COURSE BROCHURE

CAD for CNC Manufacturing

Diploma, Vocational & Skills / CNC & Precision Manufacturing

One-time full-course fee

INR 3,499

Access

12 months course access

Study plan

18-24 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

A complete eight-lesson written foundation in manufacturing briefs, constrained sketches, solid features, parametric revisions, machining-aware design, drawing communication and verified digital handover. Includes original calculations and a fixture-plate capstone; software licences and physical machining 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. This course focuses on manufacturable part modelling. CAM toolpath planning is covered separately; software licences are not included.

Who this is for

1. Basic computer skills, geometry and engineering drawing awareness.
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. From a manufacturing brief to a controlled CAD model
2. Coordinates, dimensions and constrained sketches
3. Solid features, bodies and machining geometry
4. Parameters, design intent and controlled change
5. Designing geometry that can be machined and inspected
6. Drawings, dimensions and acceptance information
7. Neutral exports, units and revision handover
8. Capstone: a reviewed fixture-plate design package

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.