COURSE BROCHURE

PLC Instrumentation, Analog Signals & PID Concepts

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

One-time full-course fee

INR 3,499

Access

12 months course access

Study plan

18 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 analog signal scaling, measurement quality, fictional process dynamics, filtering, PI/PID concepts, output limits and a fully answered offline temperature-control capstone. 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. Included in PLC & Industrial Automation Complete Course; buying both repeats these lessons. The complete course does not grant separate focused entitlements. Introductory instrumentation topics may overlap with the separately sold Robotics & Automation degree-support course; its existing material and access remain separate.

Who this is for

1. PLC foundations, fractions and basic algebra. All exercises use fictional current values and disconnected mathematical models; no instrument or live process access is required.
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. Instrument Signals, Scaling and Measurement Quality
2. Process Response, Sampling and Filtering
3. PID Terms, Output Limits and Manual-to-Automatic Transfer
4. Capstone: A Measured and Limited Temperature-Control Model

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.