

Registration Form

Name of Applicant :.....

Date of Birth (DD/MM/YY):.....

Gender: M F

Category(General/OBC/SC/ST):.....

Designation:.....

Highest Qualification:.....

Name and Address of the Institute/ Organization:.....

Email:.....

Mobile Number:.....

Do you need accommodation? (Yes/No):.....

Payment Details:

Transaction ID/DD No:.....

Transaction Date:

Issuing Bank.....

I do hereby agree to abide by the rules and regulations of the Faculty Development Program.

Signature of Applicant

Signature of Competent
Authority of the College

Place.....

Date:.....

Note:

1. The participant need to carry the Institute/Organization valid Identity Card (Both in Original & Photocopy) and two passport size photographs.
2. Guest House Facility will be provided on self paid, twin sharing basis. For accommodation please contact:

Mr. Praveen Kumar, +91- 9798682966

Mr. Hanif Ali, +91-8145721350

Affix passport
size
photograph

**Programme Duration
30 Hrs**

Patron

- **Prof. D.K. Singh**
Director, BIT Sindri, Dhanbad, Jharkhand.

Advisory Committee

- **Prof. G. Kumar**—*Dean Faculty Affairs Cum PC TEQIP, BIT Sindri.*
- **Prof. Upendra Prasad**—*Dean Academic, BIT Sindri.*
- **Prof. Devyani Mitra**—*HOD ECE, IIT (ISM) Dhanbad.*
- **Prof. S. K. Nagar**—*Dept. of Electrical Engineering IIT(BHU) Varanasi*
- **Prof. P. K. Sadhu**—*HOD EE, IIT (ISM) Dhanbad.*
- **Dr. L A Kumaswamidhas**—*Coordinator, TEQIP, IIT (ISM)*
- **Dr. D. K. Tanti**—*Dept of EE, BIT Sindri.*

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- **Mrs. Risha Mal,** *Dept of ECE, BIT Sindri*
- **MD. Hanif Ali,** *Dept of ECE, BIT Sindri*
- **Mrs. Sangeeta Kumari,** *Dept of ECE, BIT Sindri*
- **Mrs. Pritika Singh,** *Dept of ECE, BIT Sindri*
- **Ms. Kritika Awasthi,** *Dept of ECE, BIT Sindri*
- **Mrs. Niharika Sethy,** *Dept of ECE, BIT Sindri*
- **Mr. Praveen Kumar,** *Dept of EE, BIT Sindri*
- **Mr. Amit Kumar,** *Dept of EE, BIT Sindri*
- **Mr. Ramesh Devarapalli,** *Dept of EE, BIT Sindri*

Convenor

- **Dr. Pankaj Rai**—*HOD, Dept of EE, BIT Sindri.*

Co-Convenor

- **Prof. M. G. Tiary**—*Dept of ECE, BIT Sindri*
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- **Dr. Arvind Kumar**—*HOD, Dept of ECE, BIT Sindri.*

Organizing Joint Secretary

- **Dr. Imteyaz Ahmad**—*Dept of ECE, BIT Sindri*

Coordinator

- **Mr. Santosh Kumar Verma**—*Dept. of ECE, BIT Sindri.*

Co-Coordinator

- **Mr. Jagveer Singh Verma**,—*Dept of ECE, BIT Sindri*

Faculty Development Program on

Advanced Industrial Automation using PLC & SCADA 01 – 05 November, 2018 (Under TEQIP-III)



Organized By

**Department of ECE & EE
BIT Sindri, Dhanbad, Jharkhand
in collaboration with SIEMENS COE.**

PO: Sindri Institute, Jharkhand – 828123

Website: www.bitsindri.ac.in

Last Date of Registration: 28.10.2018

Venue: A26, BIT Sindri

About the Course

The aim of this five days faculty development program is to apprise the participants about the current state of industry automation using PLC and SCADA. The program will also inspire the faculties and research scholars to generate new future ideas in the field of industrial automation.

Topics to be covered in the Program

1. Introduction to PLC
2. Hardware relay logic control
3. Ladder Logic Programming for different PLCs
4. Bit logic operations, timers, counters and comparators.
5. Data Blocks, Functions and Functional Blocks, Organization Block.
6. Introduction to SCADA system
7. Interfacing of SCADA with PLC
8. Real-world Research Application of PLC.
9. Tools and Techniques: Hands-on session
10. Future Direction for further research

Course Outcome

This five days FDP will provide an overview of such budding topics and suggest several future perspectives for industrial automation using PLC and SCADA. It will also help to identify different challenges in the automation industry. The program will give an opportunity to interact with the experts in the field from different industries, IITs and NITs. The participants will get an exposure to start research work in the field of automation using PLC and SCADA system.

Resource Persons

The resource persons constitute faculty members from NIT Patna, Design Tech. Andhra Pradesh, SIEMENS EOC, BIT Sindri. and various guest speakers from other reputed institutions.

Who Can Attend

- Faculties, Research scholars looking to expand their knowledge in the area of industrial automation by PLCs and SCADA system.
- This can also be fruitful for persons working in different automation industries.

About BIT Sindri



BIT, Sindri was started as College of Mechanical and Electrical Engineering in 1949. The institute grew and flourished rapidly during the early days under the dynamic leadership of Prof. D. L. Despande, the then Director, who is regarded as the architect of the institute. The institute is located at a distance of 28 kms from Dhanbad railway station linked by rail as well as road. It has a sprawling campus of about 450 acres of land near the eastern bank of river Damodar. The institute is fully residential for students as well as teaching and non-teaching staff. The institute is controlled administratively by the Department of Higher, Technical Education & Skill Development, Govt. of Jharkhand. The main aim of the institute is to provide valuable human resources for the industry and society through excellence in technical education and research for sustainable development. The college offers B.Tech courses in 10 disciplines of engineering namely Mechanical, Electrical, Metallurgy, Production, Chemical, Electronics & Communications, Civil, Mining, Computer Science, Information Technology besides 10 M.Tech. Specialization. The college possesses modern amenities which include multimedia auditoriums, seminar rooms, class rooms, a state-of-the-art well-stocked rich E-library, well-equipped modern laboratories and campus wide network & State of Art Siemens lab which is regarded as Centre of Excellence to meet the industry demand. The wide range of activities on campus, fully residential hostels, good sports facilities and never dying zeal of staffs and students for pursuit of excellence provides a pleasant and intellectually stimulating, proactive, conducive environment to students to feed their curiosities / interest and help them to prepare for the professional, academic and social life.

How to Reach BIT Sindri

The institute is located at a distance of 28 kms from Dhanbad railway station linked by rail as well as road. From Dhanbad railway station Train is also available to Sindri Town Railway Station, from where institute is only 2 km away.

Boarding and Lodging

Boarding and lodging shall be borne by the institute. Limited self paid accommodations may be available in the Institute Guest House on first come first served basis. Several good hotels are available in and around Dhanbad. No TA will be paid to the participants by the organizing institute.

Registration Fee

Registration Fee

(Registration kit, Snacks included)

Rs. 1,000/- for Research Scholar.

Rs. 2,000/- for Faculty.

Rs. 5,000/- for Industry Personnel.

Mode of Payment: Demand Draft/NEFT

Scanned copy of the filled application form in the prescribed format duly signed along with the DD/NEFT receipt has to be sent to the coordinator through email to : **aksingh738@gmail.com**. The selection will be done on First Come First Serve basis and the confirmed candidates will be notified immediately. The DD must be **drawn in favor of "Advanced Industrial Automation using PLC & SCADA" payable at "BIT Sindri"**. Registration fee can also be deposited through NEFT to the bank details given below:

Bank Name: SBI

A/C No: 38022116769

IFSC Code: SBIN00011812

A/C Holder Name: "Advanced Industrial Automation using PLC & SCADA"

Contact Details

For any query you may contact:

Dr. Arvind Kumar

Organizing Secretary

Email: aksingh738@gmail.com

Phone No: +91-9110986849

Mr. Jagveer Singh Verma

Co-coordinator

Email: jagvirverma@gmail.com

Phone No: +91-9977500078