INVENTATEQ
LEARN SKILLS • GET PLACED

MASTER ASPEN HYSYS
COURSE With Placement

Build In-Demand Professional Expertise with Real-Time Hands-on Aspen Hysys Training

BEST RATED ON TOP PLATFORMS

Google Reviews ★★★★★ · Trustpilot ★★★★★ · Sulekha ★★★★★

COURSE BENEFITS

- ✓ 100% Practical & Real-Time Hands-on Labs
- ✓ End-to-End Capstone Implementation Projects
- ✓ Industry Recognized Certification Preparation
- ✓ 100% Dedicated Placement Support in MNC's & Mock Interviews

15+ YEARS OF EXCELLENCE | 500+ HIRING PARTNERS | 25K STUDENTS TRAINED | 15K STUDENTS PLACED

Chat on WhatsApp
FREE Career Counselling
+91 85500 00909

YOUR FUTURE
STARTS HERE !

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ARE YOU FACING THESE CHALLENGES ?

- Still searching for your first job after graduation?
- Worried about the Gap? And don't know how to start your career?
- Stuck in a low-salary job? and seeking for better growth opportunities?
- Fear of switching to an IT career from a non-IT background
- Not getting interview calls despite applying to 100+ jobs?

TOO MUCH THEORY
NO PROJECTS
SKILL GAP
NO GUIDANCE
?

How Inventateq Helps You

Waiting Ends. Careers Begin.
Build job-ready skills. Start applying with confidence.

Turns Gaps into Comebacks
Close skill gaps. Rebuild your career

Break Free. Move Forward
Learn in-demand skills. Take your next career step.

Doubt Out. Confidence In.
Practice real skills. Walk into interviews prepared.

Turn Rejections into Chances
Turn every setback into skills employers value.

Be Smart Learn AI
Learn AI tools. Work smarter. Stay updated

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ABOUT INVENTATEQ

Inventateq is a leading IT training and placement company committed to transforming learners into Industry ready professionals

Our Mission
To deliver high-quality education, practical slots and career opportunities that empower individuals to achieve their dreams

Our Vision
To be a globally recognised training company known for innovation, quality and impactful learner outcomes.

Why Thousands Choose Inventateq?

15+ Years of Excellence | 500+ Hiring Partners | 25,000+ Students Trained | 15,000+ Students Placed

We Collaborate With

Deloitte. · Capgemini · amazon · HCL · Tech Mahindra

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WHY LEARN ASPEN HYSYS ?

Enterprises worldwide are actively hiring certified Aspen Hysys professionals to drive critical business operations, digital transformation, and modernization.

CAREER SCOPE OF ASPEN HYSYS

Exponential Industry Demand
Rapid enterprise adoption across global IT firms, MNCs, and technology centers

Premium Salary Compensation
Command competitive compensation packages with rapid growth milestones

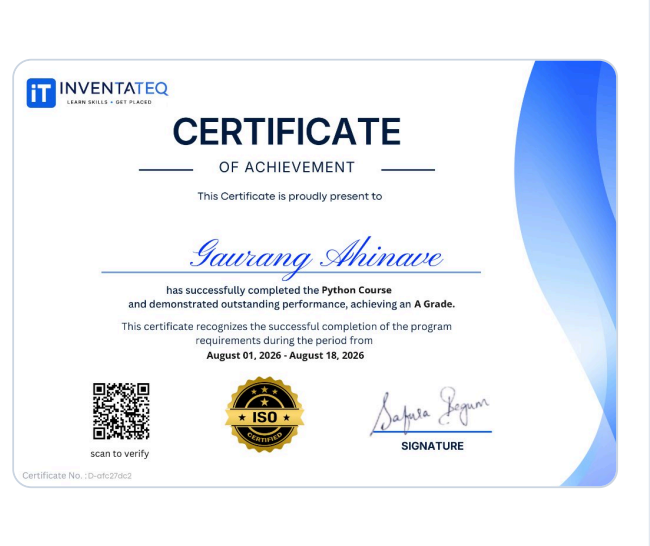
Cross-Industry Opportunities
Versatile skill set applicable across technology, consulting, finance, and core sectors

Future-Proof Career Growth
Long-term job security supported by ongoing digital modernization and tooling investment

Global Certification Pathways
Direct alignment with recognized industry certifications to validate your competence

Worldwide Job Prospects
Open doors to roles in major Indian tech hubs as well as international remote positions

INDUSTRY-RECOGNIZED CERTIFICATION



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CERTIFICATE
OF ACHIEVEMENT
This Certificate is proudly present to
Gaurang Ahinave
has successfully completed the Python Course and demonstrated outstanding performance, achieving an A Grade.
This certificate recognizes the successful completion of the program requirements during the period from August 01, 2026 - August 18, 2026
scan to verify
ISO
SIGNATURE

QR Verified · Globally Valid · ISO 9001:2015

Core Engineering & Manufacturing Demand. Automotive & Infrastructure Roles.

Average Aspen Hysys Design Engineer Salary in India

₹5.0 LPA – ₹16 LPA

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WHY INVENTATEQ ?

Because we have placed over 15,000+ students and we can place you as well

STUDENT PLACEMENTS

- ✓ 100% Placement Assurance Support
- ✓ 500+ Top Tech Hiring Partners
- ✓ Resume & LinkedIn Optimization
- ✓ Industry Mock Technical Interviews
- ✓ Unlimited Interview Calls Until Placed

COURSE & PLACEMENT VIDEOS

Student Genuine Feedback
Inventateq Reviews & Student Genuine Feed...
Inventateq Bangalore Reviews
Watch Video

Practical Training Success
Autocad Classes in Bangalore, Best Catia Cour...
Industry Tech Career
Watch Video

Placement Story
Ananya's Placement Success Story | AI Course ...
Campus to MNC Offer
Watch Video

Interview Skills & Growth
Free Interview Skills Development Classes for...
Free Student Masterclass
Watch Video

> At Inventateq, Your Success is Our Mission !

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GUARANTEED PLACEMENT SUPPORT

We don't just teach, we prepare you for the real world!

- ✓ Aptitude Training
- ✓ Technical Training
- ✓ Mock Interviews
- ✓ HR Interview Preparation
- ✓ Resume Preparation
- ✓ Cover Letter Preparation
- ✓ LinkedIn Profile Optimisation
- ✓ Job Portal Access
- ✓ Placement Drives & Hiring Events

OUR RECRUITMENT PARTNERS

TATA · Infosys · wipro · Capgemini · Tech Mahindra · LARSEN & TOUBRO · HCL TECH · accenture

OUR PLACEMENT STATS

Our placement record reflects consistent growth, with students securing opportunities across leading companies in diverse industries.

15,000+ Students Placed | 500+ Companies Hired | 95% Placement Ratio | 6 LPA Average Package

Check Most Recent Placements

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CAREER PROGRESSION

Job responsibilities, technical competency and portfolio evidence for each role.

ROLE PATHWAY	TYPICAL RESPONSIBILITIES	PORTFOLIO PROOF
Aspen Hysys Associate	Manage core Process Simulation tasks, configure tooling, and support delivery.	Practical Process Simulation setup files, exercise scripts, and documentation.
Aspen Hysys Specialist	Build practical Thermodynamics workflows, implement features, and resolve issues.	Functional Thermodynamics modules, workflow configs, and practical deliverables.
Senior Aspen Hysys Lead	Lead Aspen Hysys technical delivery, design solutions, and set standards.	Complete Aspen Hysys capstone artifacts, technical blueprints, and reports.

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SKILLS ROADMAP

Progress from core foundations to production-ready enterprise workflows.

MILESTONE	PRACTICAL OUTPUT	REVIEW EVIDENCE
Milestone 1 (Foundations)	Master fundamental Process Simulation concepts, environment setup, and tools.	Configured Process Simulation workspace and verified practice exercises.
Milestone 2 (Implementation)	Develop practical Thermodynamics workflows and functional domain modules.	Working Thermodynamics project modules and validated practice outputs.
Milestone 3 (Advanced Workflows)	Implement advanced Columns features, integrations, and optimizations.	Validated Columns configurations and technical review outputs.
Milestone 4 (Production Capstone)	Deliver an end-to-end Aspen Hysys capstone project and technical review.	Complete Aspen Hysys project portfolio artifact and defense.

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DETAILED MODULE PLAN

10 in-depth modules • 3 Months Duration • Hands-on practical training

1 Module 1: Process Simulation

- Foundations
- Role of process simulation in chemical and process industries
- How Aspen HYSYS supports design,
- analysis, troubleshooting, and optimization
- Understanding steady-state simulation thinking and plant process representation
- Reading process flow diagrams and
- engineering context for simulation work

GUIDED LAB
Build a simple decision script that checks user input and repeats actions automatically.

INTERVIEW & ASSESSMENT
Explain when to use loops versus if-else conditions in simple words.

2 Module 2: Aspen HYSYS Interface and Case Setup

- User interface, simulation environment, properties environment, and case structure
- Creating a new case, selecting components, and organizing simulation files
- Understanding streams, units, templates, and workspace navigation
- Building disciplined setup habits for accurate process models

GUIDED LAB
Build a simple decision script that checks user input and repeats actions automatically.

INTERVIEW & ASSESSMENT
Explain when to use loops versus if-else conditions in simple words.

3 Module 3: Thermodynamics and Fluid Packages

- Role of thermodynamic models in process simulation accuracy
- Selecting fluid packages based on
- hydrocarbons, gases, and process conditions
- Understanding phases, equilibrium, and property-calculation behavior
- How wrong property methods affect
- simulation results

GUIDED LAB
Complete a guided practical exercise on Role of thermodynamic models in and verify your results.

INTERVIEW & ASSESSMENT
Explain the core purpose of Role of thermodynamic models in and how you use it in real job roles.

4 Module 4: Material and Energy

- Streams
- Defining feed conditions, composition, pressure, temperature, and flow rates
- Understanding stream tables and
- process-data interpretation
- Using material and energy streams to connect process equipment logically
- Verifying stream information before building complex simulations

GUIDED LAB
Complete a guided practical exercise on Streams and verify your results.

INTERVIEW & ASSESSMENT
Explain the core purpose of Streams and how you use it in real job roles.

5 Module 5: Unit Operations – Core Equipment

- Simulating mixers, splitters, heat exchangers, valves, separators, and pumps
- Understanding parameter inputs and result interpretation for unit operations
- How equipment-level simulation supports plant-style engineering decisions
- Connecting unit-operation behavior with real process performance

GUIDED LAB
Build a simple decision script that checks user input and repeats actions automatically.

INTERVIEW & ASSESSMENT
Explain when to use loops versus if-else conditions in simple words.

6 Module 6: Columns and Advanced Separation Awareness

- Distillation-column fundamentals and separation-process simulation basics
- Absorbers, strippers, and
- column-specification awareness
- Reboilers, condensers, stages, and
- convergence considerations
- How separation design impacts efficiency and product quality

GUIDED LAB
Complete a guided practical exercise on Distillation-column fundamentals and separation-process simulation and verify your results.

INTERVIEW & ASSESSMENT
Explain the core purpose of Distillation-column fundamentals and separation-process simulation and how you use it in real job roles.

7 Module 7: Reactions and Reactor Modeling

- Reaction definitions, stoichiometry
- awareness, and reactor-simulation basics
- Using reactor blocks conceptually for process design and analysis
- Understanding conversion, yield, selectivity, and reaction-data implications
- How simulation supports
- process-development and operating decisions

GUIDED LAB
Build a simple decision script that checks user input and repeats actions automatically.

INTERVIEW & ASSESSMENT
Explain when to use loops versus if-else conditions in simple words.

8 Module 8: Utilities, Recycles, and Convergence

- Managing recycle loops, design specs, and solver behavior
- Using utilities and supporting calculations in complete process models
- Convergence challenges and structured troubleshooting approaches
- Building stable simulations for multi-unit process flows

GUIDED LAB
Build a simple decision script that checks user input and repeats actions automatically.

INTERVIEW & ASSESSMENT
Explain when to use loops versus if-else conditions in simple words.

9 Module 9: Optimization and

- Engineering Interpretation
- Sensitivity studies, parameter changes, and optimization awareness
- Interpreting simulation outputs for engineering recommendations
- Using HYSYS models to support efficiency, capacity, and energy decisions
- Relating technical outputs to real plant and project discussions
- Career Opportunities

GUIDED LAB
Build a simple decision script that checks user input and repeats actions automatically.

INTERVIEW & ASSESSMENT
Explain when to use loops versus if-else conditions in simple words.

10 Module 10: Real Project Workflow

- Building a realistic process flowsheet from basis definition to final results
- Applying thermodynamics, streams, unit operations, and analysis together
- Preparing simulation results for review, interviews, or engineering discussion
- Project output aligned with process-design and operations-support roles
- Process Engineer Trainee
- Simulation Engineer
- Chemical Process Analyst
- Plant Operations Support Engineer

GUIDED LAB
Complete an end-to-end practical project bringing together everything you built in this course.

INTERVIEW & ASSESSMENT
Present your completed project and explain your key design decisions with confidence.

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REAL-WORLD PORTFOLIO PROJECTS

Practical industry scenarios, tools applied, and demonstrable project outcomes.

Project 1: Process Engineer Trainee

What it is: Set up the core Process Simulation environment and configure essential business settings.
What you do: Initialize base configurations, create clean templates, and verify workflow controls.
Tools used: Aspen Hysys, Process Simulation, Role process simulation
Project outcome: Working project foundation configured and tested according to best practices.

Project 2: Simulation Engineer

What it is: Build practical Thermodynamics Fluid Packages modules to handle everyday business operations.
What you do: Create core functional components, validate input data, and prevent common errors.
Tools used: Aspen Hysys, Thermodynamics Fluid Packages, Role thermodynamic models
Project outcome: Functional business module ready to run and demo with zero manual errors.

Project 3: Chemical Process Analyst

What it is: Connect Operations Equipment with Simulating mixers splitters to automate data and team workflows.
What you do: Set up automated pipelines, link required services, and run end-to-end tests.
Tools used: Aspen Hysys, Operations Equipment, Simulating mixers splitters
Project outcome: Live automated workflow pipeline documented with clear usage guides.

Project 4: Plant Operations Support Engineer

What it is: Optimize Reactions Reactor Modeling workflows for security, speed, and reliability.
What you do: Audit performance bottlenecks, apply security rules, and optimize execution speed.
Tools used: Aspen Hysys, Reactions Reactor Modeling, Reaction definitions stoichiometry
Project outcome: Production-grade technical deliverable ready to add to your personal portfolio.

Project 5: Aspen Hysys End-to-End Capstone

What it is: Build a complete, production-ready Aspen Hysys project bringing all skills together.
What you do: Design, code, test, and document a full project workflow from scratch to launch.
Tools used: Aspen Hysys, Optimization, Engineering Interpretation
Project outcome: Verified capstone project ready to showcase on your resume and interview calls.

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ASSESSMENT FRAMEWORK

Module tests, practical evaluations, capstone and completion criteria.

COMPONENT	ASSESSMENT FOCUS	PASS EVIDENCE
Module Knowledge Quizzes	Core Process Simulation principles, industry terminology, and workflow concepts	Consistent passing score across syllabus unit evaluation tests
Lab Submissions & Practice Reviews	Hands-on Thermodynamics implementation, configuration, and practical exercises	Working lab deliverables satisfying practical evaluation rubrics
Hands-On Mini Projects	Independent problem-solving using intermediate Columns techniques	Functional project artifacts addressing realistic domain scenarios
Final Production Capstone	End-to-end Aspen Hysys implementation, quality review, and delivery	Complete capstone submission with technical walkthrough review
Technical Mock Viva	Technical reasoning, troubleshooting approaches, and communication	Successfully defending project decisions in structured mock panels

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RESUME, GITHUB & LINKEDIN

Evidence-based resume writing and professional project presentation.

- Modular GitHub repository per project with setup steps, dependencies, and clean commits.
- Detailed Process Simulation diagrams, component specifications, and end-to-end workflows.
- Visual project sheets, live demonstration walkthroughs, and verified functional outputs.
- Project documentation covering Thermodynamics setup, configuration steps, and test notes.
- Direct resume bullet points highlighting hands-on Aspen Hysys tools and technical outcomes.
- Structured practice for technical interview pitches, walkthroughs, and viva defense.

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OUR STUDENT

Meet the learners who turned their goals into successful careers through dedication, skill, and continuous growth.

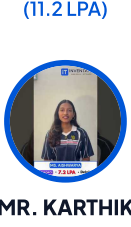
READ REVIEWS

MS. SNEHA
Placed at Wipro (9.5 LPA)

"The hands-on practical training at Inventateq gave me the exact skills needed to advance my career. The mentors were always available to guide me through complex topics!"
Course Completed : **Aspen Hysys Specialist** ★★★★★

MR. HARSHIT
Placed at Accenture (11.2 LPA)

"Inventateq's industry-aligned curriculum and capstone projects set them apart. The mock interviews and placement assistance helped me land my dream offer."
Course Completed : **Aspen Hysys Specialist** ★★★★★

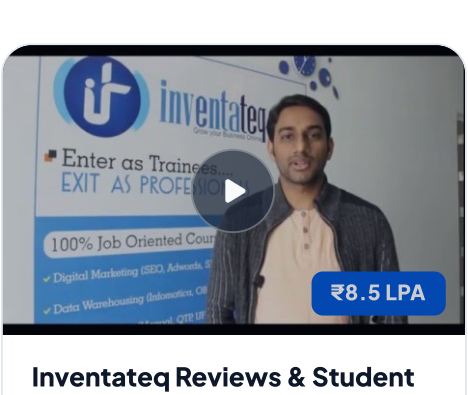


MR. KARTHIK
Placed at Capgemini (10.5 LPA)

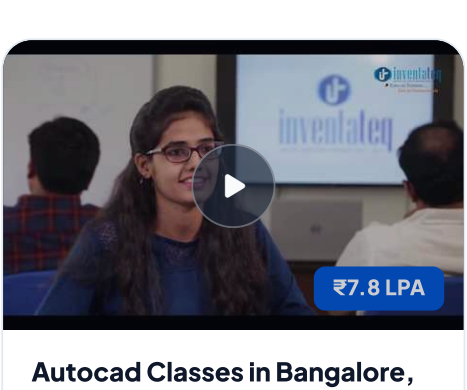
"Learning practical enterprise tools with 1-on-1 guidance made all the difference. Having a polished portfolio gave me immense confidence in interviews!"
Course Completed : **Aspen Hysys Specialist** ★★★★★

WATCH VIDEOS

Watch real stories from our students as they talk about their journey, growth, and placement success.



Inventateq Reviews & Student Genuine Feedback Bangalore
Course Video 1 • Student Feedback
Watch Story



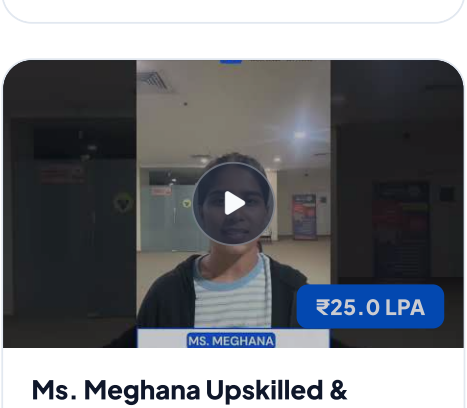
Autocad Classes in Bangalore, Best Catia Course Near Me with Job Support
Course Video 2 • Student Feedback
Watch Story

₹9.2 LPA
MS. ANANYA

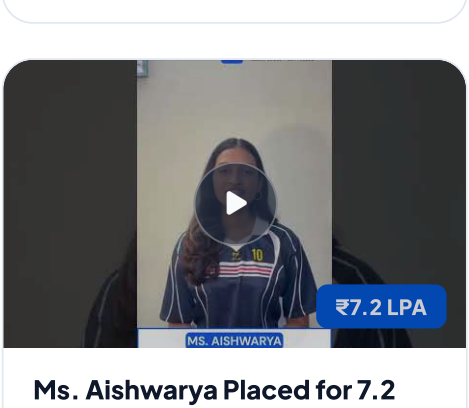
Ananya's Placement Success Story | AI Course | 6.5 LPA at Accenture| Inventateq
Course Video 3 • Student Feedback
Watch Story

Classes @ INVENTATEQ.COM
₹6.8 LPA

Free Interview Skills Development Classes for Freshers & College Students
Course Video 4 • Student Feedback
Watch Story



Ms. Meghana Upskilled & Placed at 25 LPA
Top Offer • Enterprise Consultant
Watch Story



Ms. Aishwarya Placed for 7.2 LPA Package
Verified Offer • Software Dev
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