

## CIRCULAR

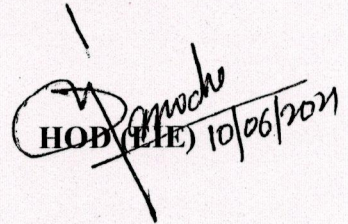
### FOUR WEEKS ONLINE TRAINING PROGRAM ON PROGRAMMABLE LOGIC CONTROLLER & ITS APPLICATIONS

UG 3<sup>rd</sup> year students are required to undergo 4 weeks industrial training after 6<sup>th</sup> semester. Considering the present situation whereby the students may not be able to join the industry physically, Centre for Training & Research in Automation (managed by Department of EIE, SLIET, Longowal) is offering a four-week Training program on 'Programmable Logic Controller & its Applications'. This program is equivalent to 'Four-week Industrial Training' as per curriculum of B.E. 3<sup>rd</sup> year and has already been approved by the competent authority.

There will be a one batch of 20 students. UG 3<sup>rd</sup> year students of GIN/GEE/GEC/GME can apply for this training program. The interested candidates are required to apply through Google form which will be opened on 14/06/2021 at 11.00 am and shall be closed by 15/06/2021 at 5 pm. Students shall be selected on merit basis and information of same shall be conveyed through email. The detailed schedule is attached herewith.

Click this link for registration: <https://forms.gle/pwd8wav7UxBQ4G3Q8>

- CC:
1. DEAN (ACADEMIC)-For information please
  2. HOD (T&P)-for information please
  3. HOD(ECE)-with request to circulate please
  4. HOD (ME)- with request to circulate please
  5. HOD (CSE)- with request to circulate please
  6. INCHARGE (ACSS)-with request to upload on institute website

  
HOD (EIE) 10/06/2021

Dept. of EIE, SLIET, Longowal  
Request No./Date 260  
10-6-21



संत लॉंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान  
Sant Longowal Institute of Engineering and Technology  
(Deemed-to-be-University, under MHRD, Govt. of India)

## FOUR WEEKS ONLINE TRAINING PROGRAM

on

PROGRAMMABLE LOGIC CONTROLLER & ITS APPLICATIONS

DEPARTMENT:

ELECTRICAL & INSTRUMENTAION

VENUE :

CENTRE FOR TRAINING &  
RESEARCH IN AUTOMATION

### Session Details

<b>Theory Session</b>	
09:30 AM to 10:30 AM	On-Line Theoretical Session
10:30 AM to 11:30 AM	Assignment
11:30 AM to 12:30 PM	Discussion
<b>Practical Session</b>	
02:00 PM to 03:00 PM	Practical Demonstration
03:00 PM to 04:00 PM	Exercises
04:00 PM to 05:00 PM	Doubt Clearing Session

*Rayley*

# PROGRAMMABLE LOGIC CONTROLLER& ITS APPLICATION

## (Training Schedule)

01-07-2021	Introduction to PLC, its Evolution and use
02-07-2021	Advantage and Disadvantages, Discussion and understanding the practical applications of PLC
05-07-2021	Knowing about the hardware/ Architecture
06-07-2021	Understanding the function of each module/ part
07-07-2021	PLC Specifications and selection for a particular application
08-07-2021	Various interfacing devices (Input/ Output Devices)
09-07-2021	Power Requirements/ Turn on the PLC, Input Output addressing, Inputs and Outputs wiring
12-07-2021	Reading the IOs Status and Hard ware Alarms, Trouble shooting of a PLC
13-07-2021	Understanding the process of PLC Program Execution
14-07-2021	Knowing the PLC Software Terms
15-07-2021	Number System, Codes, Logic Gates
16-07-2021	Converting the electrical wiring diagram into PLC Program
19-07-2021	PLC Programming basic exercises
20-07-2021	PLC Programming basic exercises
22-07-2021	PLC Programming basic exercises
23-07-2021	PLC Programming basic exercises
26 -07-2021	Knowing about Sequence Modules, understanding the co-related function of PLC and interfacing devices
27-09- 2021	PLC Programming advanced exercises
28-07- 2021	PLC Programming advanced exercises
29-07- 2021	Queries clarification in programming
30-07-2021	Current trends in industry and Closing Discussion

*Ray*