COURSE BROCHURE

CAD/CAM for CNC Milling & Turning

Diploma, Vocational & Skills / CNC & Precision Manufacturing

One-time full-course fee

INR 4,499

Access

12 months course access

Study plan

20-28 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 original written lessons covering stock and work-coordinate planning, tool assemblies, speed/feed arithmetic, milling and hole-making sequences, turning profiles, simulation, postprocessing and two assessed digital-planning capstones. This is self-paced theory and optional licensed-software practice; physical machine operation and software licences are separate. 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. CAD foundations and manual programming overlap at the prerequisite level. This course focuses on CAM planning; software and machine time are separate.

Who this is for

1. Basic CAD modelling and turning or milling concepts.
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. CAM workflow, stock and coordinate systems
2. Digital tool assemblies and cutting calculations
3. Milling roughing, finishing and remaining material
4. Hole-making and feature sequencing
5. Turning CAM: profiles, stock and accessible features
6. Simulation, collisions and evidence of verification
7. Postprocessing, programme review and setup documentation
8. Capstone: milling and turning process plans

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.