Department of Electrical and Instrumentation Engineering
Sant Longowal Institute of Engineering & Technology
(Deemed to be University under MoE, Govt. of India)
Longowal, Distt. Sangrur-148106 Punjab, India

Patron
Prof. Shailendra Jain
(Director, SLIET)

Co-Patron
Prof. Surita Maini
(HOD, EIE Department, SLIET)

Lab Co-ordinator

Dr. A. S. Arora
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Ref. No.: SLIET/EIE/171-75   **CIRCULAR**   Date: 27-4-2023

Training on "PLC in Industrial Automation"

The department of Electrical & Instrumentation Engineering (EIE), SLIET is going to offer a four weeks training, on

"PLC (Programmable Logic Controller) in Industrial Automation"
(5th June to 30th June, 2023)

The applications are invited from the students of GIN/GEE/GCS/GME/GWT/GEC-20 branches. Only 20 seats are available in this training (Out of total 20 seats, 10 seats are reserved for GEE-21 and GIN-21 students). The selection of the candidates will be based on the merit.

The students are required to submit the application through online link given as below.

https://forms.gle/bqQ95USugLFkGwze6

Last Date for Registration: 05th May 2023
Notification of selection: 10th May 2023

Prof. Surita Maini
(HOD, Department of EIE)

Prof. A. S. Arora
(Lab Co-ordinator)

Copy to:
1. Director- for kind information please
2. Dean- Academic (for kind information please)
3. HOD-T & P
4. HOD-EIE
5. HOD-ECE
6. HOD-ME
7. HOD-CS
8. File copy
9. FI ACSS- to be uploaded on Institute Website

Proud to be Part of Team SLIET, Together We Can Make a Difference

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Contents of Training Program

On

PLC IN INDUSTRIAL AUTOMATION

Week 1	05-06-2023	Introduction to PLC, its Evolution and use
	06-06-2023	Advantage and Disadvantages, Discussion and understanding the practical applications of PLC
	07-06-2023	Knowing about the hardware/ Architecture
	08-06-2023	Understanding the function of each module/ part
	09-06-2023	PLC Specifications and selection for a particular application
Week 2	12-06-2023	Various interfacing devices (Input/ Output Devices)
	13-06-2023	Power Requirements/ Turn on the PLC, Input Output addressing, Inputs and Outputs wiring
	14-06-2023	Reading the IOs Status and Hard ware Alarms, Trouble shooting of a PLC
	15-06-2023	Understanding the process of PLC Program Execution
	16-06-2023	Knowing the PLC Software Terms
Week 3	19-06-2023	Number System, Codes, Logic Gates
	20-06-2023	Converting the electrical wiring diagram into PLC Program
	21-06-2023	PLC Programming basic exercises
	22-06-2023	PLC Programming basic exercises
	23-06-2023	PLC Programming basic exercises
Week 4	26-06-2023	PLC Programming basic exercises
	27 -06-2023	Knowing about Sequence Modules, understanding the co-related function of PLC and interfacing devices
	28-06-2023	PLC Programming advanced exercises
	30-06-2023	PLC Programming advanced exercises
	30-06-2023	Queries clarification in programming, Current trends in industry and Closing Discussion

(RAJ KUMAR)