



Learn to design it, program it and machine it.

CAD · CAM · CNC training in Vasai East, on software and on a real 3-axis VMC



- 15+ years of industry experience behind every trainer
- Real 3-axis VMC training, not just simulation
- 100% placement assistance · lifetime technical support · online & offline

Most institutes teach the software. We teach the job.

Real machine, real chips

Hands-on sessions on an actual 3-axis VMC. You walk into interviews having already run the machine.

Trainers from the shop floor

Every concept is taught with real industry examples, backed by 15+ years of CNC programming and CAD/CAM experience.

Placement, properly

Resume building, interview preparation, direct company connections and the U-TECH Job Portal.

Online or at Vasai

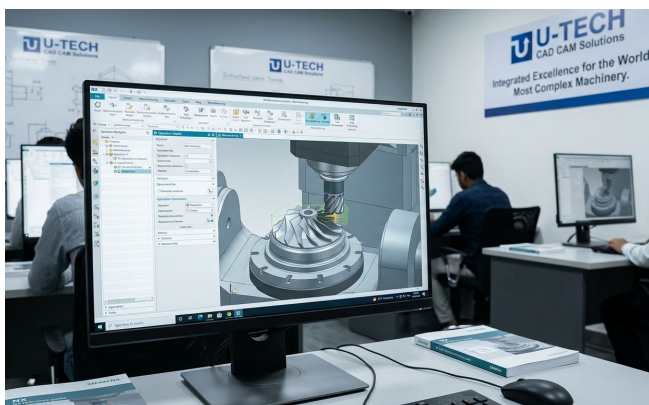
Live online batches or classroom training, with the same trainers and the same projects.

Support that doesn't expire

Lifetime technical support. Message your trainer even after you're placed.

A certificate that's verified

U-TECH certification that employers can verify directly with the institute.



Drafting the Future
One Precision Line at a Time

Mastercam 2026

MILL 2D · MILL 3D · TURNING · HSM · FANUC POST

The CAM package most Indian job-shops actually run. You'll program 2D, 3D and turning jobs and post clean Fanuc code.

Modules: CNC & VMC machine fundamentals · Mastercam 2026 interface & workflow · 2D & 3D geometry creation · 2D toolpaths · 3D surface toolpaths · High-Speed Machining (HSM) · Tool selection, feeds & speeds · Lathe / turning · Simulation & verification · Post processing for Fanuc · Real VMC setup & operation

Roles: CNC Programmer, CAM Engineer, VMC Setter-Programmer, Tool Room Programmer

SOLIDWORKS

3D CAD · ASSEMBLIES · SIMULATION · SHEET METAL

Industry-standard 3D CAD for part design, assemblies, simulation and sheet metal, taught from sketch to shop drawing.

Modules: Sketching with intent · Part modelling · Assemblies · Engineering drawings · Sheet metal · Simulation · Motion basics · Certification preparation

Roles: Design Engineer, Product Designer, Sheet Metal Designer, CAD Engineer

Siemens NX

NX CAD · NX CAM · ADVANCED MODELLING

The high-end CAD/CAM platform aerospace and automotive companies use. Master NX modelling and NX CAM machining.

Modules: NX environment & modelling basics · Synchronous & advanced modelling · Assemblies & drafting · NX CAM setup · Planar & cavity milling · Fixed & variable-contour finishing · Drilling & hole-making · Post & verify

Roles: CAD/CAM Engineer, Aerospace Design Engineer, Automotive CAM Programmer

AutoCAD

2D DRAFTING · 3D MODELLING · MECHANICAL · CIVIL

Foundation 2D drafting and 3D modelling, the first skill every mechanical and civil professional needs.

Modules: Drawing setup & units · Draw & modify commands · Precision drafting · Dimensioning & annotation · Blocks & attributes · Orthographic & isometric · Layouts & plotting · 3D modelling

Roles: CAD Draughtsman, Design Trainee, Civil / MEP Drafter

PowerMill

5-AXIS · MULTI-AXIS · MOULD & DIE

High-performance CAM for complex multi-axis machining. Ideal for mould, die and aerospace parts.

Modules: PowerMill workflow · Area clearance & roughing · Finishing strategies · Mould & die techniques · 3+2 positional machining · Simultaneous 5-axis basics · Verification & posting

Roles: Mould & Die CAM Programmer, Tool Room Engineer, 5-Axis Programmer

ArtCAM / Carveco

JEWELLERY · RELIEF · ARTISTIC CNC

Creative CNC for jewellery, woodwork and artistic relief machining. Turn a sketch into a carved part.

Modules: Vectors from artwork · Relief modelling · Jewellery design · V-carving & engraving · Relief toolpaths · Output to CNC

Roles: CNC Router Programmer, Jewellery CAD/CAM Designer, Signage & Decor CNC Operator

CATIA

PART DESIGN · SURFACES · ASSEMBLIES

The aerospace and automotive design standard for parts, assemblies and class-A-leaning surface work.

Modules: Sketcher & part design · Generative shape design · Assembly design · Drafting · Sheet-metal & plastic parts basics

Roles: Automotive Design Engineer, Aerospace CAD Engineer, BIW / Trim Designer

Autodesk Inventor

PARAMETRIC PARTS · ASSEMBLIES · FRAMES · DRAWINGS

Parametric 3D design for machines, frames and assemblies. A natural next step if you already know AutoCAD.

Modules: Parametric sketches & parts · Assemblies · Frame generator · Sheet metal · Drawings & presentations

Roles: Machine Design Engineer, Mechanical Designer, Special-Purpose Machine Designer

3-Axis VMC Operation

REAL MACHINE · SETUP · OFFSETS · CUTTING

Hands-on time on a real 3-axis VMC. Set tools, touch off, load programs and cut, so you're not just watching a simulation.

Modules: Machine safety & controls · Workholding · Tool setting · Work offsets · Program handling · First-piece cutting · Everyday troubleshooting

Roles: VMC Operator, VMC Setter, CNC Machinist

CNC Programming (G-Code)

G & M CODES · FANUC · CANNED CYCLES · EDITING

Read, write and edit Fanuc G-code by hand, so you understand every line a CAM system posts.

Modules: Coordinate systems · Motion codes · Tool & cutter compensation · Canned cycles · Sub-programs & patterns · Program structure · Editing at the controller

Roles: CNC Programmer, Setter-Programmer, Production Engineer

From your first message to your first salary.

- 01 Say hello**
Message us or walk in. We ask about your background and goals.
- 02 Sit in a demo**
A free demo class: meet the trainer, see the lab and the VMC before paying.
- 03 Learn & build**
Software modules, real-time projects and job-work exposure, online or at Vasai.
- 04 Cut & certify**
Set up and run the real 3-axis VMC, clear your practical, earn your U-TECH certificate.
- 05 Get placed**
Resume, interview prep and company connections until you're hired, then lifetime support.

Visit the institute

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Duration and fees depend on your batch and track. WhatsApp +91 96191 89618 for the current fee sheet and batch calendar.

