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.
19	922121105022	KAMILA SAI K	K.S.	K.S.	K.S.	K.S.	K.S.	K.S.	K.S.	K.S.	K.S.	K.S.	K.S.	K.S.	K.S.	K.S.	K.S.	K.S.	K.S.	K.S.	K.S.	K.S.
20	922121105023	KANYA K	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.
21	922121105024	KARTHICK RAJ D	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.
22	922121105025	KAVIYA LAKSHMI S	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.
23	922121105026	KISHORE N	N.K.	N.K.	N.K.	N.K.	N.K.	N.K.	N.K.	N.K.	N.K.	N.K.	N.K.	N.K.	N.K.	N.K.	N.K.	N.K.	N.K.	N.K.	N.K.	N.K.



*Handwritten signature*

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (MOS)

Principal

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Palani Road, Dindigul - 624002





HoM/EEF

Parani Road, Dindigul 624 002

Principles

**FACULTYNAME: STEPHEN GASPAR A**

**COURSE: PLC & SCADA**

SYLLABUS	
<ul style="list-style-type: none"> <li>➤ Introduction</li> <li>➤ Industrial Automation</li> </ul>	
<ul style="list-style-type: none"> <li>➤ PLC</li> <li>➤ About PLC &amp; Brands</li> </ul>	
<ul style="list-style-type: none"> <li>➤ programming methods in PLC</li> <li>➤ Ladder Logic Diagram</li> <li>➤ Functional Block Diagram</li> <li>➤ Structured Text</li> <li>➤ Flow Chart</li> </ul>	
<ul style="list-style-type: none"> <li>➤ Programming exercise</li> </ul>	
<ul style="list-style-type: none"> <li>➤ Introduction to cx-programmersoftware</li> <li>➤ Tools in software</li> </ul>	
<ul style="list-style-type: none"> <li>➤ Implementing programs in software</li> <li>➤ Simulation</li> <li>➤ Practical session</li> </ul>	
<ul style="list-style-type: none"> <li>➤ PLC                             <ul style="list-style-type: none"> <li>○ Generate PLC Layout Modules</li> <li>○ PLC parametric selection</li> <li>○ Module layout</li> <li>○ Insert PLC modules</li> <li>○ Edit PLC module</li> </ul> </li> </ul>	
PLC Database File	
<ul style="list-style-type: none"> <li>➤ SCADA Introduction                             <ul style="list-style-type: none"> <li>○ Designing the layout</li> </ul> </li> </ul>	
<ul style="list-style-type: none"> <li>➤ Library</li> <li>➤ Alarm</li> <li>➤ Trends</li> <li>➤ Recipe</li> <li>➤ ODBC</li> <li>➤ OLE</li> </ul>	
<ul style="list-style-type: none"> <li>➤ Project                             <ul style="list-style-type: none"> <li>Kit training</li> <li>PLC with SCADA linking</li> </ul> </li> </ul>	



*[Signature]*  
**Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)**  
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# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC & NBA)

Dindigul – Palani Highway, Dindigul 624 002

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### Value added Course Summary (2022-2023)

**Course Name** : Industrial Automation using PLC /SCADA

**Course Duration** : 60 Hours

**Year offered** : II year students -2022-2023

**Course Instructors** : Mr. D. Manoj  
Assistant professor /EEE

**Course Outcome:** The students gained knowledge about PLC/SCADA.  
They did simulation and layout modules. They did project using this software.

**Course Type** : Self Framed / Collaboration with Industry

### Assessment Mode

**Attendance** : 60 Hours

**Number of participants** : 51

**Scheme of Exam** : MCQ offline



A handwritten signature in black ink, appearing to be 'D. Manoj'.

**Course Coordinator**

A handwritten signature in green ink, appearing to be 'Dr. D. Senthil Kumaran'.

**Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (MUS)**  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalaganur  
Palani Road, Dindigul 624 002

A handwritten signature in black ink, appearing to be 'HoD'.

**HoD**





# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Sindalagundu post, Dindigul-624 002, Tamilnadu. Ph: 0451-2448800  
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## Summary Report

The department of Electrical and Electronics Engineering, SSM Institute of Engineering and Technology conducted **Technology training on Industrial Automation using PLC/SCADA** from 20th February 2023 to 24th February 2023 and 27th February 2023 to 3<sup>rd</sup> March. The course covered topics including Industrial Automation consists of an array of elements, which are well synchronized with each other. It performs functions such as controlling, sensing, supervision and monitoring of industrial processes. Functionally, industrial automation includes field-level (Sensors & Actuators), Control level, Supervisory, production control level (SCADA) and Information & enterprise level (MES & ERP). Students have attended assessment tests at the end of the course and certificates were issued. The students from second year EEE attended the course and got benefitted.



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**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY, DINDIGUL - 624 002**

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC)

Dindigul – Palani Highway, Dindigul 624 002

**Department of Electrical and Electronics Engineering**

**TECHNOLOGY TRAINING PROGRAMME ON INDUSTRIAL  
AUTOMATION USING PLC/SCADA**

**PLC/SCADA MULTIPLE CHOICE QUESTION**

**Name of the student:**

**Year/sem :**

**Date:**


1. The acronym PLC stands for
  - a) Pressure Load Control
  - b) Programmable Logic Controller
  - c) Pneumatic Logic Capstan
  - d) PID Loop Controller
2. In PLC programming, a retentive function is one that
  - a) Defaults to the "on" state
  - b) Is not reset after a power cycle
  - c) Defaults to the "off" state
  - d) Cannot be edited or deleted
3. A good application for a timed interrupt in a PLC program would be
  - a) A communications function block
  - b) A PID function block
  - c) A math function block
  - d) A motor start/stop rung
4. In a PLC, the scan time refers to the amount of time in which
  - a) the technician enters the program
  - b) timers and counters are indexed by
  - c) one "rung" of ladder logic takes to complete
  - d) the entire program takes to execute
5. The difference between online and offline PLC programming is
  - a) whether the PLC is running or stopped
  - b) whether the programming PC has internet connectivity
  - c) the type of programming cable used
  - d) where the edited program resides
6. Ladder logic programming consists primarily of
  - a) Virtual relay contacts and coils
  - b) Logic gate symbols with connecting lines
  - c) Function blocks with connecting lines
  - d) Text-based code
7. An OR function implemented in ladder logic uses
  - a) Normally-closed contacts in series
  - b) Normally-open contacts in series
  - c) A single normally-closed contact
  - d) Normally-open contacts in parallel



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8. What is the largest integer number that a PLC counter function can reach if it uses a 16 bit register?
  - a) 32,768
  - b) 65,535
  - c) 65,536
  - d) 65,537
9. The part that monitors the inputs and makes decisions in a PLC is the CPU.
  - a) True
  - b) False
10. In a PLC "I" is used for output and "Q" is used for input
  - a) True
  - b) False
11. To increase the number of inputs and outputs of the PLC, one can use expansion modules.
  - a) True
  - b) False
12. An example of discrete (digital) control is
  - a) Varying the volume of a music system
  - b) Turning a lamp ON or OFF
  - c) Varying the brightness of a lamp
  - d) Controlling the speed of a fan
13. The \_\_\_\_\_ is moved toward the relay electromagnet when the relay is on.
  - a) Armature
  - b) Coil
  - c) NO contact
  - d) NC contact
14. Which of the following RLL applications is not normally performed in early automation systems?
  - a) On/off control of field devices
  - b) Logical control of discrete devices
  - c) On/off control of motor starters
  - d) Proportional control of field devices
15. When a relay is NOT energized
  - a) There is an electrical path through the NO contacts
  - b) There is an electrical path through the NC contacts
  - c) Neither the NO or the NC contacts have an electrical path
  - d) Both the NO and the NC contacts have an electrical path
16. How many levels does complex SCADA system have?
  - a) One
  - b) Three
  - c) Four
  - d) Two
17. The functions of the SCADA systems performed by using \_\_\_\_\_
  - a) Remote telemetry units
  - b) SCADA master units
  - c) Sensors, communication network
  - d) All of the above
18. Where SCADA can be used?
  - a) Mass transit
  - b) Traffic signals
  - c) Manufacturing
  - d) All of above



  
**Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)**  
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19. The SCADA system performs \_\_\_\_\_
- a) Data acquisition
  - b) Data presentation
  - c) Networked data communication
  - d) All of the above
20. \_\_\_\_\_ is not a component of SCADA system
- a) Database server
  - b) Sparger controller
  - c) Output system
  - d) None of the above
21. What is the standard form of RAID?
- a) Redundant Array of Independent Disks
  - b) Reverse Array of Independent Disks
  - c) Random Array of Independent Disks
  - d) Reduced Array of Independent Disks
22. The standard form of MMI is \_\_\_\_\_
- a) Master Machine Interface
  - b) Main Machine Interface
  - c) Man Machine Interface
  - d) None of the above
23. The RAID level 50 is a combination of \_\_\_\_\_
- a) RAID 5 and RAID 0
  - b) RAID 3 and RAID 0
  - c) RAID 1 and RAID 0
  - d) None of the above
24. What are the types of SCADA systems?
- a) Monolithic, Networked
  - b) Monolithic, Distributed, Networked
  - c) Monolithic, Distributed
  - d) All of above
25. The Redundant Array of Independent Disk is used for \_\_\_\_\_
- a) Improvement of reliability
  - b) Improvement of performance
  - c) All of above
  - d) None of above



  
Dr.D.SENTHIL KUMARAN, M.E., Ph.D. (CS)  
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# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Sindalagundu post, Dindigul-624002, Tamilnadu.Ph:0451-2448800

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## TECHNOLOGY TRAINING ON "INDUSTRIAL AUTOMATION USING PLC\SCADA"

### MARK SHEET

S. No.	Reg.no.	Student Name	MARK
1	922121105001	ABIRAM G	14
2	922121105003	AISHWARYA M.P	19
3	922121105004	ARCHANA DEVI B	13
4	922121105005	ARUN KUMAR S	11
5	922121105006	BALAMURUGAN M	12
6	922121105007	BALA SUBRAMANIYAN R	13
7	922121105008	BHUVANESWARJ G	15
8	922121105009	CATHRIN NISHA M	13
9	922121105010	CELIN JAYAMARY A	08
10	922112105011	DEENA DHAYALAN P A	10
11	922121105013	DIVYA J	12
12	922121105014	DOMINIC SCAPLARAJ A	13
13	922121105015	EZHUMALAI NAGA VISHNU S	12
14	922121105016	GOPI J	15
15	922121105017	HARIHARAN T	18
16	922121105018	JAYASRI S	13
17	922121105020	KALEESWARAN M	14
18	9221211050021	KAMALEE A	13
19	922121105022	KAMILA SAI K	18
20	922121105023	KANYA K	17
21	922121105024	KARTHICK RAJ D	10
22	922121105025	KAVIYA LAKSHMI S	08
24	922121105027	LOKENDRA SOWMIYAN S	12
25	922121105028	MANIKANDAN S	18
26	922121105029	MANIVASAGAN B	13
27	922121105030	MANI VEL G	08
28	922121105031	MANOJKUMAR A	15
29	922121105032	MINIPRIYA K	16
30	922121105033	MOHAMMED SIDDIQ A	12
31	922121105034	NARMATHA DEVI P	11
32	922121105035	PONRAJ R	10
33	922121105036	PRADISH V S	13

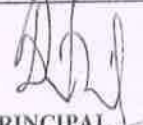
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34	922121105037	PRIYA DHARSHINI J	04
35	922121105038	RAGAVI R	12
36	922121105039	RAJESHWARI J	13
37	922121105041	REETHANA M	10
38	922121105042	SANJAY G	08
39	922121105043	SANTHIYA M	11
40	922121105044	SANTHOSH C	09
41	922121105045	SARAN RAHUL G	22
42	922121105046	SELVAKUMAR C	15
43	922121105047	SHARMILA M	16
44	922121105048	SRI SAKTHI J T	11
45	922121105049	SRI SUPRAJA S	13
46	922121105050	VAISHALI M	11
47	922121105051	VANAJA G	18
48	922121105052	VEERACHAMY S	12
49	922121105301	SALAMON VINCENT RAJ R	16
50	922121105302	YUDISH M	11
51	922121105303	YUVARAJ T	10

  
Faculty Incharge

  
HOD/EEE

  
PRINCIPAL



  
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**Department of Electrical and Electronics Engineering**

**TECHNOLOGY TRAINING PROGRAMME ON INDUSTRIAL  
AUTOMATION USING PLC/SCADA**

**PLC/SCADA MULTIPLE CHOICE QUESTION**

Name of the student: Daya J

Year/sem : II - 3

Date: 03-3-2023

1. The acronym PLC stands for
  - a) Pressure Load Control
  - ☒ b) Programmable Logic Controller
  - c) Pneumatic Logic Capstan
  - d) PID Loop Controller
2. In PLC programming, a retentive function is one that
  - a) Defaults to the "on" state
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  - a) Virtual relay contacts and coils
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  - a) Normally-closed contacts in series
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  - c) A single normally-closed contact
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- a) 32,768
- ☒ b) 65,535
- c) 65,536
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9. The part that monitors the inputs and makes decisions in a PLC is the CPU.

- ☒ a) True
- b) False

10. In a PLC "I" is used for output and "Q" is used for input

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- a) Varying the volume of a music system
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13. The \_\_\_\_\_ is moved toward the relay electromagnet when the relay is on.

- a) Armature
- b) Coil
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14. Which of the following RLL applications is not normally performed in early automation systems?

- a) On/off control of field devices
- ☒ b) Logical control of discrete devices
- c) On/off control of motor starters
- d) Proportional control of field devices

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16. How many levels does complex SCADA system have?

- ☒ a) One
- b) Three
- c) Four
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17. The functions of the SCADA systems performed by using \_\_\_\_\_

- a) Remote telemetry units
- b) SCADA master units
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18. Where SCADA can be used?

- ☒ a) Mass transit
- b) Traffic signals
- c) Manufacturing
- d) All of the above



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- ☐ a) Database server
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21. What is the standard form of RAID?

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- ☐ a) Improvement of reliability
- ☒ b) Improvement of performance
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**Department of Electrical and Electronics Engineering**

**TECHNOLOGY TRAINING PROGRAMME ON INDUSTRIAL  
AUTOMATION USING PLC/SCADA**

**PLC/SCADA MULTIPLE CHOICE QUESTION**

Name of the student: Lokendra Sawmijan

Year/sem: II

Date: 03-03-2023

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- ☒ c) Manufacturing
- ☒ d) All of the above



  
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*Dr.D.*

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**Department of Electrical and Electronics Engineering**

**TECHNOLOGY TRAINING PROGRAMME ON INDUSTRIAL  
AUTOMATION USING PLC/SCADA**

**PLC/SCADA MULTIPLE CHOICE QUESTION**

Name of the student: Alshwarya M.P

Year/sem : II

Date: 03-03-2023

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- True
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**Department of Electrical and Electronics Engineering**

**TECHNOLOGY TRAINING PROGRAMME ON INDUSTRIAL  
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Year/sem : II

Date: 03-03-23

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*(Signature)*

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Palani Road, Dindigul - 624 002.





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Department of Electrical and Electronics Engineering

STUDENT FEEDBACK FORM

Name of the Student: VANAJA . G

Year/Sem: II / IV

Date: 03.03.23

Dear Student,

You are required to give your feedback on the following aspects. Please tick in the respective column.

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		✓			
9	Other suggestions			✓		



Faculty in charge

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)

Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundi  
Palani Road, Dindigul - 624 002

HoDEEE



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Department of Electrical and Electronics Engineering

STUDENT FEEDBACK FORM

Name of the Student: Domnic Scaplan Raj . A

Year/Scm: 2023 / IV

Date: 3.3.23

Dear Student,

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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		✓			
9	Other suggestions		.	✓		



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Department of Electrical and Electronics Engineering

STUDENT FEEDBACK FORM

Name of the Student: Arun Kumar

Year/Sem: II / IV


Date: 03/03/23

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		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		✓			
9	Other suggestions	✓				



  
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Department of Electrical and Electronics Engineering

STUDENT FEEDBACK FORM

Name of the Student: Kathleen Nisha

Year/Sem: II / IV

Date: 03/03/23

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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		✓			
9	Other suggestions	-		-		



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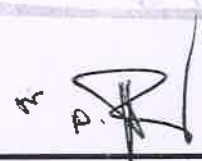
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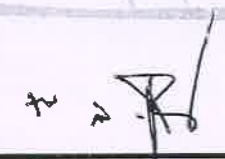
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