

Inventateq

ADVANCED **CATIA V5** COURSE CURRICULUM

YOUR JOB-HUNTING ENDS HERE

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

Become CATIA 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 Catia.

One Training Program 3 Certifications



AUTOCAD CERTIFICATION Provided by AUTODESK



CATIA CERTIFICATION from Authorized 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 Catia 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 Catia. Trainers are friendly and informed and they provide good coaching. Will definitely recommends to other students.

PRATHYUSA

Inventateq



I joined for Catia and Revit arch 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 Catia. I had very nice experience, trainers are good, and teaching is excellent material are very helpful my trainers are so supportive. One of the best Catia institution in Bangalore.

ANKUSH PATIL



Teaching is good with real time examples. Faculty helps us improve in every aspect in Catia. 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 got job after completion of my Catia training course.

PRASANNA MS



Thanks to Inventateq, I joined for Catia 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!

Catia V5 Course Syllabus

Introduction to Catia V5

- What is CATIA V5
- Design Intent
- System Requirements
- Getting Started
- Understand the CATIA Interface
- Workbenches
- Menus and Toolbars
- Finding Tools
- Specification Tree
- Compass
- Graphic Properties
- Message Bar
- Document Management

Understanding View Manipulation

- Fly mode
- Fit All In
- Pan
- Rotate
- Zoom In
- Zoom Out
- Normal View
- Multi View
- Quick View
- View mode
- Hide/Show
- Swap Visible Space

Understanding Standard Toolbar

- New
- Open
- Save
- Save Management
- Print
- Cut
- Copy
- Paste
- Undo
- Redo

Sketcher

- Entering Sketcher Workbench
- Basic Sketching
- Positioned Sketching

Profile Creation Using

- Profile
- Predefined Profile
- Circle
- Spline
- Conic
- Line
- Point
- Axis

Understanding Sketch Tools

Creating Construction/ Standard Element

Applying Geometrical/ Dimensional Constraints

Understanding User Selection Filter toolbar

Understanding Visualization Toolbar

- Cut part by Sketch Plane
- 3D Element visualization
- 2D Element visualization
- Diagnostics
- Dimensional Constraints
- Geometrical Constraints

Editing Profile using

- Corner
- Chamfer
- Relimitations
- Transformation
- 3D Geometry

Understanding Constraints

- Constraints
- Constraint Creation
- Contact Constraint
- Fix together
- Auto Constraint
- Animate Constraint
- Edit Multi – Constraint

Sketch Analysis

Creating Sketch-Based Features

- Pad Definition
- Drafted Filleted Pad Definition
- Pocket Definition
- Drafted Filleted Pocket
- Shaft Definition
- Groove Definition
- Hole Definition

Creating Reference Element

- Plane Definition

Creating Sketch-based Feature

- Rib Definition
- Slot Definition
- Stiffener Definition
- Solid Combine Definition

Applying Dress-Up Features

- Edge Fillet Definition
- Variable Fillet Definition
- Chordal Fillet Definition
- Face-Face Fillet Definition
- Tritangent Fillet Definition
- Chamfer Definition

Creating Sketch-Based Features

- Multi-Sections Solid Definition
- Removed Multi-Section Solid Definition

Applying Dress-Up Features

- Edge Fillet Definition
- Variable Fillet Definition
- Chordal Fillet Definition
- Face-Face Fillet Definition
- Tritangent Fillet Definition
- Chamfer Definition

Creating Sketch-Based Features

- Multi-Sections Solid Definition
- Removed Multi-Section Solid Definition

Applying Dress-up Features

- Draft Definition
- Draft Reflect Line Definition
- Variable Angle Draft Definition
- Shell Definition
- Thickness Definition
- Thread/Tap Definition
- Remove/Replace Face Definition

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Creating Reference Element

- Plane Definition

Creating Sketch-based Feature

- Rib Definition
- Slot Definition
- Stiffener Definition
- Solid Combine Definition

Applying Dress-Up Features

- Edge Fillet Definition
- Variable Fillet Definition
- Chordal Fillet Definition
- Face-Face Fillet Definition
- Tritangent Fillet Definition
- Chamfer Definition

Creating Sketch-Based Features

- Multi-Sections Solid Definition
- Removed Multi-Section Solid Definition

Applying Dress-up Features

- Draft Definition
- Draft Reflect Line Definition
- Variable Angle Draft Definition
- Shell Definition
- Thickness Definition
- Thread/Tap Definition
- Remove/Replace Face Definition

Creating Surface-Based Features

- Split Definition
- Thick Surface Definition
- Close Surface Definition
- Sew Surface Definition

Creating Reference Element

- Point Definition
- Line Definition

Creating Transformation Features

- Transformation Definition
- Rotation Definition
- Symmetry Definition
- Axis to Axis Definition
- Mirror Definition
- Pattern – Rectangular/ Circular Pattern Definition
- Scale Definition

Applying Boolean Operations

- Assemble Definition
- Add Definition
- Remove Definition
- Intersect Definition
- Union Trim Definition
- Remove Lump Definition

Applying Advanced Dress-up Features

- Draft Both sides
- Advanced Draft
- Automatic Fillet
- Automatic Draft

Applying Advanced Dress-up Features

- Draft Both sides
- Advanced Draft
- Automatic Fillet
- Automatic Draft

Inserting new bodies

- Body
- Geometric Set
- Ordered Geometrical Set

Understanding Tools toolbar

- Update all
- Manual Update Mode
- Axis System
- Mean Dimensions
- Create Datum
- Only Current Body/ Only Current Operated Solid
- Catalogue Browser

Understanding Measure Toolbar

- Measure Between
- Measure Item
- Measure Inertia

Understanding Knowledge Toolbar

- Formula
- Relations
- Knowledge Inspector
- Lock
- Design Table
- Equivalent Dimensions

Apply Material

Data Exchange in CATIA

Assembly Design

- Understanding Top Down & Bottom Up Approach

Understanding Product Structure Tools

- New Component
- New Product
- New Part
- Existing Component
- Existing Component with Positioning

Understanding Constraints Toolbar

- Coincidence Constraints
- Contact Constraints
- Offset Constraints
- Angle Constraints
- Fix Component
- Fix Together
- Quick Constraint
- Flexible/Rigid Sub-Assembly
- Change Constraint
- Reuse Pattern

Understanding Move Toolbar

- Manipulation
- Snap/Smart Move
- Explode
- Stop Manipulate on Clash

Understanding Product Structure Tools

- Replace Component
- Graph tree Reordering
- Generate Numbering
- Selective Load
- Manage Representations
- Multi Instantiation

Sheet metal Design

- Understanding Sheet metal Parameters

Understanding Views Toolbar

- Fold/Unfold
- Multi viewer
- Views Management

Creating Walls

- Wall
- Wall on Edge
- Extrusion
- Swept Walls- Flange, Hem, Tear Drop, User Flange

Creating Rolled Walls

- Hopper
- Free from Surface
- Rolled Wall

Understanding Bending Operations

- Bend / Conical Bend
- Bend from Flat
- Unfolding/ Folding
- Point or Curve Mapping

Recognize Definition

Understanding Cutting Operations

- Cut-out
- Circular cut-out
- Hole
- Corner Relief
- Corner
- Chamfer

Understanding Stamping Operations

- Surface Stamping
- Bead
- Curve Stamping
- Flanged Cut out
- Louver

Understanding Cutting Operations

- Cut-out
- Circular cut-out
- Hole
- Corner Relief
- Corner
- Chamfer

Understanding Stamping Operations

- Surface Stamping
- Bead
- Curve Stamping
- Flanged Cut out
- Louver
- Bridge
- Flanged Hole
- Circular stamp
- Stiffening rib
- Dowel
- User Stamp

Understanding Transformation Operations

- Mirror
- Rectangular Pattern
- Circular Pattern
- User Pattern
- Translation
- Rotation
- Symmetry
- Axis to Axis

Surface Design

Understanding Wireframe Toolbar

- Point, Point and Planes Repetition
- Line, Axis, Polyline
- Plane, Planes Between
- Projection
- Intersection
- Circle, Corner, Connect
- Spline, Helix

Creating Surfaces

- Extruded Surface Definition
- Revolution Surface Definition
- Sphere Surface Definition

Trim & Split Definition

Creating Surfaces

- Cylinder Surface Definition
- Offset Surface Definition
- Fill Surface Definition
- Multi-Sections Surface Definition
- Blend Definition

Understanding Operations Toolbar

- Join
- Healing
- Untrim
- Disassemble

Creating Sweep Surface

Swept Surface Definition using profile type: -
Explicit, Line, Circle, Conic

Understanding Operations Toolbar

- Extract
- Transformations Commands
- Extrapolate
- Near/Far

Analysis

- Connect Checker Analysis

Drafting

Creating New Drawing File

Creating Projection Views

- Front view
- Un folded view
- View from 3D
- Projection
- Auxiliary
- Isometric
- Advanced Front view

Creating Sectional Views

- Offset Section view
- Aligned Section view
- Offset Section Cut
- Aligned Section Cut

Creating Details Views

- Detail
- Sketched Detail Profile
- Quick Detail
- Sketched Quick Detail Profile

Creating Details Views

- Detail
- Sketched Detail Profile
- Quick Detail
- Sketched Quick Detail Profile

Creating Clipping View

- Clipping
- Sketched Clipping Profile
- Quick Detail
- Sketched Quick Clipping Profile

Creating Broken View

Creating Broke out View

Creating Wizard

Adding Drawing Sheets

- Sheets
- New View
- Instantiate 2D Component

Deriving Annotations

- Generate Dimension
- Generate Dimension Step by Step
- Balloon Creation
- Bill of Materials
- Advanced Bill of Materials

Applying Dimensioning

➤ Creating Dimensions Using

- Dimensions
- Chained Dimensions
- Cumulated Dimensions
- Stacked Dimensions
- Length Dimension
- Angle Dimension
- Radius Dimension
- Diameter Dimension
- Chamfer Dimension
- Thread Dimension
- Co-ordinate Dimension
- Hole Dimension Table
- Co-ordinate Dimension Table

➤ Dimension Edition Using

- Re-route Dimension
- Create Interruption(s)
- Remove Interruption(s)
- Create/Modify Clipping
- Remove Clipping

➤ Understanding Tolerancing Toolbar

- Datum Feature
- Geometrical Feature

Understanding Annotations Toolbar

- Text
- Symbols
- Table
- Add Leader

Understanding Dress up Toolbar

- Axis and Thread
- Area Fill
- Arrow

Understanding Geometry creation Toolbar

- Points
- Line
- Circle and Ellipse
- Profiles
- Curves

Understanding Geometry modification Toolbar

- Relimitations
- Transformation
- Constraints

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Inserting Frame and Title Block

Learning Realtime Rendering Workbench



OUR HIRING PARTNERED COMPANIES LIST



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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
❖ Best SEO Training	❖ Spark and Scala Course	❖ Block Chain Training Courses
❖ AWS Training	❖ DevOps Training	❖ Artificial Intelligence Courses
❖ Cloud Computing Training	❖ Angularjs and Node JS Training	❖ Tally ERP & GST Accounting classes
❖ 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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