ZELVU Education

COURSE BROCHURE

Omron NJ/NX PLC & Sysmac Studio Foundations

Diploma, Vocational & Skills / Industrial Automation, PLC & SCADA

One-time full-course fee

INR 4,499

Access

12 months course access

Study plan

16 suggested study hours; 12 months access

Learning format

4 self-paced written English lessons with original worked examples, disconnected simulation or paper exercises, explained knowledge checks and a self-assessed capstone. Optional automated Course Tutor assistance is available in the protected LMS.

Programme overview

Four original written lessons on Sysmac-oriented typed variables, independent function-block state, request lifecycles, data-trace interpretation and a two-station inspection capstone. Required exercises use paper or optional disconnected simulation; motion, functional safety and physical commissioning are outside scope. 4 self-paced written English lessons with original worked examples, disconnected simulation or paper exercises, explained knowledge checks and a self-assessed capstone. Optional automated Course Tutor assistance is available in the protected LMS. AI-authored with independent AI editorial checks; independent human academic review is not included. Independent ZELVU vocational study using fictional exercises. No vendor affiliation, OEM certification, engineering software licence, PLC or HMI hardware, supervised physical laboratory, live human instruction, individual human marking, recorded video lecture series or placement guarantee is included. Simulation results do not establish physical equipment competence. Ordinary PLC logic is not a safety-rated emergency-stop system. Real wiring, energisation and commissioning require qualified supervision, equipment-specific procedures and authorised isolation; do not connect these training exercises to a live plant. The same four lessons are included in PLC & Industrial Automation Complete Course, so purchasing both repeats material. The combined course contains the 56 new readings of the 14 named focused packs and grants its own access, not separate focused-course entitlements. Introductory PLC concepts may overlap with the

separate Robotics & Automation degree-support programme (btech-be-robotics-automation); that product's existing material and entitlements are not included or changed.

Who this is for

1. PLC logic, basic data types and state-machine concepts. A paper workbook is sufficient. Optional Sysmac Studio licences, supported computer, simulator options and hardware are separate; confirm the selected controller and software version.
2. Use only the supplied fictional data and disconnected training environment. Keep real plant credentials, network addresses, private programs and customer information out of the Course Tutor.

Published topics and learning focus

1. Build Typed Variables and Structured Machine Records
2. Give Each Function-Block Instance Its Own Lifecycle
3. Design a Data Trace That Can Explain a Failure
4. Capstone: Verify Two Independent Inspection Stations

Before you choose

1. These are published programme highlights, not certification of complete syllabus coverage. Review the available reading index and programme trial before enrolling.
2. ZELVU provides learning support. It does not award the underlying degree, professional registration or an examination result.
3. Current checkout terms and refund policy apply. Payment and access require successful provider verification.

Take the next step

Explore the programme trial

View current details, scope and terms

Ask ZELVU about this programme

Save this brochure for reference. Details can change: confirm the current programme page and checkout before making a purchase.