INVENTATEQ
LEARN SKILLS • GET PLACED

MASTER HYPERMESH COURSE With Placement

Build In-Demand Professional Expertise with Real-Time Hands-on Hypermesh 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 HYPERMESH ?

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

CAREER SCOPE OF HYPERMESH

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

INVENTATEQ
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.
SIGNATURE

QR Verified | Globally Valid | ISO 9001:2015

Direct Business Impact. Fast-Growing Industry Demand. High Career Mobility.

Average Hypermesh Professional Salary in India
₹5.5 LPA – ₹18 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
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Practical Training Success
Autocad Classes in Bangalore, Best Catia Cour...
Industry Tech Career
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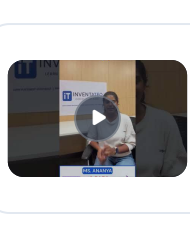

Placement Story
Ananya's Placement Success Story | AI Course ...
Campus to MNC Offer
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Interview Skills & Growth
Free Interview Skills Development Classes for...
Free Student Masterclass
Watch Video

> **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
Hypermesh Drafter	Manage core CAE tasks, configure tooling, and support delivery.	Practical CAE setup files, exercise scripts, and documentation.
Hypermesh Design Engineer	Build practical Geometry Cleanup workflows, implement features, and resolve issues.	Functional Geometry Cleanup modules, workflow configs, and practical deliverables.
Senior Hypermesh Engineer	Lead Hypermesh technical delivery, design solutions, and set standards.	Complete Hypermesh 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 CAE concepts, environment setup, and tools.	Configured CAE workspace and verified practice exercises.
Milestone 2 (Implementation)	Develop practical Geometry Cleanup workflows and functional domain modules.	Working Geometry Cleanup project modules and validated practice outputs.
Milestone 3 (Advanced Workflows)	Implement advanced Quality Checks features, integrations, and optimizations.	Validated Quality Checks configurations and technical review outputs.
Milestone 4 (Production Capstone)	Deliver an end-to-end Hypermesh capstone project and technical review.	Complete Hypermesh 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: CAE and Pre-Processing Foundations

- Role of HyperMesh in CAE, FEA, and engineering-simulation workflows
- Understanding how geometry, mesh, loads, and boundary conditions fit into analysis
- preparation
- Where HyperMesh sits between CAD and solver execution
- Using engineering thinking when preparing simulation-ready models

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

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

2 Module 2: Interface and Model

- Organization
- HyperMesh interface, browsers, collectors, components, and workflow structure
- Importing CAD geometry and managing model organization cleanly
- Navigation, display control, and setup habits for efficient work
- Creating disciplined model structure before meshing starts

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: Geometry Cleanup and Preparation

- Cleaning surfaces, fixing topology, removing defects, and preparing CAD for meshing
- Understanding free edges, missing surfaces, and geometry consistency checks
- Why clean geometry is essential for stable and accurate analysis models
- Applying practical cleanup methods used in real CAE preparation tasks

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.

4 Module 4: 2D Meshing Fundamentals

- Creating shell meshes, choosing element types, and controlling mesh density
- Applying meshing criteria, flow, and
- quality-awareness basics
- Improving mesh consistency for reliable solver behavior
- Understanding engineering trade-offs between mesh quality and time

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.

5 Module 5: 3D Meshing and Solid Preparation

- Volume meshing awareness, tetra/hexa considerations, and solid-model workflows
- Preparing components for structural or simulation-ready solid meshes
- Understanding when different 3D meshing approaches are used
- Balancing quality and practicality in complex model regions

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: Quality Checks and Model Improvement

- Checking aspect ratio, skew, warpage, jacobian, and other common quality criteria
- Repairing low-quality elements and improving mesh health systematically
- Reading mesh-quality results in a
- solver-aware way
- Maintaining standards expected in
- engineering simulation teams

GUIDED LAB
Complete a guided practical exercise on Checking aspect ratio and verify your results.

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

7 Module 7: Properties, Materials, and Connections

- Assigning properties, materials, thickness, and element-related definitions
- Understanding connectors, spot welds, bolts, and assembly modeling awareness
- Preparing models for realistic structural representation
- Building solver-ready definitions with
- organized engineering logic

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: Loads, Boundary

- Conditions, and Setup Awareness
- Applying forces, constraints, load collectors, and simple analysis setup understanding
- Preparing pre-processing information for downstream solver use
- Connecting model intent to engineering simulation objectives
- Ensuring the model is ready for structured analysis handoff

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: Solver Deck and Industry Workflow Awareness

- Exporting solver decks and understanding compatibility with common solvers
- Working in automotive and mechanical project-style CAE workflows
- How HyperMesh supports analysts,
- design-validation teams, and simulation
- engineers
- Interview-oriented explanation of meshing and pre-processing work
- Career Opportunities

GUIDED LAB
Complete a guided practical exercise on Exporting solver decks and understanding and verify your results.

INTERVIEW & ASSESSMENT
Explain the core purpose of Exporting solver decks and understanding and how you use it in real job roles.

10 Module 10: Real Project Workflow

- Building a full HyperMesh preparation case from CAD import to mesh-ready solver deck
- Applying cleanup, meshing, quality checks, and model organization together
- Preparing engineering-style output for reviews or portfolio use
- Project output aligned with CAE, meshing, and simulation-support roles
- CAE Engineer Trainee
- HyperMesh Engineer
- FEA Pre-Processing Associate
- Meshing 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: CAE Engineer Trainee

What it is: Set up the core CAE Pre Processing environment and configure essential business settings.

What you do: Initialize base configurations, create clean templates, and verify workflow controls.

Tools used: Hypermesh, CAE Pre Processing, Role HyperMesh CAE

Project outcome: Working project foundation configured and tested according to best practices.

Project 2: HyperMesh Engineer

What it is: Build practical Geometry Cleanup Preparation modules to handle everyday business operations.

What you do: Create core functional components, validate input data, and prevent common errors.

Tools used: Hypermesh, Geometry Cleanup Preparation, Cleaning surfaces fixing

Project outcome: Functional business module ready to run and demo with zero manual errors.

Project 3: FEA Pre-Processing Associate

What it is: Connect 3D Meshing Solid with Volume meshing tetra to automate data and team workflows.

What you do: Set up automated pipelines, link required services, and run end-to-end tests.

Tools used: Hypermesh, 3D Meshing Solid, Volume meshing tetra

Project outcome: Live automated workflow pipeline documented with clear usage guides.

Project 4: Meshing Engineer

What it is: Optimize Properties Materials Connections workflows for security, speed, and reliability.

What you do: Audit performance bottlenecks, apply security rules, and optimize execution speed.

Tools used: Hypermesh, Properties Materials Connections, Assigning properties materials

Project outcome: Production-grade technical deliverable ready to add to your personal portfolio.

Project 5: Hypermesh End-to-End Capstone

What it is: Build a complete, production-ready Hypermesh project bringing all skills together.

What you do: Design, code, test, and document a full project workflow from scratch to launch.

Tools used: Hypermesh, Solver Deck Industry, Exporting solver decks

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 CAE principles, industry terminology, and workflow concepts	Consistent passing score across syllabus unit evaluation tests
Lab Submissions & Practice Reviews	Hands-on Geometry Cleanup implementation, configuration, and practical exercises	Working lab deliverables satisfying practical evaluation rubrics
Hands-On Mini Projects	Independent problem-solving using intermediate Quality Checks techniques	Functional project artifacts addressing realistic domain scenarios
Final Production Capstone	End-to-end Hypermesh 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.

- Organized Hypermesh portfolio of 2D drafting sheets, 3D models, and plot sets.
- Detailed CAE diagrams, component specifications, and end-to-end workflows.
- Visual project sheets, live demonstration walkthroughs, and verified functional outputs.
- Project documentation covering Geometry Cleanup setup, configuration steps, and test notes.
- Direct resume bullet points highlighting hands-on Hypermesh 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.

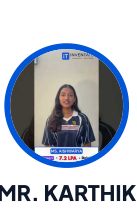
READ REVIEWS

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 : **Hypermesh 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 : **Hypermesh Specialist** ★★★★★

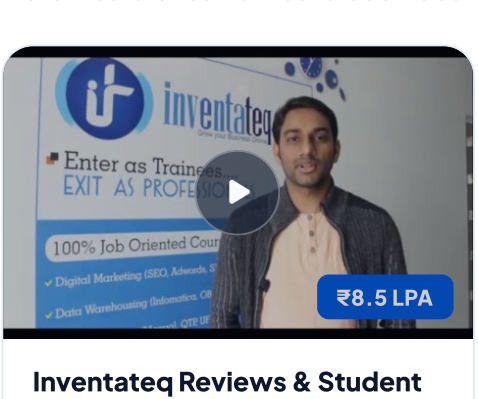


MR. KARTHIK
Placed at Capgemini (10.5 LPA)

"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 : **Hypermesh 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
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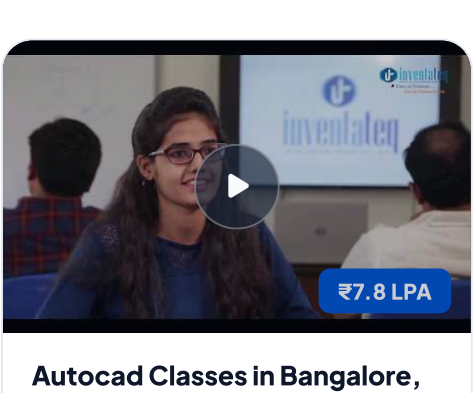


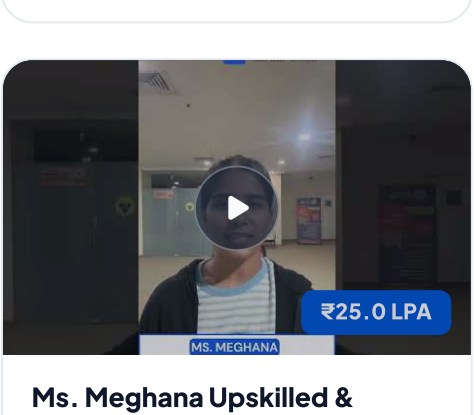
Autocad Classes in Bangalore, Best Catia Course Near Me with Job Support
Course Video 2 • Student Feedback
Watch Story

MS. ANANYA
₹9.2 LPA

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
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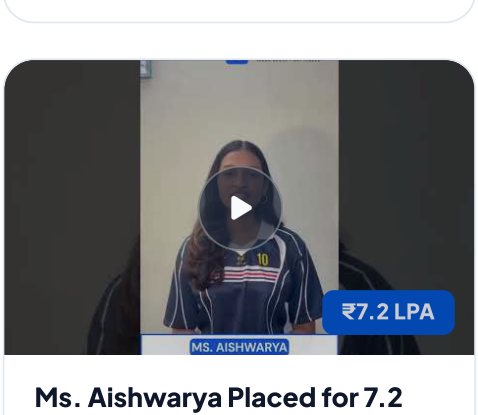

Ms. Aishwarya Placed for 7.2 LPA Package
Verified Offer • Software Dev
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