



DeepTech Automation Systems Pvt Ltd

A Group Of DIITM, Noida(An ISO 9001-2008 certified)

Industrial Automation Training



www.deeptechsystem.com

About us:

We Deep Tech. Automation System. like to introduce ourselves as the company providing Hands on Practical Training cum Placement Program in Advanced Industrial & Process Automation. Deep Tech System has rich experience in providing automation solutions to applications like Cement, Power, Food Processing, Plastic, Pharmaceuticals Machineries, DG Automation, Load Management, Material Handling, Automobile, Ash Handling etc.

In order to cater to manufacturing industry's demand for skilled technical manpower in high-end technologies, Deep Tech System established the Training Division that imparts advanced technology training, currently, in the areas of control systems, instrumentation mechanical systems, electrical systems and embedded systems. Deep Tech. also provides customized training to corporate all over the world. Deep Tech. generic teaching methodology and focus on practical training has helped it gain strong foothold in Indian industry.

Eligibility Criteria:

- Degree/Diploma Engineers in Electronics & Communication, Electrical/Instrumentation / Mechanical.
- Working professionals
- Final Year students for Summer/Winter Training/Project.

Why DeepTech.System is different ?

- Ability to provide training on multi brand automation systems, mechanical systems, electrical systems and embedded systems
- Add on courses on Personality Development
- On site Practical Exposure.
- Highly skilled and expert trainers with project background.
- Guidance for final year projects.
- Mock interviews

Advantages of recruiting from Deep Tech. System

- Saves your recruitment cost – Saves advertisement cost – saves time in screening of unwanted resumes.
- Cost effective as you will get ready made screened resumes suiting your need.
- You can get trained resources as per your requirement (we can offer additional training

to candidates selected by you at no extra cost)

- Over 200 large and small manufacturing companies / System Integrators already recruiting from us.
- We can offer Campus recruitment for screening candidates

Functional areas where every DeepTech.System trained professional can be employed:

- Maintenance function
- Production function
- Projects function .
- Erection, Commissioning and Maintenance of all types of field Instrumentation system in plants which Include Flow, Pressure, level, Temperature measurement system, Pumps, Valves, and all types of Sensors
- Develop and maintain plant control system, which include PLC based system like Allen Bradley, Siemens, and Omron. Distributed Control System. SCADA system and Drives.
- Development and maintenance of High Speed and Distributed Data Acquisition System

Training in Deep Tech System:

We impart Hands-on paid training on PLCs, SCADA, HMI, Motion Control (Drives & Motors), DCS, Industrial Networking, Process control and Instrumentation, Panel Designing etc. to Fresher's, engineers, working professionals, technicians. We have trained more than 1400 working professionals at our fully equipped labs / facilities at Noida, on following systems:

- PLCs (Allen Bradley, Siemens, Modicon, Mitsubishi etc.)
- SCADA/HMI (Wonderware ,RSView)
- Variable Speed Drives (Siemens)
- HMI (Human Machine Interface)
- Panel Designing /Auto CAD
- Process Instrumentation, Panel Control Circuits, Industrial Networks.
- On Site Exposure on different project
- Interview & HR Training



COURSE CURRICULUM:

Module-I: (Certified Automation Engineer)

Eligibility: BE/B.Tech./Diploma/M.Sc. in ECE/ICE/EEE/EI/ME

Stipend: Rs. 5000/- Per Month after completion Training to JOB Starting

Duration: 60 Days

Contents: PLC / SCADA / HMI / VFD / Panel Designing / Instrumentation / Auto-CAD / DCS / Interview Skill / Industrial Visit

Placement: 100% Job Guarantee with Stipend

Module-II: (Certified Automation Engineer)

Eligibility: BE/B.Tech. /Diploma/M.Sc. in ECE/ICE/EEE/EI/ME

Duration: 60 Days

Contents: PLC / SCADA / HMI / VFD / Panel Designing / Instrumentation / Auto-CAD / DCS / Interview Skills / Industrial Visit

Placement: 100% Job Guarantee

Module-III: (Certified PLC Programmer) (Summer Training)

Eligibility: Pursuing BE/B.Tech. in ECE/ICE/EEE/EI/ME

Duration: 4 weeks/6 weeks

Contents:

1. PLC: Programmable Logic Controller
2. SCADA: Supervisory Control & Data Acquisition
3. Variable Frequency Drives

COURSE CONTENTS:

PLC: Programmable Logic Controller

- Introduction to Automation & Tools of Automation
- Introduction & Various application of PLC
- Hardware & Architecture
- PLC Programming software
- Selection Criteria of PLC according to application
- Introduction to field device (Input/output)
- Fault finding & Trouble shooting
- Types of PLC (Classification)
- Source sink Concept of PLC
- Some terminology used in PLC (Scan time, Scan cycle, Redundancy, Response time)
- Types of programming language
- Hands on practical (LD/FBD)
- Troubleshooting and fault finding & diagnostic of PLC

SCADA: Supervisory Control and Data Acquisition:

- Introduction to SCADA
- Features of SCADA
- Difference between SCADA & HMI
- Making & Editing new graphic display
- Real time & Historical Trends
- Use of alarms and Events
- Application of scripts
- Net DDE Communication
- Fault finding & Troubleshooting
- Recipe management
- Security

HMI: Human Machine Interface

- Making Applications
- Download & Upload the Programs
- Communication with PLC
- Fault Finding & Trouble shooting

VFD: Variable Speed Drive & Motor

- Introduction
- AC Motors : Operation & Limitation
- Starters : DOL, Star Delta
- Drive Selection /Parameter Programming
- Communication with PLC
- Fault finding & trouble shooting

AutoCAD:

- 2D Designing
- Electrical Panel Designing

Panel Designing:

- Introduction to Panel Designing
- Introduction to Switch Gear & Accessories
- Control & Power Drawings
- Power & Control
- Circuits /Wiring Guidelines
- Live Panel Designing

Process & Field Instrumentation:

- Transmitters /Sensors/Valves
- Temperature Measurements
- Flow Measurements
- Pressure Measurements
- Level Measurements
- Process Control Basics

DCS: Distributed Control System

- Applications Hardware
- Difference Between DCS & PLC
- Industrial Overview

Interview & HR Training

- Resume Making /Interview Facing
- Technical Interview/HR Interview

Our Clients:

Toshiba Plant Systems & Services Corp.

A.P.System

SMS infrastructure Ltd

Nice Projects Private Limited

Lanco Infratech LTD

Valdel Engineers & Constructor Pvt. ltd.

JS Engineering India Pvt. Ltd

Oriental Structural Engineers Pvt. Ltd.

PC Solutions P Ltd

Universal Automation Pvt. Ltd.

Multivac Laraon India Pvt. Ltd.

EAP Electro Projects Pvt. Ltd.

Entity Solutions Ltd.

Sravanthi Group

JR technologies

Industrial Engineering Corporation

Advance Automation

Sanjay Electrical Traders

Redox Technologies Private Limited

RR enterprises

Synergy Telecommunication

Logwell Forge Ltd

Symtronics Automation Pvt. Ltd.

Acutech Manufacturing Pvt. Ltd.

GERB Vibration Control Systems

Gastek Engineering Pvt. Ltd

Galaxy Indicators India Pvt. Ltd

Chugh Brothers Pvt. Ltd.

Elesa-Ganter Pvt. Ltd.

Emtex Machinery Pvt. Ltd.

Enexco Teknologies India Ltd.

Donaldson India Filter Systems Pvt. Ltd.

Lambda Televeture Pvt. Ltd.

Cenlub Industries Ltd

Focus Energy Ltd.

Instronix India

Indoma Industries Pvt. Ltd.

Hummel Connector Systems Pvt. Ltd.

World Technological Products Pvt. Ltd.

Indian Computer Services

HORIBA India Pvt. Ltd.

Hexagon Metrology India Pvt. Ltd.

Poly Medicure Limited

Woodward Governors India Ltd.

Samtel Glass Limited

Zumbach Electronic India Pvt. Ltd

G S Engineering & Construction Ltd.

Electrical Control systems

TII techno Testing Instruments (P) Ltd.

MTL Instruments Pvt. Ltd

Vimlesh Industries Pvt. Ltd

Barcode India Ltd

Advance Vibrators

Kuka Robotics

Rostfrei Steels

Mars Industries Pvt. Ltd

Oswal Group of Industries

Bright Metals (India) Pvt. Ltd.

Proteck Machinery Pvt. Ltd.

Musashi Auto Parts India Pvt. Ltd

Showa India Pvt. Ltd.

Subros auto air-conditioning Systems

Conformity India Int. Pvt. Ltd.

Bergen Associates Pvt. Ltd.

Motherson Machinery Automations Ltd.



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