

## Eligibility & Seats:

Faculties of Electronics Engineering Group from Polytechnics in Maharashtra can participate. Selection based on Teaching/Industrial experience and Institute/Region. Seats available 30.

## Registration Fees:

Rs. 500/- per Participant (DD or Cash). DD should be drawn in the name of **“Principal, Guru Gobind Singh Polytechnic, Nasik**, payable at Nasik to be sent along with the registration form.

## Important Dates:

Last Date of receiving

Applications : 3<sup>rd</sup> December 2018

## Confirmation of selection

(by e-mail) : 6<sup>th</sup> December 2018

Duration of Program : 10 Dec 2018- 14 Dec 2018

## Program Contents:

- Introduction to Industrial Automation
- PLC Module
- Input Output cards in PLC
- Sensors and Control Logic
- Addressing of PLC
- HMI types, configuration and applications
- Counter and Control Logic
- Siemens S7-700 programming
- S7-1200 Modular Mini PLC
- Industrial Automation.
- Industrial Visit

## Resource Persons:

The resource persons for this course are experts from industries & academic.

## Accommodation, TA/DA:

Accommodation will be provided for outstation participants, such participants should communicate in advance. Outstation participants will be paid TA/DA as per MSBTE Norms.

## Chief Patrons

### Dr. Abhay Wagh

Director, DTE Maharashtra State, Mumbai

### Dr. Vinod M. Mohitkar

Director, MSBTE Mumbai

### Shri. D. P. Nathe

Jt. Director of Technical Education, Nashik Region

### Mr. V. R. Jadhav

I/C, Secretary, MSBTE, Mumbai

### Mr. Umesh T. Nagdeve

Deputy Secretary, MSBTE, Mumbai

### Dr. A. N. Pawar,

Dy. Secretary, RBTE, Aurangabad

### Mrs. Kanchan Kale

Asst. Secretary, MSBTE, Mumbai

## Patrons

### Hon. S. Gurdev Singh Birdi

President, Guru Gobind Singh Foundation.

### Hon. S. Balbir Singh Chhabra

Secretary, Guru Gobind Singh Foundation.

### Hon. S. Perminder Singh

CEO, Guru Gobind Singh Foundation.

## Organizing Committee:

### Convener

### Prof. P.S.Duggal

Principal, Guru Gobind Singh Polytechnic, Nasik

### Chief Coordinator

### Mrs. Sushama Kolhe

H.O.D (E&TC Engineering Department)

### Coordinator

### Mr. Pankaj Dadhich

### Contact Person

Mr. Pankaj Dadhich

(Mob No:9021981939)

Mr. Yogesh Chandratre

( Mob No: 9970860782 )

**Organizing Committee:** All Staff members of E&TC Engineering Dept.

## Mail Your Registration form to

[PLC.GGSP2018@GMAIL.COM](mailto:PLC.GGSP2018@GMAIL.COM)

## Address for Correspondence:

### GURU GOBIND SINGH POLYTECHNIC

Khalsa Educational Complex,

Guru Gobind Singh Marg,

Wadala-Pathardi Road,

Nasik-422009, [ggsf.nashik@ggsf.edu.in](mailto:ggsf.nashik@ggsf.edu.in).



**Maharashtra State Board of Technical Education, Mumbai (ISO: 9001:2008)**

**Sponsored**

**One Week Faculty Development Training Programme on**

***“Hands on Training on PLC and Industrial Automation”***

**(10 Dec 2018- 14 Dec 2018)**

Organized By  
Department of

**E&TC Engineering Dept.**



**Guru Gobind Singh Foundation's  
GURU GOBIND SINGH POLYTECHNIC**

Nasik-422009

Tel: +91 253 2374063,3290967

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Fax: +91 253 2376779

Website: [polytechnic.ggsf.edu.in](http://polytechnic.ggsf.edu.in)

E-mail: [ggsf.nashik@ggsf.edu.in](mailto:ggsf.nashik@ggsf.edu.in)

THE AIM OF EDUCATION IS THE KNOWLEDGE NOT OF  
FACT, BUT OF VALUES

EXCELLENCE IS NOT A DESTINATION; IT IS A  
CONTINUOUS JOURNEY THAT NEVER ENDS

THE ACT OF TAKING THE FIRST STEP IS WHAT  
SEPARATES THE WINNERS FROM THE LOSERS.

## GURU GOBIND SINGH FOUNDATION

Guru Gobind Singh Polytechnic is run by Guru Gobind Singh Foundation, which was formed in 1978 by prominent & illustrious Punjabi residents of Nasik. As worthy followers of the great Saint –Soldier Guru Gobind Singh, the Foundation set upon itself the aim of imparting high quality education, together with cultural activities and moral ethos, to the students.

### About the Institute:

The institute offers 3 years AICTE, DTE, MSBTE, approved full time Diploma Programmes in the various disciplines of Engineering and Technology as shown

Sr. No.	Course	Intake
1.	Civil Engineering	90
2.	Computer Engineering	90
3.	Electrical Engineering	60
4.	Electronics & Telecommunication Engg.	60
5.	Mechanical Engineering I	120
6.	Mechanical Engineering II	60

### Features of the Institute:

- NBA Accredited Institute 2017-19 & 2012-15. Programme CO, CE, EE, EJ & ME Accredited by NBA, for the period 2017-2019.
- Excellent Remark by MSBTE EAMC
- Joint Skill development center of BOSCH & Siemens
- State of the art infrastructure and Modern Labs
- Qualified and dedicated Staff.

### E&TC Engineering Department:

E&TC Engineering Departments is established in the year 2001. The Department is having well-equipped laboratories and well-qualified, dedicated and trained team of Teaching Staff.

Since the introduction of this branch, we as a team are committed to impart long-lasting technical as well as value education to the students to enhance their knowledge and keep them in pace with latest trends in technology to prepare them to face the requirements of the industry. Department faculties are contributing to the MSBTE curriculum development and its implementation.

SUCCESS IS A JOURNEY, NOT A DESTINATION

## COLLEGE PREMISES



### Vision

An Institute striving for excellence in providing scientific and technical education, to develop intellectual, innovative and quality engineers and prepare them to face challenges of modern society.

### Mission

- To be an educational Institute in providing high quality, affordable and accessible education programmes.
- To benchmark with the best global standards of quality education.
- To engage & motivate students through stimulating & collaborative experiences.
- To enhance the commitment of faculty, staff, and students to the centrality of diversity, social justice, and democratic citizenship.

### Program Objective

- To demonstrate the use PLC.
- To identify and develop the right combination of developer's tools by PLC and its application.
- To enable Analog & Digital I/O interface components.
- To allow developers to comfortably and easily create PLC and HMI connections.
- To develop a set of Industrial Automation technologies.

### Program Outcomes

- Describe typical components of a PLC.
- Describe the basic concepts of a PLC.
- State basic PLC terminology and their meanings.
- Demonstrate and apply the concept of electrical ladder logic, its history, and its relationship to PLC
- State the concept of basic SCADA systems.
- Use timer, counter, and programming functions.
- Explain HMI configuration and applications.

THE MIND IS LIKE A PARACHUTE-IT WORKS ONLY WHEN IT'S OPEN

**Registration Form**  
**GURU GOBIND SINGH POLYTECHNIC, Nasik**  
**Department of E&TC Engineering**  
**MSBTE Sponsored and Approved**  
One week State level Faculty Development  
Program  
On

***“Hands on Training on PLC and  
Industrial Automation”***

(10 Dec 2018-14 Dec 2018)

Name: Mr./Mrs./Ms \_\_\_\_\_

Designation: \_\_\_\_\_ Teaching Experience: \_\_\_\_\_

Industrial Experience: \_\_\_\_\_

Institute: \_\_\_\_\_

Address for Correspondence: \_\_\_\_\_

Telephone (with STD code): \_\_\_\_\_

Mobile No.: \_\_\_\_\_

Fax No. (with STD code): \_\_\_\_\_

Email: \_\_\_\_\_

Accommodation Required: YES / NO

DD No: \_\_\_\_\_ Date: \_\_\_\_\_

Bank: \_\_\_\_\_ Branch: \_\_\_\_\_

**Signature of Participant**

Place: \_\_\_\_\_

Date : \_\_\_\_\_

**Signature of Principal**

**Seal of institution**

IT IS IMPOSSIBLE FOR A MAN TO LEARN WHAT HE  
THINKS HE ALREADY KNOWS