COURSE BROCHURE

Precision Metrology & CNC Quality Inspection

Diploma, Vocational & Skills / CNC & Precision Manufacturing

One-time full-course fee

INR 2,499

Access

12 months course access

Study plan

14-20 suggested study hours; 12 months access

Learning format

Eight self-paced written lessons in English, original worked examples, paper or digital exercises, explained knowledge checks and a capstone with a model solution and self-assessment rubric. Automated Course Tutor support is available in the LMS.

Programme overview

Self-paced written foundation teaching with automated Course Tutor, supplied measurement datasets, original calculations and quality case studies. Covers instrument concepts, uncertainty, traceability, inspection methods, process data and disposition. No measuring equipment, paid software, live instruction, accredited calibration or production-release qualification included. Eight self-paced written lessons in English, original worked examples, paper or digital exercises, explained knowledge checks and a capstone with a model solution and self-assessment rubric. Automated Course Tutor support is available in the LMS. Online theory and planning only. Physical machine practice requires separate qualified supervision and machine-specific authorisation. No machine time, software or simulator licence, live instructor, recorded lecture series, individual human marking, employment guarantee, ITI/DGT/NSQF qualification or manufacturer accreditation is included. Programme examples are for offline interpretation or simulation and are not ready-to-run machine instructions. Builds on drawing foundations and supports every machining course; examples use supplied data and do not certify practical measurement competence.

Who this is for

1. Basic drawing interpretation, units and decimal arithmetic.
2. Use the supplied fictional parts and data. Do not upload confidential employer drawings. Use only software you are entitled to use; paper alternatives are available.

Published topics and learning focus

1. Start here: what a measurement result means
2. Caliper and micrometer readings on paper
3. Uncertainty budgets and conformity decisions
4. Calibration, traceability and instrument condition
5. Gauges, indicators, CMMs and method selection
6. Repeatability, trends and process capability foundations
7. Inspection records, holds and authorised disposition
8. Capstone: build an inspection-evidence dossier

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.