

L&T Automation Academy!

Learn Today, Lead Tomorrow...

L&T Automation Academy in technical association with IEEE Bombay Section launches its unique integrated training course on Automation



L&T Control & Automation (C&A) is a Strategic Business Unit of L&T Electrical & Automation. It is a part of Larsen & Toubro – the multi-billion India-based conglomerate. L&T is engaged in technology, engineering, construction and manufacturing, and has a track-record of projects that set industry benchmarks in scale and sophistication.

L&T's C&A business is market leader in delivering integrated electrical & automation solutions in India and overseas. With over three decades of experience in diverse industry segments, C&A delivers value through comprehensive solutions based on varied technology platforms and incorporates the benefits of its wide-ranging experience.

L&T's state-of-the-art Automation Campus at Navi Mumbai in India has the latest testing and manufacturing equipment. It incorporates a modular manufacturing unit, an application software laboratory and a fully networked office for engineering and project management.

IEEE is the world's largest professional association dedicated to advancing technological innovation and excellence for the benefit humanity. IEEE and its members inspire a global community through IEEE's highly cited publications, conferences, technology standards, and professional and educational activities.

Join L&T Automation Academy and learn from the masters!

Take the first step to a rewarding career in the Control and Automation field.

Our course begins from Basics of Drives & Automation to Project Management. We will train you both in the classroom and on the job.

Our main aim is to ensure that you acquire expertise in product competency, engineering and project execution, with hands-on experience.

Integrated Automation Training Course

Our introductory 'Integrated Automation Training Course' includes topics such as the basics of Drives, SCADA, PLCs and PLC Software, Instrumentation, Industrial Networking & Project Management. The course will also address complete Project Execution, Engineering, Manufacturing and site orientation – all of which will help you understand the complete cycle of automation business.

Details:

Drives

- Introduction to drives
- Classification of drives
- DC motor basics, DC drive controls, Peripherals & Applications
- AC motor basics, AC drive controls, Peripherals & Applications
- Exercise and test

PLC

- PLC basics
- PLC hardware
- PLC architecture
- PLC components
- Field devices
- Redundancy
- Exercise and test

PLC Software

- PLC programming software
- Ladder logic
- Addressing concept
- Programming instructions
- FBDs
- Trouble shooting and fault diagnostics
- Exercise and test

SCADA

- Introduction
- GUI creation with objects like gauges, indicators, buttons
- Data communication
- Archiving methodologies
- Handling alarms and events
- Scripting
- Control managers
- Configuration (alarm, diagnostics, data logging, etc.)
- Trending – real time and Reports creation
- Exercise and test



Instrumentation

- Basics of field instrumentation
- Transmitter and signal types
- Temperature measurement
- Pressure and flow measurement
- Primary transducers
- Valve control
- Modes of control

Networking

- Networking concepts
- OSI-Model layers and standards
- Master slave
- Peer-to-Peer
- Typical network configuration
- Protocols

Project Management

- *Introduction : Why project management*
- *The organizational context: Strategy, structure and culture*
- *Project selection and portfolio management*
- *Leadership and the project manager*
- *Scope management*
- *Project team building, Conflict and negotiation*
- *Risk management*
- *Cost estimation and budgeting*
- *Project scheduling*
- *Procurement management*
- *Project evaluation & control*
- *Contract management*
- *Project closure*

Register Today

Please send the registration form, duly filled up and signed along with the requisite Demand Draft/Cheque to our office.

The Demand Draft/Cheque should be drawn in favour of "Larsen & Toubro Limited" payable at Mumbai.

"L&T Automation Certified Engineer" certificate will be awarded on successful completion of the course.

Eligibility:

BE/B.Tech/Diploma - Electronics, Electrical, Telecom, Instrumentation. Final year students can apply.

Course Duration: 6 months

2 months class room training

2 months on the job training at Automation Campus, Navi Mumbai

2 months on-site exposure

Course Fees:

Course fees will be provided on request.

Fees include learning session fees, course material and hand-outs

During classroom & on the job training: boarding, lodging, transportation and food expenses will be borne by the students. During on site training travel, lodging & boarding expenses will be borne by L&T.

Fees are not refundable.



L&T Electrical & Automation

L&T Automation Academy

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