HEXINOX

CIVIL ENGINEERING

INDUSTRY READY CERTIFICATION PROGRAMME

AUTOCAD ADVANCED

ONLINE COURSE ON 2D & 3D CAD DESIGN



COHORT BASED | 10 MODULES | 2 CAPSTONE PROJECTS

HEXINOX

HEXINOX STORY

IN THE FIRST 7 MONTHS OF OUR JOURNEY



OUR GOAL

Empowering Youth, Fostering Opportunities

3850+

Students Upskilled

IN LAST 6 MONTHS

4.7

AVG. GOOGLE RATING
OUT OF 217+ REVIEWS

JUST IN H1 2025

5 Industry Training Programmes

CO-HOST EVENTS WITH

SCMS School of Engineering & Technology

AMRITA VISHWA VIDYAPEETHAM

MBITS

INDUSTRY MENTORS FROM

Google, CRED, TOYOTA, Trellix, Schneider Electric, ATLASSIAN, VOLVO, MG, BYD, SIEMENS, Concept Dash, DSA ARCHITECTS INTERNATIONAL



6+
CONTESTS HOSTED

2 LAKHS INR+ CASH PRIZE DISTRIBUTED



HEXINOX

THE HEXINOX EDGE

MENTORSHIP. COMMUNITY. OPPORTUNITIES.



Live Online MasterClasses by Industry Experts from Top Firms

Discord Server For Every Course
With Peers, Mentors & Subject Experts

Resume & Portfolio Building MasterClass



Success Mentors
To Keep You In Check & Provide Assistance

Weekend Doubt Clearance Sessions with Subject Experts



WHY **AUTOCAD**?

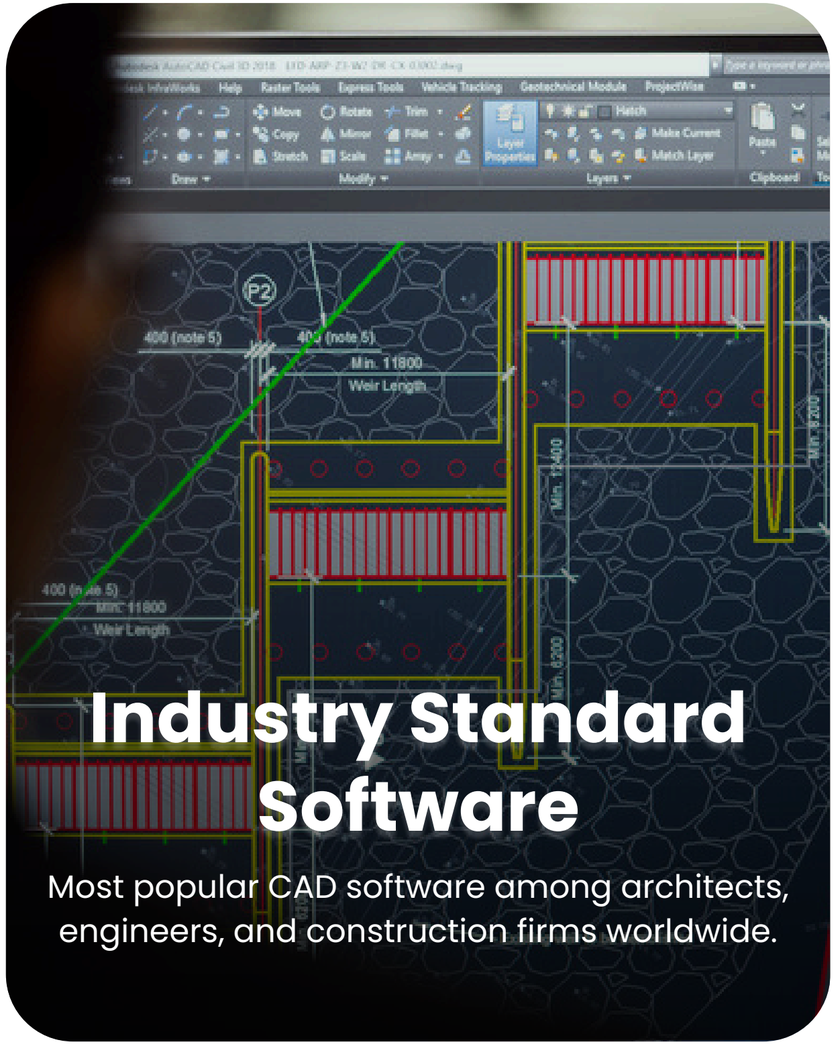
HEXINOX

Precision & Accuracy

Create highly accurate and detailed 2D drawings and 3D models with exact measurements with widest range of tools.

Make Designs Faster

Speeds up design drafting process with automation, templates, and libraries.



Industry Standard Software

Most popular CAD software among architects, engineers, and construction firms worldwide.

Career Advantage

Solid understanding & experience with AUTOCAD has become an essential skill for jobs in design, construction, and project planning.

Easier Collaboration & Support

AutoCAD's wide adoption makes it simple to share designs and get feedback from engineers and architects, anywhere in the world. Plus, you can easily find resources and community support when needed.

Versatality

AUTOCAD is a well-suited and flexible foundational software useful for drafting, detailing, 3D modeling, and rendering across multiple projects and industries.

EXTENSIVE **SYLLABUS**

HEXINOX

Introduction to AutoCAD M1

- Overview of AutoCAD for Civil Engineering
- Interface, navigation, and basic settings
- Units and scaling
- Coordinate systems (Absolute, Relative, Polar)

Basic Drawing Commands M2

- Lines, circles, arcs, and polygons
- Object selection and modification (Move, Copy, Rotate, Scale)
- Layers, colors, and line types
- Trim, Extend, Fillet, and Chamfer

Basic Drawing Commands M3

- Polylines, splines, and multi-lines
- Blocks and attributes
- Hatching and gradients
- Text and annotations

Dimensioning and Scaling M4

- Types of dimensions
- Dimension styles and settings
- Scaling drawings for plotting
- Annotative scaling

Civil Engineering-Specific Tools M5

- Contour lines and topographic mapping
- Road alignments and profiles
- Cross-sections and grading
- Site plans and layouts

Working with External References (Xrefs) M6

- Attaching and managing Xrefs
- Raster images and PDFs
- Importing survey data

EXTENSIVE **SYLLABUS**

HEXINOX

Layouts and Plotting M7

- Paper space vs. model space
- Setting up sheets and title blocks
- Printing and plotting with proper scales
- Exporting to PDF and other formats

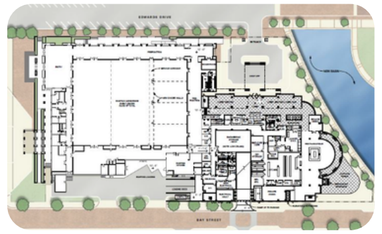
Introduction to 3D Modeling M8

- Basic 3D modeling tools
- Extrusion, loft, and revolve
- Civil engineering applications of 3D AutoCAD

Customization and Productivity Tools M9

- Customizing toolbars and shortcuts
- Using templates and standards
- Lisp routines and scripts

Project Based Learning M10

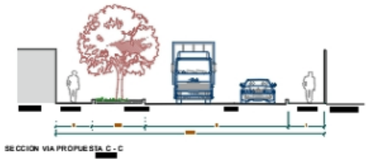


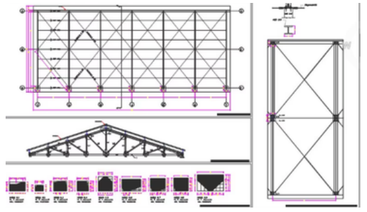
TUTORIAL ONE

Creating a
Complete Site Plan

TUTORIAL TWO

Designing a
Road & Drainage System





TUTORIAL THREE

Structural Drawing
(Beams, Columns, Footings)

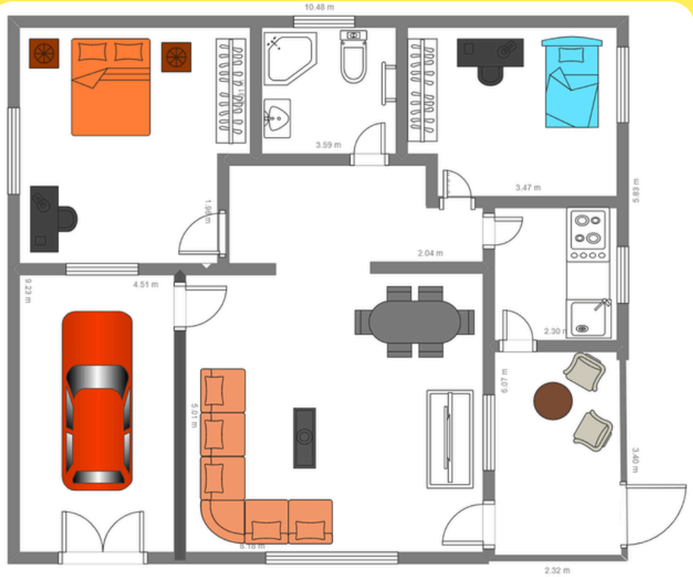
EXTRA ADDON

Real World Project Case Studies & Discussions

CAPSTONE **PROJECTS**

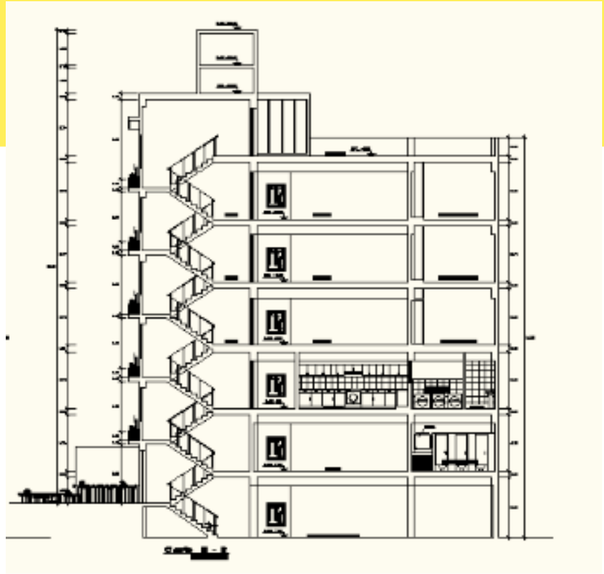
HEXINOX

Students are encouraged to complete the the capstone projects at the end of the course for **extra remarks on the completion certificate** and **to obtain free access to an upcoming offline civil engineering workshop**. The students will not just recieve feedback from experts on the project, but these projects will add value to their porfolio and showcase their mastery of AUTOCAD.



Residential Floor Plan

Design a single-story residential house with a 2BHK layout.



Multi-Story Commercial Building Design

Design G+4 Commericial Building with Floor Plans, Structural Detailing etc.

Images are for illustrative purpose only.

MAKE YOUR **LEAP**

ENROLL TODAY.

FEE

~~₹4,999~~ 70% OFF

₹1,499

LIMITED TIME OFFER

