



PSN COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

Melathediyoor, Tirunelveli

(Approved by AICTE and Recognized by UGC Section 2 (f) and 12 (B))

An ISO 9001:2015 Certified Institution

(Accredited by NAAC with A+, Affiliated to Anna University Chennai)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

21.03.2024

Submitted to Principal for kind approval

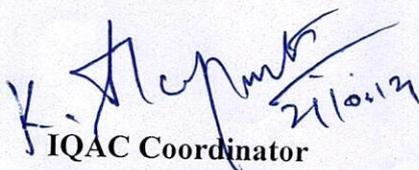
Respected sir,

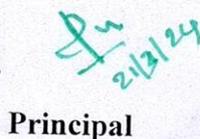
The Department of Electronics and Communication Engineering is organizing the Value added course during the academic year 2023-24(EVEN) for II ECE Students

We submit this for your kind approval

Sl. no	Name of VAC Courses	Course Coordinator	Resource person	Duration(5 days) 25-03-2024 28-03-2024 & 30-03-2024	Total hours
1	VECE 25 – PLC based automation in Electronic Component Production	Mr.S.Suresh Kannan AP/ECE PSNCET	Dr. S J Ben Christopher AP/EEE PSNCET	9.00 am -1.00 pm 2.00 pm- 4.00 pm	30


HOD/ECE
21/3/24


IQAC Coordinator
21/03/24


Principal
21/3/24


Executive Director
21/3/24



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PSNCET/ECE/F.No 47/Cir.No.12/2024-24

23.03.2024

CIRCULAR

The Department of ECE is organizing the following Value Added Course from 26.03.2024 to 28.03.2024 & 01.04.2024 to 02.04.2024. All the Second year ECE department students are informed to register their names to respective Course Coordinator on or before 21.03.2024. Two credits will be awarded to the participants who have successfully completed the Value Added Course.

S.No	Name of VAC Programme	Course Coordinator	Resource Person	Duration (26.03.2024 to 28.03.2024 & 01.04.2024 to 02.04.2024)	Total Hours
1	VECE-25 PLC based automation in Electronics Components Production	Mr.S.SureshKannan AP/ECE	Dr.S.J.Ben Christopher AP/EEE	10.00 am – 1.00 pm 2.00 pm – 4.00 pm	30

Copy to:

1. The Principal, PSNCET
2. To Heads (Circuit Branches), PSNCET
3. Dept. Notice Board


HOD/ECE
23/3/24


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PSN COLLEGE OF ENGINEERING & TECHNOLOGY
MELATHEDIYOOR, PALAYANKOTTAI TALUK
TIRUNELVELI DIST. - 627 152.

PSN College of Engineering and
Technology
(Autonomous)

Five days value added course on
**VECE 25-PLC based automation in
Electronics Components Production**
26-03-2024 to 28-03-2024 &
01.04.2024 to 02.04.2024

(FIVE DAYS)

Registration Form

Name :
Year :
Department :
Institution :
Address for
Communication :
Mobile Number :
Email ID :
Amount :

Date: Signature of the Participant

Signature of Head of the
Dept. /Institute with Seal

ORGANIZING COMMITTEE

CHIEF PATRON

Dr. P. Suyambu
Chairman
PSN Group of Institutions

Er. P.S. Jayaram
PSN Group of Institutions

PATRON

Dr.P. Selvakumar
Executive Director - PSNCET

Dr.V.Manikandan
Principal - PSNCET

CONVENOR

Dr.T.Rajesh,
Head of Department & Professor,
Department of ECE
PSN College of Engineering and Technology
(Autonomous)
Tirunelveli

COORDINATOR

Mr.S.Sureshkannan,
Assistant Professor
Department of ECE
PSN College of Engineering and Technology
(Autonomous)
Tirunelveli

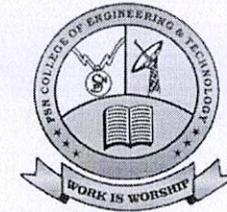
Department of Electronics & Communication
Engineering

Five days value added course on
**VECE 25-PLC based automation in
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26-03-2024 to 28-03-2024

&

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(FIVE DAYS)



Department of Electronics & Communication
Engineering
PSN College of Engineering and Technology
(Autonomous)
Tirunelveli - 627 152

ABOUT THE INSTITUTION

An abode of excellence, a pinnacle of glory, a name that deserves mention whenever there initiates a discussion about the world of engineering, PSN College of Engineering & Technology. An autonomous institution. The institution was founded in 2001 with the sole purpose of providing cutting edge technical education that is both accessible and affordable. From the year 2001, the college embarked on programs of expansion in terms of courses and intake, infrastructure and facilities. Presently the college offers 10 U.G courses. The college also offers 10 P.G courses in engineering including MCA and MBA. More than 70 research scholars are in various disciplines. About 15 KMs away from Tirunelveli towards the well-known Papanasam, the college is situated in Melathediyoor. The institution is spread over an area of about 200 Acres, and maintains a royal existence with its marvellous infrastructure and widely acclaimed for its meticulous planning, resource scheduling and institutional management.

ABOUT THE DEPARTMENT

The department of Electronics and Communication Engineering offer,

- B.E - ECE
- M.E- Applied Electronics,
- M.E -Communication System and
- M.E -Avionics,

It has been recognized as Research Centre by Anna University, Chennai. It has well trained and experienced faculty members with high degree qualification, who are engaged with the cutting-edge researches such as embedded devices and Embedded System, etc. It has well equipped curriculum related laboratories.

VECE 25 – PLC based automation in Electronics Components Production

A Programmable logic controller (PLC) is an industrial computer used to perform control functions in manufacturing units. This miniature computer contains hardware and software, which enables automated control of electromechanical processes. The PLC continuously monitors and receives information from input devices or sensors, processes the information, and triggers the connected output devices, to complete the task in the industrial process or machinery

TOPICS

- ✓ Introduction to PLC Programming
- ✓ Advantages and Disadvantages of PLC
- ✓ Architecture and Components of PLC
- ✓ Types and Programming Languages of PLC
- ✓ Boolean logics, K map and Ladder Logic Programming of PLC

Resource Person

Dr.S.J.Ben Christopher, Ph.D.
Assistant Professor,
Department of Electrical & Electronics
Engineering
PSN College of Engineering and Technology,
(Autonomous)
Melathediyoor
Tirunelveli – 627 152

REGISTRATION DETAILS

Registration for the value-added course can be made by sending duly filled application form along with a DD drawn in favour of "PSN Engineering College" payable at Tirunelveli. Total number of participants is limited to 50. Selection will be done on first come first served basis. Confirmation of participation is to be made after the selection intimation from the organizers.

Course Fee:

- Academicians : Rs. 300/-
- Research Scholars : Rs. 300/-
- UG/PG Students : Rs. 250/-

Contact:

Mr.S.Sureshkannan,
Assistant Professor,
Department of Electronics & Communication
Engineering
PSN College of Engineering and Technology,
(Autonomous)
Melathediyoor
Tirunelveli – 627 152
Mobile: 9600329224
E-Mail: ssureshkannan@psncet.ac.in

Last date for registration : 20.03.2024



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2024-2025

VALUE ADDED COURSES –COURSE CONTENT

Introduction to PLC Programming

30 Hours

Module 1:

(i) Basic of PLC Programming

(ii) Hands-on session

Why Do We Need PLC?

Module 2:

(i) Needs, Advantages and Disadvantages of PLC

(ii) Hands-on session

Architecture and Components of PLC

Module 3:

(i) Architecture and Components of PLC

(ii) Hands-on session

Types and Programming Languages of PLC

Module 4:

(i) Types and programming languages of PLC

(ii) Hands-on session

Module 5:

Boolean logics, K map and Ladder Logic Programming of PLC

i) Ladder logic Programming in PLC

ii) Test and Feedback

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2024-2025

VALUE ADDED COURSES on VECE 25

PLC based automation in Electronics Components Production

COURSE PLAN

Course	Value Added Course
Topic	VAC on PLC based automation in Electronics Components Production
Dates & Duration	26.03.2024 to 28.03.2024 & 01.04.2024 to 02.04.2024 [30 Hrs.]

S. No	Topic to be covered	Hours Needed	Mode of Teaching
Introduction to PLC Programming			
1	Introduction to PLC	3	PPT
2	Hands-on session	3	PPT
Advantages and Disadvantages of PLC			
3	Advantages and Disadvantages of PLC	3	PPT
4	Hands-on session	3	PPT
Architecture and Components of PLC			
5	Architecture and Components of PLC	3	PPT
6	Hands-on session	3	PPT
Types and Programming Languages of PLC			
7	Types and programming languages of PLC	3	PPT
8	Hands-on session	3	PPT
Boolean logics, K map and Ladder Logic Programming of PLC			
9	Boolean logics, K map and Ladder Logic Programming of PLC	2	PPT
10	Hands-on session	3	PPT
11	Assessment Test and Feedback	1	PPT


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Report of Value-Added Course Conducted

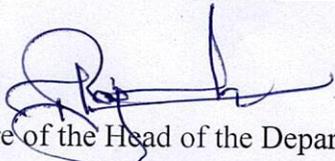
Title of the Course	VECE 25- PLC based automation in Electronics Components Production
Dates & Duration	26.03.2024 to 28.03.2024 & 01.04.2024 to 02.04.2024
Name(s) of the Resource Persons	Dr.S.J.Ben Christopher AP/EEE, PSNCET, Tirunelveli
Name of the Course Coordinator	Mr.S.Suresh kannan,AP/ECE, PSNCET, Tirunelveli
No. of Participants	47
Course Outcomes	
After the successful completion of this value-added course, the students were able <ul style="list-style-type: none">• Basics of PLC Programming• Applications of PLC	
Remarks of the Course Coordinator about the Course	
The course was well attained by students. The value-added course on PLC based automation in Electronics Components Production very useful to the students. The student's feedback is excellent about this programme. Organizing this programme for every year will be useful to students.	

Date: 17.04.2024

PO Mapping:

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
✓	✓			✓	✓							✓	✓


Signature of the Course Coordinator


Signature of the Head of the Department

Principal

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE on VECE 25

PLC based automation in Electronics Components Production

ATTENDANCE SHEET

DATE: 26.03.2024 to 28.03.2024 & 01.04.2024 to 02.04.2024

S. No	Reg. No.	Name of the Student	26.03.2024		27.03.2024		28.03.2024		01.04.2024		02.04.2024	
			FN	AN								
1	95222205001	Abhilas P	P. Abh	P. Abh								
2	95222205002	Abinaya V	V. Abin	V. Abin								
3	95222205003	Absal Khan S	S. Absal	S. Absal								
4	95222205004	Aiswarya B	B. Aisw	B. Aisw								
5	95222205005	Ajisdeen P	P. Ajis	P. Ajis								
6	95222205006	AkashRuban S	S. Akash	S. Akash								
7	95222205008	Ariharan S	S. Arih	S. Arih								
8	95222205009	Aron Dass V	V. Aron	V. Aron								
9	95222205010	Arun Kumar K	K. Arun	K. Arun								
10	95222205013	Balamurugan R	R. Balam	R. Balam								
11	95222205014	Biruntha M	M. Biru	M. Biru								
12	95222205016	Esaki Raj E	E. Esaki	E. Esaki								
13	95222205017	Esakki Raja R	R. Esaki	R. Esaki								
14	95222205018	Essakiammal K	K. Essa	K. Essa								
15	95222205019	ImmanuelGiffy A	A. Imma	A. Imma								
16	95222205020	Inith Kumar R	R. Inith	R. Inith								
17	95222205021	Jaheer Hussain H	H. Jahe	H. Jahe								
18	95222205022	JeffsenAsir A	A. Jeff	A. Jeff								
19	95222205023	Jenita A	A. Jeni	A. Jeni								
20	95222205024	Jeswin J	J. Jesw	J. Jesw								
21	95222205026	Kamalesh M	M. Kama	M. Kama								
22	95222205027	Kanniga M	M. Kanni	M. Kanni								
23	95222205028	Karan G	G. Kara	G. Kara								
24	95222205031	MariyaPraveena A	A. Mari	A. Mari								
25	95222205035	Muthu L	L. Muth	L. Muth								
26	95222205036	MuthuSelvam R	R. Muth	R. Muth								
27	95222205037	Muthumari M	M. Muth	M. Muth								
28	95222205038	Muthuraj M	M. Muth	M. Muth								
29	95222205039	Pavithra D	D. Pavi	D. Pavi								
30	95222205040	Pavithra S	S. Pavi	S. Pavi								
31	95222205041	Ponrahul Praveen P	P. Ponra	P. Ponra								
32	95222205044	Ramy C	C. Ramy	C. Ramy								

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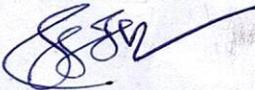
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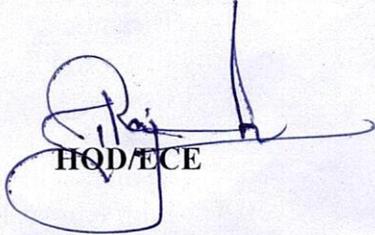
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33	95222205047	Sivachandiran K	fiva									
34	95222205048	Sri Mathi L	Simathi									
35	95222205052	Sudalaimani K	S	S	S	S	S	S	S	S	S	S
36	95222205053	Sudharsan G	Sn									
37	95222205054	Suriya Prakash S	Sp									
38	95222205055	Surya K	S	S	S	S	S	S	S	S	S	S
39	95222205056	Uma Sri K	K. Umra									
40	95222205057	UthaSteephen G	U	U	U	U	U	U	U	U	U	U
41	95222205058	Vallinayaki S	S.Vay									
42	95222205059	Vijay Singh M	V.S									
43	95222205060	Vijayakumar N S	Vc									
44	95222205061	Vishal P	P. Vishal									
45	95222205301	SanthanaBharathi A	A	A	A	A	A	A	A	A	A	A
46	95222205302	SubiahManju Raj S	Sn									
47	95222205303	Venkatesh V	V	V	V	V	V	V	V	V	V	V


VAC Coordinator


HOD/ECE



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSES on VECE-25 PLC based automation in
Electronics Components Production
Resource Person Profile



Dr.S.J.BenChristopher,Ph.D.,
AssistantProfessor,
DepartmentofElectricalandElectronicsEngineering,
PSNCET,Melathediyoar

Dr. S. J. Ben Christopher is a dedicated professional with a strong background in designing and lecturing. With experience in project management, he excels in motivating scholars and ensuring project success from start to finish. He holds a PhD in Electrical Engineering from Anna University, Chennai, focusing on Optimal Energy Management in Microgrids with Demand Response using the Modified Glowworm Swarm Algorithm. He completed Master of Engineering in Energy Engineering and Bachelor's degree in Electrical and Electronics Engineering, both with distinction.

His professional experience includes roles in a start-up institution, DF Technologies, Nagercoil, where he contributed in planning, supervision, and training. He also has research experience from St. Xavier's Catholic College of Engineering, Nagercoil, and has served as an Assistant Professor in several institutions. One of his accomplishments is achieving the second rank in postgraduate examinations at the university level. He has contributed to various journals by publishing research papers. He is proficient in PLC Design, Renewable energy, and Optimization techniques, with additional qualifications in STCW.


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ASSESSMENT TEST

VALUE ADDED COURSE on VECE 25

PLC based automation in Electronics Components Production

Multiple Choice Questions (Marks 25)

1. **What is the primary function of a PLC in industrial automation?**
 - A) Monitoring temperature
 - B) Controlling inputs and outputs
 - C) Analyzing market trends
 - D) Managing human resources
2. **Why are PLCs preferred in complex manufacturing and industrial applications?**
 - A) They are cheaper than other controlling systems.
 - B) They work well with other controlling systems.
 - C) They require less programming.
 - D) They are easier to install.
3. **What advantage do PLCs offer in terms of time management?**
 - A) They reduce the need for human decision-making.
 - B) They require less wiring.
 - C) They have faster processors.
 - D) They are easier to program.
4. **In which industries do PLCs find their un-replacable space?**
 - A) Healthcare
 - B) Software
 - C) Oil & Gas
 - D) Retail
5. **What is a limitation of PLCs in terms of environment?**
 - A) They are affected by high temperatures and vibrations.
 - B) They require constant maintenance.
 - C) They cannot operate in dusty conditions.
 - D) They are not suitable for outdoor use.
6. **What is a disadvantage of PLCs in terms of software and parts?**
 - A) They are expensive.
 - B) They are difficult to find.
 - C) They are not interchangeable between manufacturers.
 - D) They require frequent updates.
7. **Who is considered the father of PLC?**
 - A) Bill Gates
 - B) Steve Jobs
 - C) Dick Morley
 - D) Tim Berners-Lee
8. **What components make up a typical PLC?**
 - A) CPU, RAM, monitor
 - B) CPU, power supply, keyboard
 - C) CPU, mounting rack, power supply, ROM, RAM, I/O modules, programming device

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- D) CPU,mouse,powersupply
- 9. What is the function of the CPU in a PLC?**
- It converts AC to DC.
 - It controls all PLC operations according to the programming instructions stored in memory.
 - It provides power to the PLC components.
 - It communicates with external devices.
- 10. How is programming done in small PLCs?**
- Using a graphical user interface
 - By writing logic instruction lists or relay ladder diagrams
 - By using voice commands
 - By connecting to a network
- 11. What is the purpose of the bus bar in a PLC panel?**
- To provide power distribution to various components of the PLC unit
 - To connect the PLC to external devices
 - To store program instructions
 - To control the operation of the PLC
- 12. What is the result of the AND operation on two inputs, A and B, where A = 1 and B = 0?**
- 0
 - 1
 - A
 - B
- 13. Which Boolean operation yields a result of 1 if either input is 1?**
- AND
 - OR
 - NOT
 - XOR
- 14. Which Boolean law states that $A+0=A$?**
- Idempotent Law
 - Identity Law
 - Zero Law
 - Absorption Law
- 15. Which Boolean law states that $A+A'B=A+B$?**
- Idempotent Law
 - Complement Law
 - Absorption Law
 - Distributive Law
- 16. Consider the Boolean function $F(A,B)=A'B'+A'B+AB'$. What is the simplified expression for F?**
- $A+B$
 - AB
 - $A'+B'$
 - $A'B'$
- 17. What is ladder programming?**
- A type of programming language used in computers
 - A programming language used specifically in PLCs
 - A method of climbing ladders safely
 - A type of mathematical equation
- 18. In ladder logic, what does a "rung" represent?**
- A step in a ladder
 - A logical operation or condition
 - A physical ladder
- 19. Which of the following is true about ladder logic programming?**
- It is used only in industrial automation
 - It is a high-level programming language
 - It is used for writing complex algorithms
 - It is easy to understand and implement
- 20. Draw the ladder diagram for NOT gate. (1 Mark)**
- 21. Draw the ladder diagram for a condition in which the lamp glows when switch S1 and switch S2 or S3 and Switch S4 or S5 is ON. (2 Marks)**
- 22. Draw a ladder logic programming enabling the indicator to be OFF after a 5 sec delay when pressing the switch. (3 Marks)**



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ASSESSMENT TEST

VALUE ADDED COURSE on VECE 25

PLC based automation in Electronics Components Production

Multiple Choice Questions (Marks 25)

K. Sudalaimani

95222205052

II - ECE

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- D) Managing human resources

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- B) CPU, power supply, keyboard
- C) CPU, mounting rack, power supply, ROM, RAM, I/O modules, programming device
- D) CPU, mouse, power supply

9. What is the function of the CPU in a PLC?

- A) It converts AC to DC.
- B) It controls all PLC operations according to the programming instructions stored in memory.
- C) It provides power to the PLC components.
- D) It communicates with external devices.

10. How is programming done in small PLCs?

- A) Using a graphical user interface
- B) By writing logic instruction lists or relay ladder diagrams
- C) By using voice commands
- D) By connecting to a network

11. What is the purpose of the busbar in a PLC panel?

- A) To provide power distribution to various components of the PLC unit
- B) To connect the PLC to external devices
- C) To store program instructions
- D) To control the operation of the PLC

12. What is the result of the AND operation on two inputs, A and B, where $A = 1$ and $B = 0$?

- A) 0
- B) 1
- C) A
- D) B

13. Which Boolean operation yields a result of 1 if either input is 1?

- A) AND
- B) OR
- C) NOT
- D) XOR

14. Which Boolean law states that $A + 0 = A$?

- A) Idempotent Law
- B) Identity Law
- C) Zero Law
- D) Absorption Law

15. Which Boolean law states that $A + A'B = A + B$?

- A) Idempotent Law
- B) Complement Law
- C) Absorption Law
- D) Distributive Law

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16. Consider the Boolean function $F(A,B) = A'B' + A'B + AB'$. What is the simplified expression for F?

- A) $A+B$
- B) AB
- C) $A'+B'$
- D) $A'B'$

17. What is ladder programming?

- A) A type of programming language used in computers
- B) A programming language used specifically in PLCs
- C) A method of climbing ladders safely
- D) A type of mathematical equation

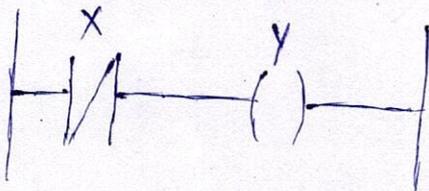
18. In ladder logic, what does a "rung" represent?

- A) A step in a ladder
- B) A logical operation or condition
- C) A physical ladder
- D) A programming error

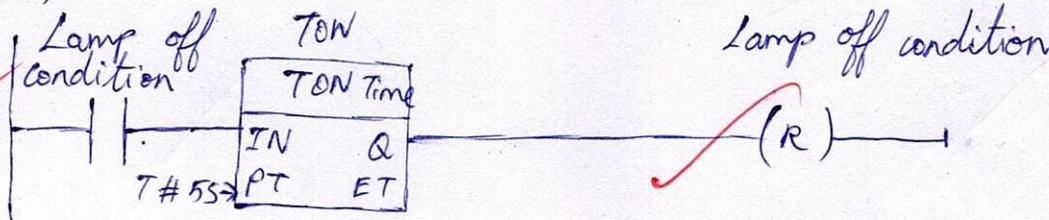
19. Which of the following is true about ladder logic programming?

- A) It is used only in industrial automation
- B) It is a high-level programming language
- C) It is used for writing complex algorithms
- D) It is easy to understand and implement

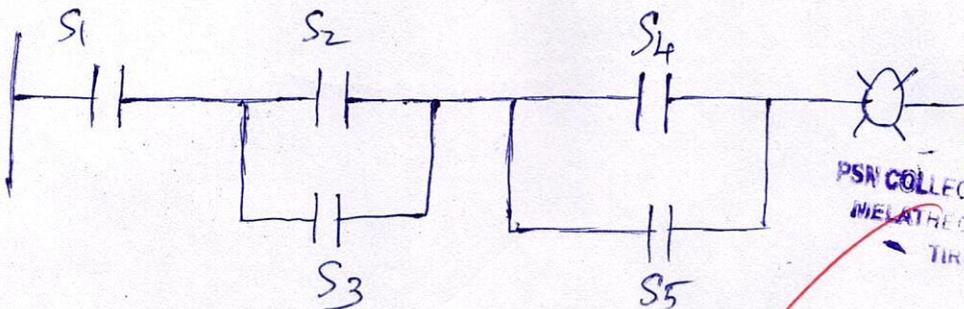
20. Draw the ladder diagram for NOT gate. (1 Mark)



21. Draw the ladder diagram for a condition in which the lamp glows when switch S1 and switch S2 or S3 and Switch S4 or S5 is ON. (2 Marks)



22. Draw a ladder logic programming enabling the indicator to be OFF after a 5 sec delay when pressing the switch. (3 Marks)



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VALUE ADDED COURSES on VECE 25

PLC based automation in Electronics Components Production

MARK STATEMENT

DATE: 26.03.2024 to 28.03.2024 & 01.04.2024 to 02.04.2024

S. No	Reg. No.	Name of the Student	Mark (25)
1	95222205001	Abhilas P	24
2	95222205002	Abinaya V	25
3	95222205003	Absal Khan S	23
4	95222205004	Aiswarya B	25
5	95222205005	Ajisdeen P	21
6	95222205006	AkashRuban S	20
7	95222205008	Ariharan S	22
8	95222205009	Aron Dass V	23
9	95222205010	Arun Kumar K	21
10	95222205013	Balamurugan R	20
11	95222205014	Biruntha M	22
12	95222205016	Esaki Raj E	23
13	95222205017	Esakki Raja R	22
14	95222205018	Essakiammal K	24
15	95222205019	ImmauelGiffy A	23
16	95222205020	Inith Kumar R	22
17	95222205021	Jaheer Hussain H	20
18	95222205022	JeffsenAsir A	21
19	95222205023	Jenita A	22
20	95222205024	Jeswin J	24
21	95222205026	Kamalesh M	20

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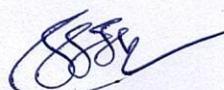
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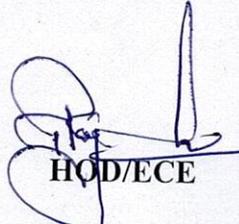
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22	95222205027	Kanniga M	25
23	95222205028	Karan G	24
24	95222205031	MariyaPraveena A	22
25	95222205035	Muthu L	22
26	95222205036	MuthuSelvam R	20
27	95222205037	Muthumari M	23
28	95222205038	Muthuraj M	20
29	95222205039	Pavithra D	21
30	95222205040	Pavithra S	22
31	95222205041	Ponraahul Praveen P	20
32	95222205044	Ramya C	22
33	95222205047	Sivachandiran K	21
34	95222205048	Sri Mathi L	20
35	95222205052	Sudalaimani K	24
36	95222205053	Sudharsan G	22
37	95222205054	Suriya Prakash S	20
38	95222205055	Surya K	24
39	95222205056	Uma Sri K	23
40	95222205057	UthaStephen G	20
41	95222205058	Vallinayaki S	22
42	95222205059	Vijay Singh M	19
43	95222205060	Vijayakumar N S	22
44	95222205061	Vishal P	24
45	95222205301	SanthanaBharathi A	20
46	95222205302	SubiahManju Raj S	21
47	95222205303	Venkatesh V	20


VAC Coordinator


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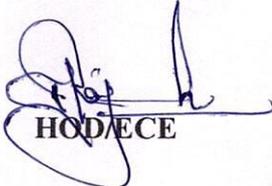
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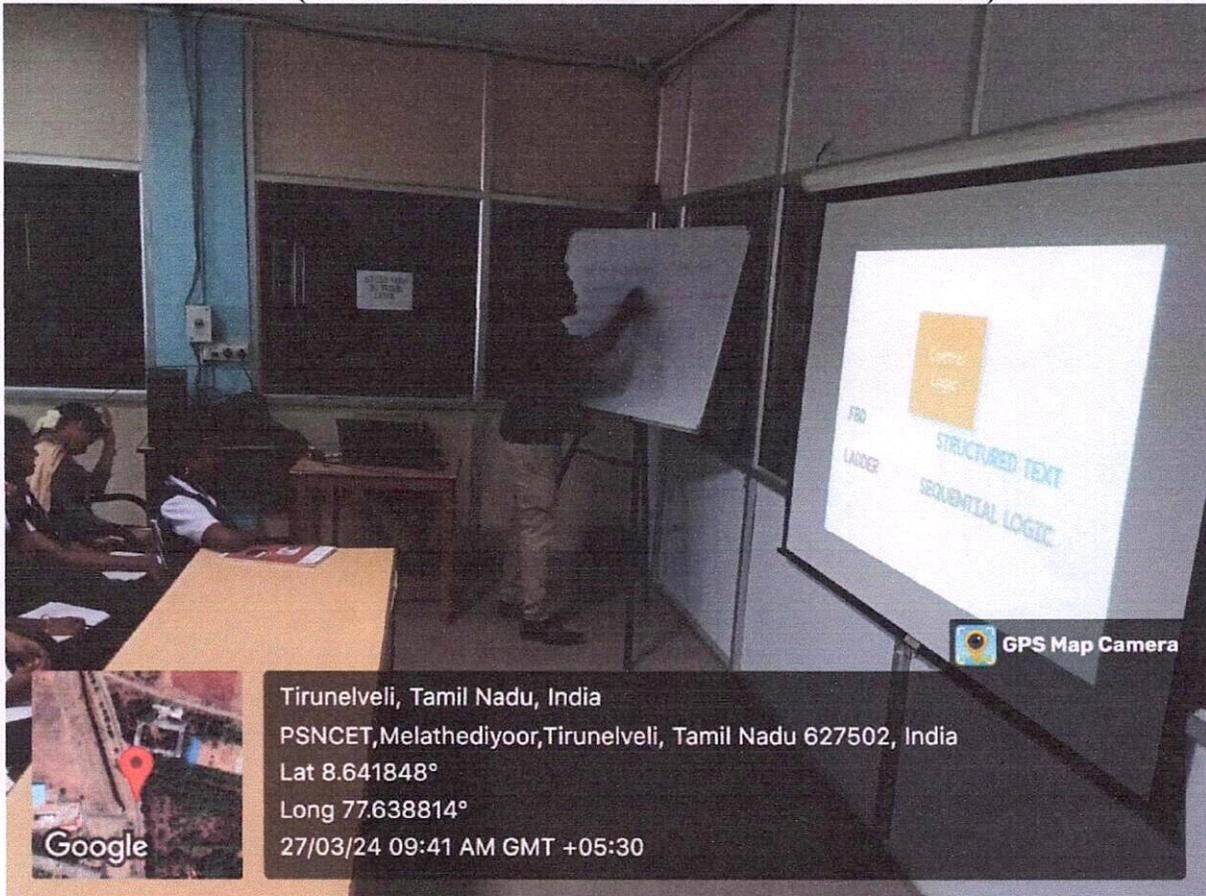
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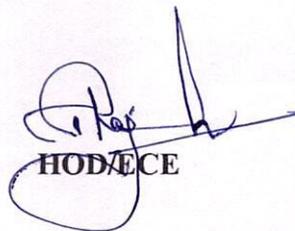
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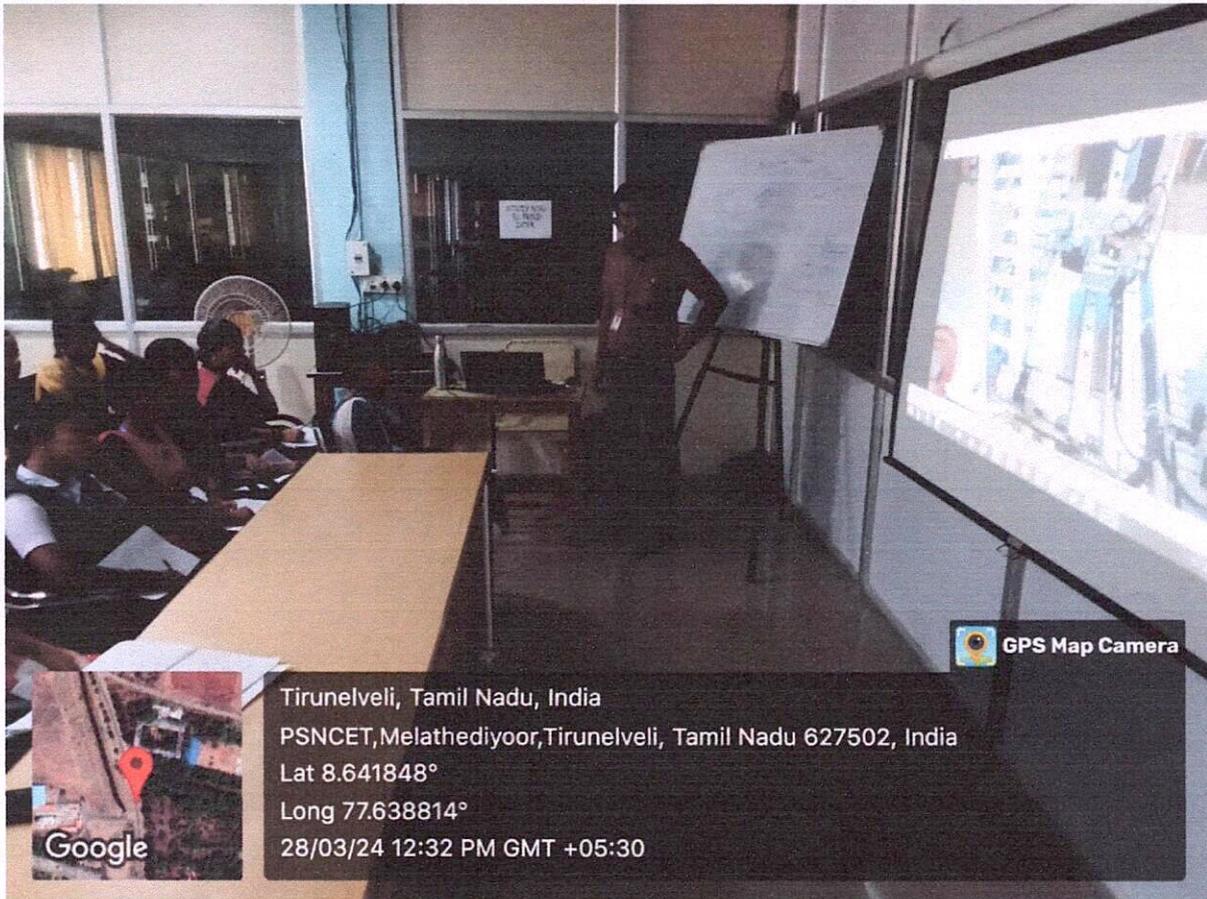
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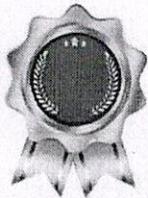
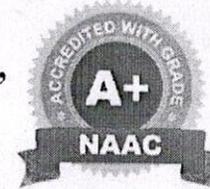

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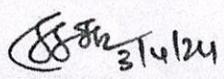
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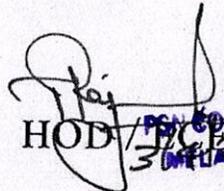


CERTIFICATE OF PARTICIPATION

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

This is to certify that Mr/Ms/Mrs AISWARVA B U - ECE
has successfully completed Five days value added course on " VECE 25 - PLC based automation in Electronic
Component Production " Organized by Department of Electronics and Communication Engineering , PSN
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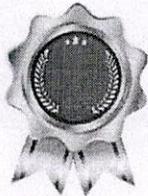
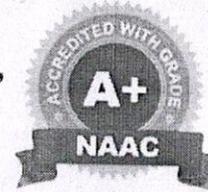
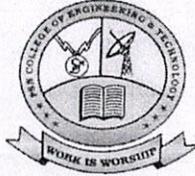

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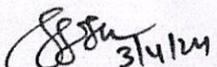
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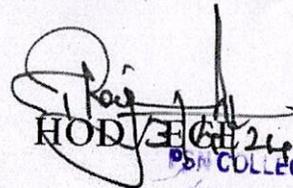


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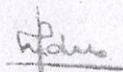
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This is to certify that Mr/Ms/Mrs SUDALAIMANI.K ii - ECE
has successfully completed Five days value added course on " VECE 25 - PLC based automation in Electronic
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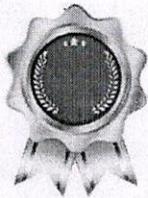
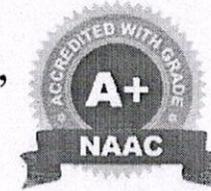

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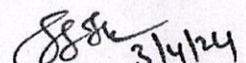
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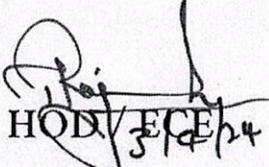


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This is to certify that Mr/Ms/Mrs KANNIGA. M. U - ECE
has successfully completed Five days value added course on " VECE 25 - PLC based automation in Electronic Component Production " Organized by Department of Electronics and Communication Engineering , PSN College of Engineering and Technology (Autonomous) , Tirunelveli , from 26-03-2024 to 28-03-2024 and 01-04-2024 to 02-04-2024.


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FEEDBACK FORM FOR ACADEMIC EVENTS

Type of Event: Conference / Seminar / Symposium / Guest Lecture / FDP / Others..... *VAC*.....

Date & Venue of Event: *26.3.24 to 28.3.24 and 01.4.24 to 02.4.24 @*

Organized by: *ECE department*..... *Research Lab*

Please indicate the extent to which you agree with the following statements regarding the event:

S. No	Statements	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Information provided at this event is relevant and useful		✓			
2	You are likely to use this information in the future	✓				
3	Resources provided at this event are relevant and useful		✓			
4	Presentations were interesting			✓		
5	You would recommend this event to others	✓				
6	Overall, the event was worthwhile			✓		
7	The venue was suitable		✓			
8	Refreshments were suitable	✓				

What are the two most useful things you got out of the event?

very useful in industrial field and helps in getting job makes easier.

How could the event be improved?

Please provide more time for further learning.

Other comments

Nil

Name of the Participant with address: *P. Vishal*.....

Srivilliputhur, virudunagar.

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FEEDBACK FORM FOR ACADEMIC EVENTS

Type of Event: Conference / Seminar / Symposium / Guest Lecture / FDP / Others..... VAC

Date & Venue of Event: 26.03.2024, 28.03.24 and 01.04.2024, 02.04.2024 &

Organized by: ECE Department Research Lab.

Please indicate the extent to which you agree with the following statements regarding the event:

S. No	Statements	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Information provided at this event is relevant and useful	✓				
2	You are likely to use this information in the future	✓				
3	Resources provided at this event are relevant and useful		✓			
4	Presentations were interesting		✓			
5	You would recommend this event to others		✓			
6	Overall, the event was worthwhile	✓				
7	The venue was suitable			✓		
8	Refreshments were suitable			✓		

What are the two most useful things you got out of the event?

We are learned new things.

How could the event be improved?

This session is useful for my future presentation

Please improved the time for further learning.

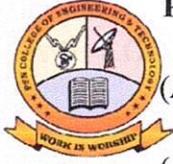
Other comments

Nil

Name of the Participant with address: Kanniga. M.

Melagaxam, Penkasi - 627811

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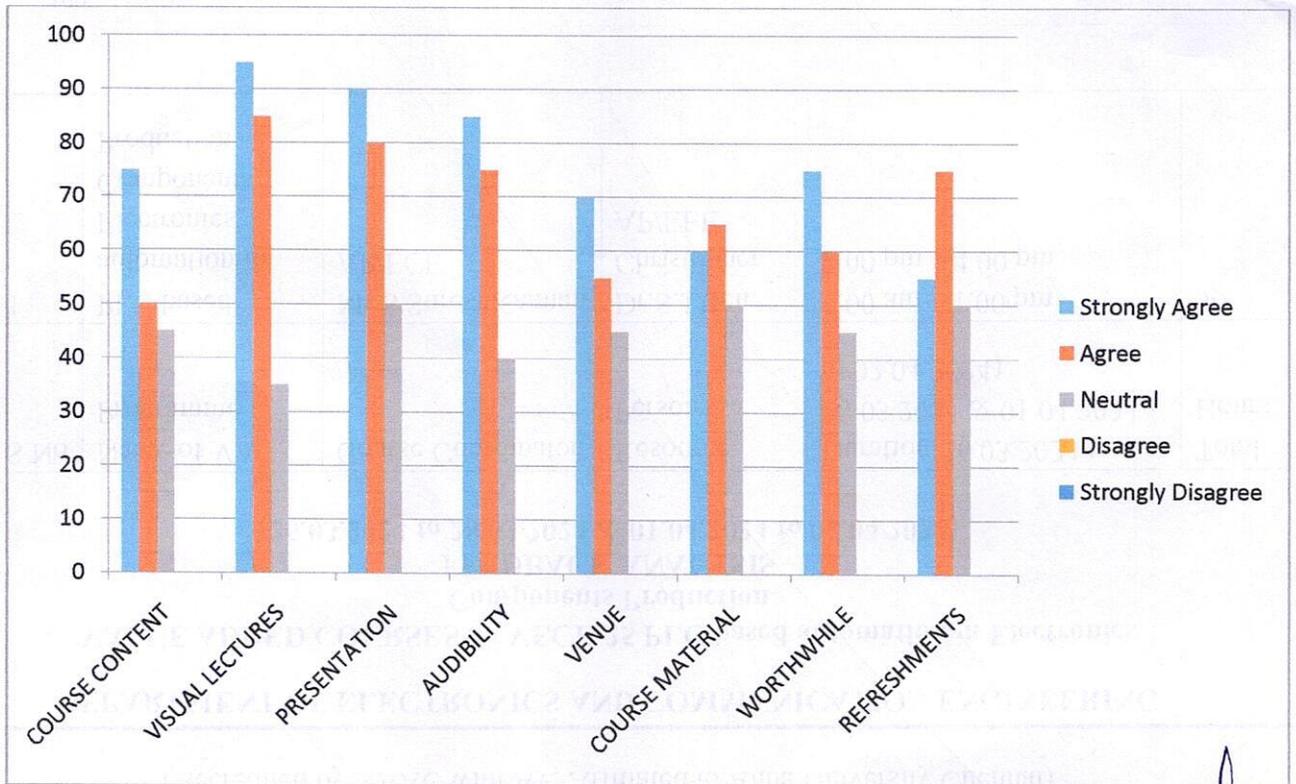
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**VALUE ADDED COURSES on VECE-25 PLC based automation in Electronics
Components Production
FEEDBACK ANALYSIS**

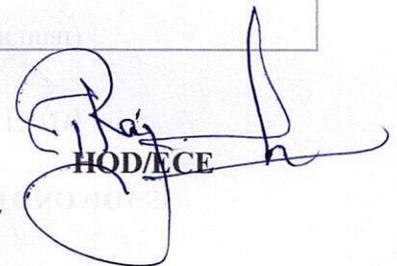
(26.03.2024 to 28.03.2024 & 01.04.2024 to 02.04.2024)

S.No	Name of VAC Programme	Course Coordinator	Resource Person	Duration(26.03.2024 to 28.03.2024 & 01.04.2024 to 02.04.2024)	Total Hours
1	PLC based automation in Electronics Components Production	Mr.S.SureshKannan AP/ECE	Dr.S.J.Ben Christopher AP/EEE	9.00 am – 1.00 pm 2.00 pm – 4.00 pm	30




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