EDUFYI
TECH SOLUTIONS

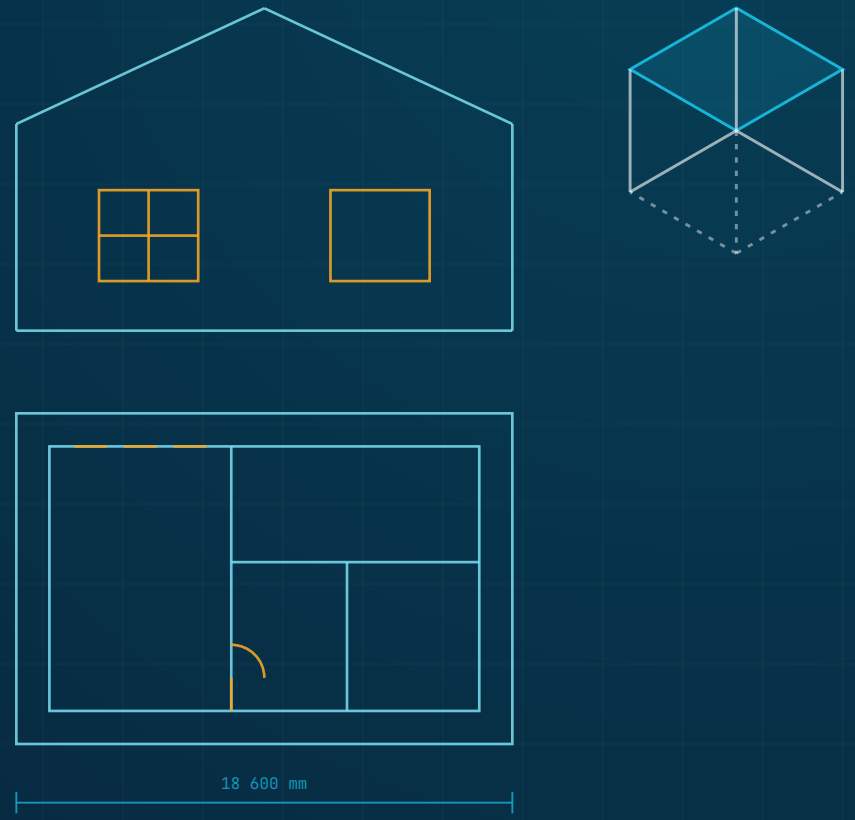
PROGRAM DOSSIER / 2026 EDITION

# AUTOCAD

## PROFESSIONAL + ADVANCED TRACK

2D drafting mastery, parametric design, 3D modelling, automation with AutoLISP, and BIM-ready collaboration — built with industry mentors.

11 WEEKS | 3 PHASES | 6 CAPSTONES | AUTODESK CERTIFIED




ALUMNI PLACED AT

**Microsoft · Capgemini · Deloitte · IBM · Adobe · EY · BOSCH**

01 / WHO WE ARE

# BUILT FOR THE NEXT DRAFTING GENERATION

Industry-mentored, project-first learning

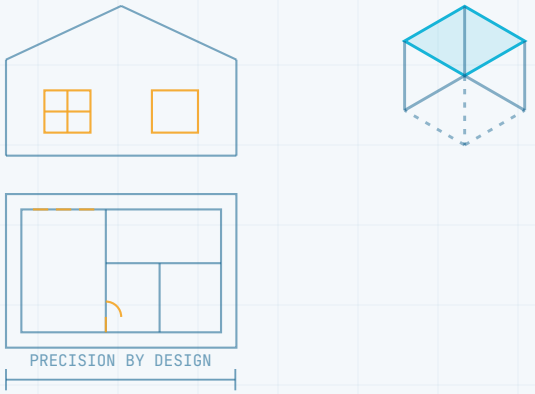
Edufyi Tech Solutions transforms how college students step into industry. We pair virtual internships with structured industrial training, mentored by engineers from MNCs and fast-growing startups. Every learner ships six real-time and capstone projects per domain — the same deliverables a working CAD professional is judged on.

**18.7B$**
CAD market by 2030

**16.6%**
CAGR 2020-2030

**150+**
Hiring partners

**100%**
Placement assistance




6 PROJECTS / 3 CERTIFICATES
1 GUARANTEED INTERNSHIP

01
**SPEED**
Self-paced or cohort tracks

02
**PROJECTS**
Industry project playground

03
**MENTORS**
MNC engineers & founders

04
**CAREER**
Resume, aptitude, mock GDs

05
**CERTS**
Wipro DICE ID accredited

06
**PARTNERS**
Microsoft, Cisco, IBM, Adobe

07
**LMS**
Lifetime personalised LMS

08
**SUPPORT**
24x7 dedicated mentors

09
**STIPEND**
Performance-based earnings

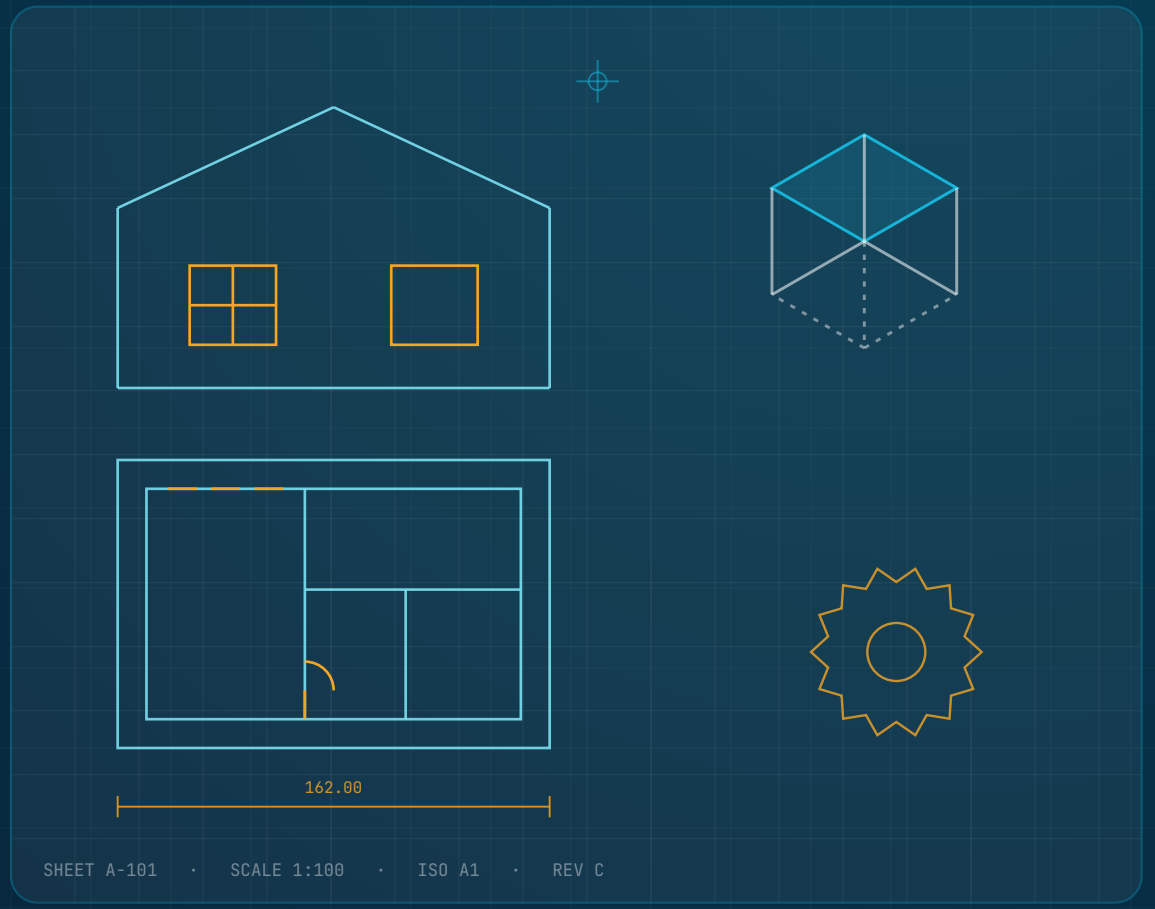
02 / THE SOFTWARE

# WHY AUTOCAD

The universal language of technical design

AutoCAD replaces the drawing board with digital precision — exact geometry, parametric constraints, layered documentation and data that flows straight into manufacturing and construction. It is the interchange standard across architecture, civil, mechanical, electrical and product design.

| | |
|---|---|
| **ARCHITECTURE** | Site layouts, floor plans, sections, GFC drawings |
| **CIVIL / STRUCTURAL** | Steel detailing, reinforcement, road & drainage profiles |
| **MECHANICAL** | Part drawings, assemblies, GD&T, sheet-metal flat patterns |
| **ELECTRICAL / MEP** | Panel schematics, cable schedules, HVAC & plumbing routing |
| **INTERIOR & PRODUCT** | Joinery details, furniture layouts, shop drawings |



# CORE DRAFTING

PHASE 01 · WEEKS 1–4

Precision 2D fundamentals & documentation

SESSION 01

## FOUNDATION

- Drafting standards & ISO sheets
- Install, licensing, workspaces
- UI, ribbon, command line
- Templates & unit systems

SESSION 02

## GEOMETRY

- Line, polyline, spline
- Circle, arc, ellipse, polygon
- Cartesian & polar coordinates
- Object snaps and tracking

SESSION 03

## SELECTION & EDIT

- Move, copy, rotate, mirror
- Offset, scale, array (path/polar)
- Trim, extend, fillet, chamfer
- Stretch, break, join, overkill

SESSION 04

## ORGANISATION

- Layer standards & filters
- Linetypes, lineweights, plot styles
- Blocks, groups, properties
- Match properties & QSELECT

SESSION 05

## ANNOTATION

- Dimension & multileader styles
- Annotative scaling
- Text, tables, fields
- Hatch, gradients, boundaries

SESSION 06

## OUTPUT

- Model vs paper space
- Viewports & viewport scales
- Page setup, CTB/STB plotting
- PDF/DWF publishing & batch plot

# ADVANCED CAD

PHASE 02 · WEEKS 5-8

Parametrics, data, collaboration & automation

SESSION 07

## DYNAMIC BLOCKS

- Parameters, actions, states
- Visibility & lookup tables
- Attributes & attribute sync
- Block libraries and palettes

SESSION 08

## PARAMETRIC CAD

- Geometric constraints
- Dimensional constraints
- Constraint parameters manager
- Design-intent driven drawings

SESSION 09

## DATA & BIM LINKS

- Data extraction to Excel
- Data links & live tables
- Fields, sheet sets, transmittals
- External references & clipping

SESSION 10

## COLLABORATION

- Xref overlays vs attach
- DWG compare & markup import
- Cloud drawings, Autodesk Docs
- Standards checker & audit/purge

SESSION 11

## AUTOMATION

- Action recorder & scripts
- CUI customisation, custom tools
- AutoLISP fundamentals
- Batch plotting & QA routines

SESSION 12

## PERFORMANCE

- Drawing recovery & repair
- File size and layer audits
- Template & titleblock systems
- Team drafting standards (CAD manual)

# 3D + SPECIALISATION

PHASE 03 · WEEKS 9–11

Modelling, visualisation, toolsets & BIM

SESSION 13

## 3D FOUNDATIONS

- 3D workspace, UCS & gizmos
- Visual styles & navigation
- Extrude, revolve, sweep, loft
- Solid booleans & editing

SESSION 14

## SURFACE & MESH

- NURBS surfaces & blends
- Mesh modelling and smoothing
- Sectioning & flatshot
- 3D to 2D drawing generation

SESSION 15

## VISUALISATION

- Materials & mapping
- Lighting, sun studies, cameras
- Rendering & presets
- Walkthrough animations

SESSION 16

## SPECIALISED TOOLSETS

- AutoCAD Mechanical: BOM & GD&T
- AutoCAD Electrical: schematics
- Plant 3D & P&ID basics
- Architecture & MEP toolsets

SESSION 17

## BIM INTEROP

- DWG ↔ Revit workflows
- Navisworks clash review basics
- Civil 3D surfaces & alignments
- IFC / GIS map data import

SESSION 18

## CAREER LAUNCH

- Autodesk Certified User prep
- Portfolio & drawing-set review
- Mock interviews & GDs
- Freelance & bidding on CAD work

# SIX INDUSTRY PROJECTS

Portfolio-grade deliverables, reviewed by mentors

## P1 G+3 RESIDENTIAL SET

Complete architectural drawing set: site plan, floor plans, elevations, sections, door/window schedules, plotted to A1 with sheet sets.

DELIVERABLE: DWG + PDF SET + REVIEW

## P2 INDUSTRIAL PLANT LAYOUT

Factory layout with machine footprints, material flow, clearance zones, xref-linked services and annotative scaling.

DELIVERABLE: DWG + PDF SET + REVIEW

## P3 MECHANICAL ASSEMBLY

Multi-part assembly with exploded views, GD&T, BOM auto-extracted from block attributes to Excel.

DELIVERABLE: DWG + PDF SET + REVIEW

## P4 ELECTRICAL SCHEMATIC

Single-line diagram, panel layout, cable schedule and load chart using dynamic blocks and data links.

DELIVERABLE: DWG + PDF SET + REVIEW

## P5 3D BUILDING + RENDER

Solid/surface model, materials, lighting, camera walkthrough and photoreal render output.

DELIVERABLE: DWG + PDF SET + REVIEW

## P6 AUTOLISP AUTOMATION

Custom toolset: batch plotting, layer standards enforcement, auto title-block filling and drawing QA script.

DELIVERABLE: DWG + PDF SET + REVIEW

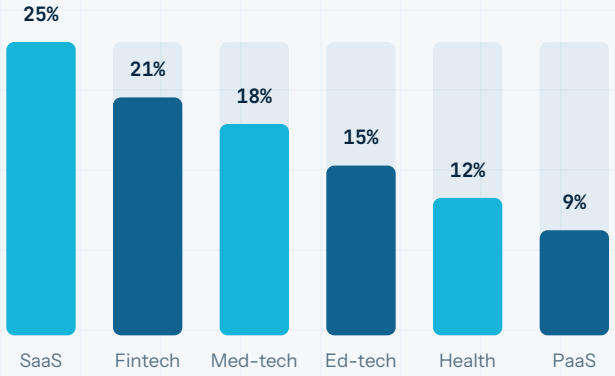
# CAREERS & PLACEMENTS

Where our AutoCAD learners land

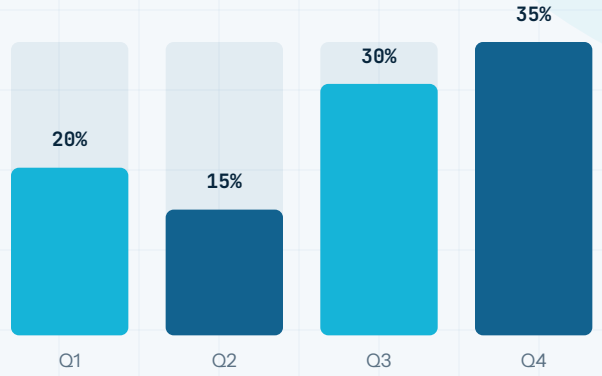
## ROLES YOU QUALIFY FOR

| | |
|---|---|
| CAD Drafter / Detailer | R01 |
| Design Engineer (Mech) | R02 |
| Civil / Structural Draftsman | R03 |
| Interior & Architectural Designer | R04 |
| BIM Coordinator | R05 |
| Product / Industrial Designer | R06 |
| Plant Layout Engineer | R07 |
| CAD Automation Specialist | R08 |
| Project & Design Manager | R09 |

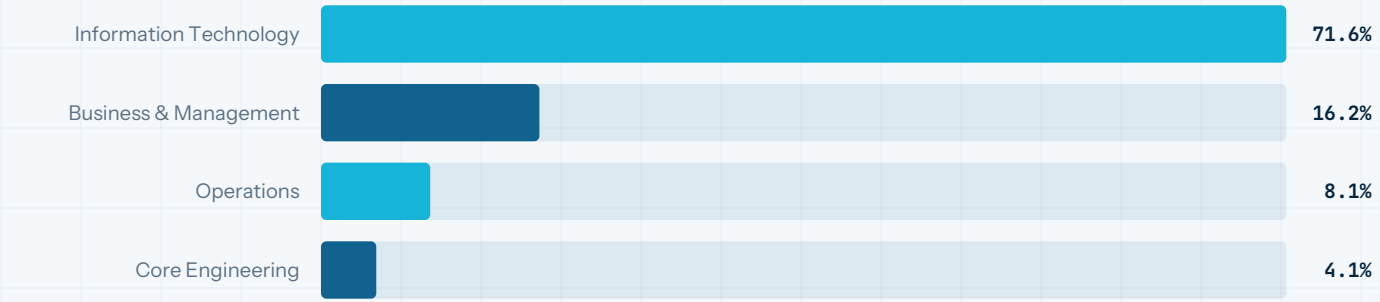
## PLACEMENTS BY INDUSTRY




## QUARTERLY PLACEMENT SPLIT




## OFFERED PROFILES BY FIELD



# ACCREDITED CERTIFICATIONS.

Every learner receives industry-recognised, accredited certificates on completion of the internship, industrial training and capstone project modules.




## INTERNSHIP CERTIFICATE

Accredited Certification




## INDUSTRIAL TRAINING

Accredited Certification




## PROJECT COMPLETION

Accredited Certification

### INTERNSHIP

Verified internship completion credential

### TRAINING

Industrial training hours certified

### PROJECT

Capstone project completion proof

# GLOBAL MNC CERTIFICATIONS.

Learners are prepared for and certified through globally recognised professional certification programs from leading technology companies.




CISCO

Cybersecurity CCST




MICROSOFT

Azure Fundamentals




IBM

Internet of Things




AUTODESK

Certified User




ESB

Entrepreneurship

## CERTIFIED BY THE WORLD'S LEADING TECHNOLOGY COMPANIES

Exam preparation, vouchers and on-campus testing are included in the program.

# AUTHORISED PARTNERS.

Edufyi Tech Solutions is an authorised certification and testing partner for the world's leading technology certification bodies.

ADOBE

MICROSOFT

QUICKBOOKS

AUTODESK

CISCO

ESB

## AUTHORISED TESTING & CERTIFICATION CENTRE

Certify on campus with globally accepted credentials.

# CERTIFY. BUILD. GET HIRED.

- Wipro DICE ID Certified
- Microsoft Azure Fundamentals
- Cisco Cybersecurity CCST
- IBM Internet of Things
- Adobe Certified Professional
- Autodesk Certified User
- ESB Entrepreneurship
- QuickBooks Certified User

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