COURSE BROCHURE

CNC Tooling, Workholding & Setup Planning

Diploma, Vocational & Skills / CNC & Precision Manufacturing

One-time full-course fee

INR 2,999

Access

12 months course access

Study plan

16-22 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

Eight substantive written lessons covering tool/holder identity, cutting geometry, projection and runout, locating/clamping concepts, datums, tolerance chains, setup records and a final review dossier. Paper/offline planning only; no physical setup, load-rated fixture design, machine operation, equipment, software licence, live instruction or human marking 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. Complements Turning, Milling and CAM with setup planning. No physical setup competence assessment is included.

Who this is for

1. CNC fundamentals, drawing interpretation and basic 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. Tooling systems, assembly identity and safe planning scope
2. Feature-led cutting-tool and insert geometry selection
3. Projection, stiffness, runout and holder envelopes
4. Locating, supporting and clamping concepts
5. Datums, tolerance chains and restrained-part deformation
6. Tool, fixture, offset and inspection setup sheets
7. Readiness review, first-article evidence and controlled changes
8. Capstone: tooling and workholding review 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.