



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

धनबाद, झारखण्ड, भारत, पिन-826004

INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES), DHANBAD  
DHANBAD, JHARKHAND, INDIA, PIN-826004

**5-DAYS HANDS-ON TRAINING PROGRAMME ON  
PROGRAMMABLE LOGIC CONTROLLER (PLC)-PROGRAMMING,  
TROUBLESHOOTING & INDUSTRY APPLICATIONS**

**A**ccurately programming the Programmable Logic Controllers (PLCs) improves quality in production and manufacturing, reduces downtime, increases efficiency and even save energy cost associated with certain equipment. This training programme is to provide an in-depth skill-developments in PLC through hands-on learning. After attending this course, people will be comfortable in programming PLC and will have the confidence to edit existing or create new PLC solutions on their own. This course is designed for individuals who need to work with PLC.

**Course Contents:**

The course covers theory and practical on:

**PLC fundamentals, basic functions**

- Major Components, Inputs-Outputs and Sequence of Operation

**Ladder Programming for both digital & analog applications**

- Use of relay logic and ladder logic in creating PLC programs
- Timer, counter, comparator and their application in programs
- Analog input output operations
- Following specific instructions in programming to accomplish specific tasks

**Communications & fault finding**

- Create, upload and test own PLC programs for a variety of real-time tasks
- Online monitoring and troubleshooting operations.

**Applications in mining and mineral Industry**

**Duration:**

**January 15-19, 2018 at Indian Institute of Technology (Indian School of Mines), Dhanbad**

**Course Fee:**

**₹ 30, 000/-** (Rupees Thirty thousand only) + GST applicable

The fee includes everyday working lunch, course material, certificate and institute's amenities.

**₹ 6000/-** (Rupees Six thousand only) + GST applicable, extra for boarding, lodging (single, AC) at Executive Development Centre (EDC) of the institute during the period.

**Course coordinators:**

1. **Dr. Tanmoy Maity**; Associate Professor (EE) & Coordinator; Department of Mining Machinery Engineering, IIT (ISM), Dhanbad-826004, (Jharkhand); Tel: 0326-2235729(O); Mobile: 09471191126; E-mail: [tanmoy1826@gmail.com](mailto:tanmoy1826@gmail.com), [tanmoy\\_maity@yahoo.com](mailto:tanmoy_maity@yahoo.com)
2. **Dr. Ananda Shankar Hati**; Assistant Professor (EE) & Co-coordinator; Department of Mining Machinery Engineering; IIT (ISM); Dhanbad-826004; (Jharkhand); Tel.: 0326-2235083(O); Mobile: 09471191571; E-mail: [aryan1437@gmail.com](mailto:aryan1437@gmail.com), [anandashati@iitism.ac.in](mailto:anandashati@iitism.ac.in)

**Nominations:**

Nominations may be sent to the Coordinator on or before **3<sup>rd</sup> January, 2018** along with course fee either in the form of DD payable at any bank available in Dhanbad in favour of **Registrar, Indian Institute of Technology (Indian School of Mines), Dhanbad.**

**OR** through **Electronic Transfer** to Canara Bank, Saraidhela Branch, Dhanbad, **IFS Code: CNRB 0000986, Bank Account No: 0986101009746, MICR: 826015003.**



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5-DAYS HANDS-ON TRAINING PROGRAMME ON

**WORKING WITH PROGRAMMABLE LOGIC CONTROLLER (PLC)-  
PROGRAMMING, TROUBLESHOOTING & INDUSTRY APPLICATIONS**

(15-19 January 2018)

## REGISTRATION FORM

1. Name :
2. Designation :
3. Name of the organization :
4. Address for Correspondence :

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5. E-mail id
6. Mobile No.
7. Details of Demand :  
Draft/Online Payment
8. Amount :
9. DD Number/Online :  
Transaction ID.
10. Date of Payment :

Place :

Date :

Signature of Applicant