



Transforming knowledge into competence

Industrial Automation Training Academy

Free PLC Training Program with Scholarship for SC Candidates:

Automation in India has long been seen more as a shop floor tool than a "Business Performance Enabler" and has been restricted mainly to the technical domain and has not been sufficiently seen in terms of its "Business Value". Even where industrial automation has been adopted, the technology threshold is fairly low when compared to world standards "Lack of knowledge and awareness" has been a limiting factor despite the fact that all the major automation technology providers in the world have an extensive presence in India. Watch for big growth in the Indian automation industry during the next few years. "The Indian automation industry is growing at an annual rate of 20 percent to 25 percent.

To sustain and maintain the growth trajectory, we as **NFI - Industrial Automation Training Academy** are committed to bridge the gap between Indian industries and educational institutions

Our Aim is to make engineers employable in order to enhance the competitive edge of Indian Industries at international level. We have wide linkages with industries because of our manufacturing base of last 23 years. Hence we understand what industry needs - better than anyone else.

Owing to this need NFI- Industrial Automation Training Academy is offering Free **PLC Training Program with Scholarship** to SC Candidates having a family income of Rs. 81000/- per annum if residing in rural area and Rs. 103000/- per annum for urban residential people. Interested candidates will be shortlisted by **Interview process** & selected candidates will get **3 Months PLC Training** at **NFI- Industrial Automation Training Academy** with **Rs 1500 per months** as Scholarship in association with **National Small Industries Corporation Ltd. (A Govt. of India Enterprise)** under **NSFDC Scheme**.

Feel free to contact undersigned for any further information

Best Wishes,

Rajvir Singh
Associate Director,

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NFI- Head Office

SCO 83, Sector- 5, City Centre, Panchkula, Haryana

Phone: 0172-2573331, 2573332

E-mail: info@nfiautomation.org Website: www.nfiautomation.org

निःशुल्क एवं छात्रवृत्ति वाले कोर्सों में दाखिला

सभी अनुसूचित वर्ग के बेरोजगार युवक – युवतियों के लिए
 निःशुल्क एवं छात्रवृत्ति वाले रोजगार / स्वरोजगारमुखी कोर्सों में दाखिला शुरू

राष्ट्रीय लघु उद्योग निगम **NSIC** (भारत सरकार का उपक्रम) एवं **NSFDC** (सामाजिक न्याय एवं अधिकारिता मंत्रालय, भारत सरकार) के सहयोग से अनुसूचित जाति के जरूरतमंद लड़के / लड़कियों के लिए मुफ्त एवं छात्रवृत्ति योजनाओं वाले

दाखिला योग्यता के आधार पर

कोर्सेज़ में दाखिले के लिए आवेदन पत्र आमंत्रित किए जाते हैं।

सीटें सीमित

कोर्स	अवधि	छात्रवृत्ति	पात्रता	आयु
बेसिक कम्प्यूटर हार्डवेयर एंड सॉफ्टवेयर	3 माह	1500 रु मासिक	10 th	18 – 35 वर्ष
बेसिक अकाउंटिंग एंड ऑफिस प्रोसिज़र	3 माह	1500 रु मासिक	10 th	18 – 35 वर्ष
फैशन डिज़ाइनिंग	3 माह	1500 रु मासिक	8 th	18 – 35 वर्ष
प्रोग्रामेबल लॉजिक कंट्रोलर (PLC)	3 माह	1500 रु मासिक	10+2	18 – 35 वर्ष

संपर्क अधिकारी - श्रीमती शुभांगी, सहायक प्रबंधक

राष्ट्रीय लघु उद्योग निगम लिमिटेड
NATIONAL SMALL INDUSTRIES CORP. LTD.

S.C.O : 9,
 SECTOR 10,
 PANCHKULA - 134 109

संपर्क तथा आवेदन पत्र जमा करने का पता

Northstar Fastners Institute LLP
 SCO 83, Sector 5-D, City Center,
 PANCHKULA - 134 109



Transforming knowledge into competence

Industrial Automation Training Academy

PLC Training Curriculum

Duration of Training: 3 Months

Month 1 Course Curriculum (Estimated Duration: 60 Hours)

- Industrial Drawings
- Industrial Controls
- Industrial Sensors
- Industrial Actuators
- Relay Logic Control Circuits
- Delay Relay/ Timer Relay
- Industrial Symbols, Schematic Diagrams, Circuit Diagrams
- Motor Control Timings Circuits, Automatic Fwd/Rev of AC Motor
- Study & Use of Proximity, Limit Switch, Photoelectric, Level Sensors
- Study & use of LED's, Indicators, AC/ DC Motors, Conveyors, Alarms & Solenoids
- Relay Latching Circuits & Relay Interlocks
- Designing Automatic Circuit using Timer Relay

Project Work:

- AC/DC motor Control using Switches & Limit Switch
- AC/DC Motor Control using Proximity Sensors
- Including Delay in control circuit using Timer Relay
- Emergency Control of Conveyor
- Automatic Water Level Control

Month 2 Course Curriculum (Estimated Duration: 60 Hours)

- Understanding PLC - Basic Fundamentals –Logic Gates, Binary Concept, Potential Difference Fundamentals, Relay Logic Concept
- Communication of PLC with PC & HMI
- PLC Wiring Fundamentals – Sensor & Actuator Interfacing
- PLC Digital & Analog Outputs – Fundamentals & Wiring
- PLC Programming – Ladder Logic
- Basic Commands Understanding – LD, LDI, OUT, SET, RST, ALT, ZRST

- PLC Timers & Counters – TMR, CNT, DCNT
- Arithmetic Commands – ADD, SUB, MUL, DIV, DADD, DSUB, DMUL, DDIV
- Comparison Commands – LD=, LD<, LD<=, LD>, LD>=, LD<>, CMP, ZCP

PLC Based Application Projects:

- PLC Water Level Control
- PLC AC/DC Motor Control
- PLC Box Sorting on Interactive Training System PLC Professional Edition

Month 3 Course Curriculum (Estimated Duration: 60 Hours)

- Understanding PLC Data Registers- General Memory & Latched Memory
- Data Processing Commands – MOVE, INC, DEC, Block Move, Fill Move, RST
- PLC Troubleshooting
- HMI Programming – Screen Designing, Controlling & Monitoring, Alarm Generation
- Interfacing of PLC with HMI – Communication through Rs-485
- Monitoring PLC processing data on HMI
- Creating Auxiliary Buttons, Meters, Tanks, Pipes & Indicators in HMI
- PLC-HMI Industrial Control Applications

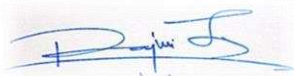
PLC Based Application Projects:

- PLC Robotic Arm Control
- PLC Paint Production on Interactive Training System PLC Professional Edition

The above training curriculum is specifically designed by PLC Experts to prepare the candidates employable in any process & manufacturing industries.

For any further information please contact undersigned.

Best Wishes,



Rajvir Singh

Associate Director,

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National Small Industries Corporation Ltd.

(A Govt. Of India Enterprise)

Technical Services Centre, Rajpura-140401

Application Form

Training Programmes for Scheduled Caste candidates
(Sponsored by NSFDC)

I, _____ intend to join i.e. the Skill Development Training Program in the Trade/Course of _____ at _____ (Haryana).

Particular of the Trainees

1. Name (Capital Letter) : _____

2. Date of Birth : ___/___/_____ 3. Nationality: _____

4. Father's Name/ Husband's Name : _____
(Capital Letter)

5. Annual Income : _____ (Annual Income limit Rural Area Rs 81000/- & Urban Area Rs. 103000/-).

6. Postal Address : _____

_____ Tel/Mobile _____

4. Permanent Address : _____

_____ Tel/Mobile _____

5. Name of sponsoring Organisation : **National Schedule Caste Finance Development Corporation (NSFDC), New Delhi.**

6. Education Qualification :

Examination Passed	Year	Marks Obtained	Total Marks	% of Marks	Name of School/Board/University

Declaration

I hereby undertake that the information given above is true and correct to best of my knowledge. In case, I am admitted, I hereby promise to strictly abide by rules & regulation covering trainees during the period of my training at the centre.

Date: _____

Signature: _____

Check List (Please tick):-

1) SC Certificate.

2) Income Certificate:

3) Attested Copy of DOB proof:

4) Attested Copies of Qualification certificates:

5) Passport Photographs (4 Nos):