

Inventateq

ADVANCED AUTOCAD 2D & AUTOCAD 3D COURSE CURRICULUM

YOUR JOB-HUNTING ENDS HERE

Start your career with **AutoCAD** course that gets your
Dream Job!

Become AutoCAD 2D & 3D Certified Professional

It is only skills and not degree that can help you grow. But if you are one of those individuals who believe in getting certified along with skills then we have got you covered. After completion of the training you will become an expert in AutoCAD 2D and AutoCAD 3D .

One Training Program 2 Certifications



AUTO CERTIFICATION Provided by AutoDESK
Company



Industry Recognized INVENTATEQ CERTIFICATION

GET TRAINING AND GET EMPLOYED



CLASS ROOM TRAINING



ONLINE TRAINING



CORPORATE TRAINING

12,409+
Trainees

500+
Batches

4.9/5
Ratings

12,409+ Success Stories

Here is what they say about INVENTATEQ.



Best training institute for Autocad 2D and 3D coaching. Trainers were good and very helpful. Friendly environment... Gained sufficient knowledge and confidence to crack any interview... As per my experience so far so good. Hoping the best to other students who are willing to join Inventateq. I would recommend this institute to everyone.

RAVI SHANKAR



Excellent institute for learning Auto CAD 2D and AutoCAD 3D. Trainers are friendly and informed and they provides good coaching. Will definitely recommends to other students.

Inventateq

PRATHYUSH



I joined for AutoCAD 2D and AutoCAD 3D the best thing is they are paying individual attention while practicing very co-operative staff doubts are cleared very easily. best place to learn, thank you Inventateq.

RAVI SHANKAR



Inventateq btm is one of the best institute to learn the engineering related software's and trainers are friendly to clear our doubts and even class timings are flexible even cost is also less when compared to other institutes, I will refer to join Inventateq.

MALIK NAGESH

12,409+ Success Stories

Here is what they say about INVENTATEQ.



I joined here for autocad 2D and autocad 3D. I had very nice experience, trainers are good, teaching is excellent material are very helpful my trainers are so supportive. One of the best AutoCAD training institution in Bangalore.

ANKUSH PATIL



Teaching is good with real time examples. Faculty helps us improve in every aspect in CAD 2D and CAD 3D. the assignments provided help to know more about the concepts. Thanks to Inventateq.

AKBAR AHAMAD



I'm Prasanna a student of Inventateq. it is good institute to learn civil and mechanical softwares. this institute having a good educational environment and the teaching staff is awesome. I learnt here a lot. and going to miss Inventateq.

PRASANNA MS



Thanks to Inventateq, I joined for AutoCAD 2d and AutoCAD 3D training course, Trainer is really good knowledgeable person and is good in explaining details in depth with concepts.

SHIVASENKAR

TRAINING PROCESS



THEORY



PRACTICALS



ASSIGNMENTS



CERTIFICATION



RESUME PREPARATION



ATTEND INTERVIEW



YOU GOT THE JOB!

Detailed Course Syllabus

TABLE OF CONTENT

1	AUTOCAD 2D
2	AUTOCAD 3D

1. AUTO CAD 2D

Session 1

- Introduction to Engineering Drawings
- Projections (First & Third angle)
- Views (orthographic, Isometric & Perspective)
- Introduction to AutoCAD
- History
- Exploring GUI
- Workspaces
- Co-ordinate systems

Session 2

- File Management - New, Open, Save, Save as, Close, Exit, Quit
- Basic Drawing: Line, Circle
- Function Keys

Session 3

- Orthographic Views
- Drawing Tools: Arc, Ellipse, Polygon, Rectangle, Multiline, Pline, Xline,
- Modify Tools: Erase, oops, Undo, Redo, Explode, Move, Copy, Rotate, Mirror, Array, Scale, Trim, Extend, Chamfer, Fillet, Mline, Mlstyle

Session 4

- Display Control: Zoom, Pan, Redraw, Regen
- Object Properties: Color, Linetype, Lt scale, Lineweight, Properties, Matchprop

Session 5

- Annotation Tools: Text, Style, Mtext, Table
- Hatching utilities: Hatch, Hatchedit

Session 6

- Isometric View Drawings
- Perspective View Drawings: One Point & Two Point

Session 7

- Dimension - Linear, Aligned, Radius, Diameter, Center Mark, Angle, Arc length, Continues, Baseline, Dimension Style, Leader, Qleader
- Layer Management- Adding / Removing Layers, Layer Status, New Property Filter, New Group Filter, Layer Status Manager, Plot Control

Session 8

- Block Creation, Insert, Attribute (Attdef, Eattedit, Atttext)
- OLE - InsertOBJ
- Introduction to plotting, Layout, Mview, Page setup, Plot

02. AUTO CAD 3D

Section 1

Chapter1. Using rectangular 3D coordinates, the right-hand rule of drawing, displaying 3D views, 3D construction techniques, constructing wireframe objects, and constructing solid primitives.

Commands: PLAN, UCS, 3DORBIT, HIDE, BOX, SPHERE, CYLINDER, CONE, WEDGE, and TORUS.

Chapter2. Spherical coordinates, cylindrical coordinates, 3D polylines, working with the UCS, constructing accurate intersections, and guidelines for working with 3D models.

Commands: 3DPOLY and UCS.

Section 2

Chapter 3. Introduction to user coordinate systems, working with user coordinate systems, additional ways to change the UCS, managing user coordinate systems and displays, creating text with thickness, text and the UCS, and dimensioning in 3D.

Commands and variables: UCS, UCSICON, DUCSP, UC, UCSMAN, UCSFOLLOW, and PROPERTIES.

Section 3

Chapter 4. Understanding viewports, creating viewports, drawing in multiple viewports, regenerating viewports, and creating a standard engineering layout.

Commands and variables: VPORTS, MVIEW, CVPORT, UCSVP, and REGENALL.

Chapter 5. **PLAN** command options, dynamically changing a 3D view, and shading a 3D model.

Commands and variables: **PLAN**, **3DORBIT**, **3DDISTANCE**, **3DSWIVEL**, **3DCLIP**, **3DCORBIT**, **SHADEMODE**, and **RENDER**.

Section 4

Chapter 6. Overview of solid modeling, constructing solid primitives, creating composite solids, and working with regions.

Commands: **BOX**, **SPHERE**, **CYLINDER**, **CONE**, **WEDGE**, **TORUS**, **SUBTRACT**, **UNION**, **INTERSECT**, **INTERFERE**, **REGION**, **BOUNDARY**, and **AREA**.

Section 5

Chapter 7. Creating solid model extrusions, creating solid model revolutions, and using the **EXTRUDE** and **REVOLVE** commands as construction tools.

Commands: **EXTRUDE** and **REVOLVE**.

Chapter 8. Changing properties, aligning objects in 3D, 3D rotating, 3D mirroring, creating 3D arrays, filleting solid objects, chamfering solid objects, constructing details and features on solid models, and removing details and features.

Commands: **PROPERTIES**, **ALIGN**, **ROTATE3D**, **MIRROR3D**, **3DARRAY**, **FILLET**, and **CHAMFER**.

Section 6

Chapter 9. Overview of solid model editing, face editing, edge editing, body editing, and using **SOLIDEDIT** as a construction tool.

Commands: SOLIDEDIT.

Section 7

Chapter 10. Controlling solid model display, viewing the internal features of a solid model, creating and using multiview layouts, solid model analysis, and solid model file exchange.

Commands and variables: ISOLINES, DISPSILH, FACETRES, SECTION, SLICE, SOLVIEW, SOLDRAW, AMECONVERT, SOLPROF, MASSPROP, ACISOUT, EXPORT, ACISIN, IMPORT, and STLOUT.

Section 8

Chapter 11. Overview of surface modeling, creating 3D faces, creating invisible 3D face edges, and drawing surface primitives.

Commands: 3DFACE, AI_BOX, AI_WEDGE, AI_PYRAMID, AI_CONE, AI_DOME, AI_DISH, AI_SPHERE, and AI_TORUS.

Section 9

Chapter 12. 3D mesh techniques, constructing a 3D mesh, constructing a single-plane mesh, constructing a 3D polyface mesh, polygon mesh variations, constructing enclosed surfaces with **EDGESURF**, creating a surface mesh with **RULESURF**, constructing tabulated surfaces with **TABSURF**, constructing revolved surfaces with **REVSURF**, drawing wireframe holes, and surfacing around wireframe holes.

Commands: 3DMESH, AI_MESH, PFACE, EDGESURF, RULESURF, TABSURF, and REVSURF.

Section 10

Chapter 13. Using grips to edit surface models, trimming and extending objects in 3D, creating surfaced fillets and rounds, editing polygon meshes, and editing polygon meshes with grips.

Commands: TRIM, EXTEND, EDGE, and PEDIT.

Section 11

Chapter 14. Lights, creating scenes, rendering models, and rendering preferences and statistics.

Commands: LIGHT, SCENE, RENDER, RPREF, and STATS.

Section 12

Chapter 15. Creating surface finishes with materials; granite, marble, and wood; assigning materials to objects; using maps; mapping textures to objects; and material libraries.

Commands: RMAT, SETUV, and MATLIB.

Section 13

Chapter 16. Setting the icon scale, properties of lights, AutoCAD lights, shadows, simulating sunlight, adding a background, adding atmospheric fog, and landscaping (entourage).

Commands: RPREF, BACKGROUND, FOG, LSNEW, LSEDT, and LSLIB.

Section 14

Chapter 17. Introduction to raster and vector graphics, replaying image files, working with raster files, and working with vector files.

Commands: REPLAY, IMAGE, IMAGEATTACH, IMAGECLIP, IMAGEADJUST, IMAGEQUALITY, TRANSPARENCY, IMAGEFRAME, SAVEIMG, SAVEAS, DXFOUT, OPEN, DXFIN, EXPORT, WMFOUT, IMPORT, and WMFIN.



OUR HIRING PARTNERED COMPANIES LIST



Inventateq



POPULAR COURSES FROM INVENTATEQ



100% JOB ORIENTED TRAINING COURSES WE PROVIDE

❖ Digital Marketing (SEO/Social Media/PPC Google Adwords)	❖ BigData Hadoop Course	❖ Machine Learning Certification Training
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❖ AWS Training	❖ DevOps Training	❖ Artificial Intelligence Courses
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❖ Data Science Courses	❖ Weblogic Training	❖ Java course
❖ RPA Training	❖ .NET Technologies	❖ Software Testing Course, Manual Testing, QTP, UFT, Loadrunner
❖ Internet of Things IoT Training	❖ SOA Suite 11g	❖ C C++ Course
❖ Microsoft Azure Training	❖ Oracle DBA Training	❖ Tableau
❖ Data Warehousing - Informatica	❖ Oracle SQL, PLSQL, DBA, D2k, Apps	❖ PHP MYSQL, Python
❖ Selenium Training	❖ ETL Testing Course	❖ Human Resources Classes
❖ IBM Cognos 10 BI & Cognos TM1	❖ PPC Training Institute	❖ Microstrategy Course
❖ Qlikview (Designer, Developer, Publisher, Server)	❖ Autodesk Revit Training	❖ Cisco CCNA Networking
❖ IBM Websphere	❖ Autodesk CAD 2d and 3d Course	❖ SAS Training
❖ Learn ODI 11g	❖ Catia Training	❖ Softskill Courses
❖ Python Training	❖ Wiring Harness Training	❖ ITIL Certificate Training
❖ Abinitio Classes	❖ Content Writing Training	❖ SAP Courses
❖ Web Designing Course	❖ Siebel CRM Courses	❖ OBIEE
❖ Data Stage Classes	❖ Clear Case Training	

6 CENTERS AND COUNTING

BTM LAYOUT

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CHENNAI

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