INVENTATEQ
LEARN SKILLS • GET PLACED

MASTER PLANT DESIGN
COURSE With Placement

Build In-Demand Professional Expertise with Real-Time Hands-on Plant Design 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+	500+	25K	15K
YEARS OF EXCELLENCE	HIRING PARTNERS	STUDENTS TRAINED	STUDENTS PLACED

Chat on WhatsApp
FREE Career Counselling
+91 85500 00909

YOUR FUTURE
STARTS HERE !

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

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

We Collaborate With

Deloitte. · Capgemini · amazon · HCL · Tech Mahindra

WHY LEARN PLANT DESIGN ?

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

CAREER SCOPE OF PLANT DESIGN

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

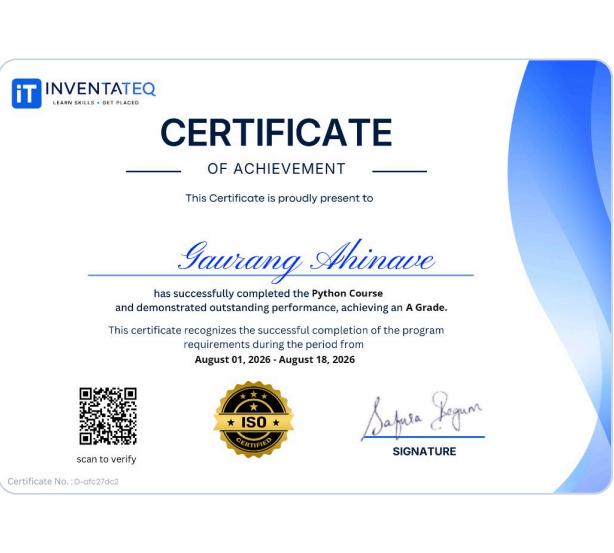
Cross-Industry Opportunities
Versatile skill set applicable across technology, consulting, finance, and core sectors

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 Abhinave

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

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

Average Plant Design Professional Salary in India

₹5.5 LPA – ₹18 LPA

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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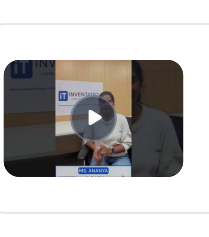
Practical Training Success
Inventateq Reviews & Student Genuine Feed...
Industry Tech Career
Watch Video



Placement Story
Ananya's Placement Success Story | AI Course ...
Campus to MNC Offer
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Classes @ INVENTATEQ.COM

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

> At Inventateq, Your Success is Our Mission !

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+	500+	95%	6 LPA
Students Placed	Companies Hired	Placement Ratio	Average Package

Check Most Recent Placements

CAREER PROGRESSION

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

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

SKILLS ROADMAP

Progress from core foundations to production-ready enterprise workflows.

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

DETAILED MODULE PLAN

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

1 Module 1: Introduction to Plant Design

- Fundamentals of Plant Design
- Types of Industrial Plants
- Plant Design Process
- Engineering Disciplines Overview
- Industry Standards and Codes

GUIDED LAB
Log in to the system, practice basic navigation, and complete your first Plant Design exercise.

INTERVIEW & ASSESSMENT
Explain what Plant Design is used for and why companies choose it in simple words.

2 Module 2: Process Engineering Basics

- Process Flow Diagrams (PFD)
- Piping & Instrumentation Diagrams (P&ID)
- Material and Energy Balance
- Equipment Selection
- Process Design Fundamentals

GUIDED LAB
Complete a guided practical exercise on Process Flow Diagrams (PFD) and verify your results.

INTERVIEW & ASSESSMENT
Explain the core purpose of Process Flow Diagrams (PFD) and how you use it in real job roles.

3 Module 3: Plant Layout Design

- Plant Layout Principles
- Equipment Arrangement
- Plot Plan Development
- Space Management
- Safety and Accessibility Considerations

GUIDED LAB
Complete a guided practical exercise on Plant Layout Principles and verify your results.

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

4 Module 4: Piping Design

- Piping Components
- Pipe Routing
- Pipe Supports
- Valves and Fittings
- Piping Material Specifications

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

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

5 Module 5: Equipment Design

- Pumps
- Compressors
- Heat Exchangers
- Pressure Vessels
- Storage Tanks

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

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

6 Module 6: Mechanical & Structural Design

- Structural Steel Design Basics
- Pipe Rack Design
- Foundations Overview
- Supports and Hangers
- Mechanical Drawings

GUIDED LAB
Complete a guided practical exercise on Structural Steel Design Basics and verify your results.

INTERVIEW & ASSESSMENT
Explain the core purpose of Structural Steel Design Basics and how you use it in real job roles.

7 Module 7: Instrumentation & Electrical Basics

- Instrumentation Symbols
- Control Valves
- Sensors and Transmitters
- Electrical Distribution Basics
- Cable Routing Overview

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

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

8 Module 8: Plant Safety & Standards

- HAZOP Overview
- Safety Codes and Standards
- Fire Protection Systems
- Risk Assessment
- Environmental Considerations

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

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

9 Module 9: 3D Plant Modeling

- D Plant Modeling Concepts
- Equipment Modeling
- Piping Modeling
- Clash Detection
- Isometric Drawing Generation

GUIDED LAB
Complete a guided practical exercise on D Plant Modeling Concepts and verify your results.

INTERVIEW & ASSESSMENT
Explain the core purpose of D Plant Modeling Concepts and how you use it in real job roles.

10 Module 10: Real-Time Projects

- Industrial Plant Layout Project
- Piping Design Project
- Equipment Layout Case Study
- D Plant Modeling Project
- Resume Building & Interview Preparation
- Tools Covered
- AutoCAD Plant 3D
- AVEVA E3D (Overview)

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.

REAL-WORLD PORTFOLIO PROJECTS

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

Project 1: Industrial Plant Layout Project

What it is: Set up the core Plant Design environment and configure essential business settings.
What you do: Initialize base configurations, create clean templates, and verify workflow controls.
Tools used: Plant Design, Types Industrial Plants
Project outcome: Working project foundation configured and tested according to best practices.

Project 2: Piping Design Project

What it is: Build practical Plant Layout Design modules to handle everyday business operations.
What you do: Create core functional components, validate input data, and prevent common errors.
Tools used: Plant Design, Plant Layout Design, Plant Layout
Project outcome: Functional business module ready to run and demo with zero manual errors.

Project 3: Equipment Layout Case Study

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

Project 4: D Plant Modeling Project

What it is: Optimize Instrumentation Electrical workflows for security, speed, and reliability.
What you do: Audit performance bottlenecks, apply security rules, and optimize execution speed.
Tools used: Plant Design, Instrumentation Electrical, Instrumentation Symbols
Project outcome: Production-grade technical deliverable ready to add to your personal portfolio.

Project 5: Plant Design End-to-End Capstone

What it is: Build a complete, production-ready Plant Design project bringing all skills together.
What you do: Design, code, test, and document a full project workflow from scratch to launch.
Tools used: Plant Design, 3D Plant Modeling, Plant Modeling
Project outcome: Verified capstone project ready to showcase on your resume and interview calls.

ASSESSMENT FRAMEWORK

Module tests, practical evaluations, capstone and completion criteria.

COMPONENT	ASSESSMENT FOCUS	PASS EVIDENCE
Module Knowledge Quizzes	Core Plant Design principles, industry terminology, and workflow concepts	Consistent passing score across syllabus unit evaluation tests
Lab Submissions & Practice Reviews	Hands-on Plant Layout implementation, configuration, and practical exercises	Working lab deliverables satisfying practical evaluation rubrics
Hands-On Mini Projects	Independent problem-solving using intermediate Mechanical techniques	Functional project artifacts addressing realistic domain scenarios
Final Production Capstone	End-to-end Plant Design 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 Plant Design diagrams, component specifications, and end-to-end workflows.
- Visual project sheets, live demonstration walkthroughs, and verified functional outputs.
- Project documentation covering Plant Layout setup, configuration steps, and test notes.
- Direct resume bullet points highlighting hands-on Plant Design tools and technical outcomes.
- Structured practice for technical interview pitches, walkthroughs, and viva defense.

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 practical lab sessions gave me the confidence to transition into enterprise roles. Working on real-world datasets helped me clear technical interviews effortlessly!"*
> Course Completed : **Plant Design Specialist** G ★★★★★

MR. HARSHIT
Placed at Accenture (11.2 LPA)

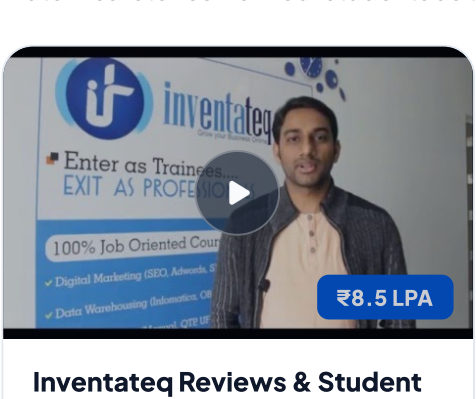
> *"Inventateq's focus on industry capstone projects and mock interviews was game-changing. The mentors guided me through every real-world implementation hurdle."*
> Course Completed : **Plant Design Specialist** G ★★★★★

MR. KARTHIK
Placed at Capgemini (10.5 LPA)

> *"Moving from beginner theory to hands-on enterprise tools was seamless. The portfolio defense preparation helped me crack my MNC placement round!"*
> Course Completed : **Plant Design Specialist** G ★★★★★

WATCH VIDEOS

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



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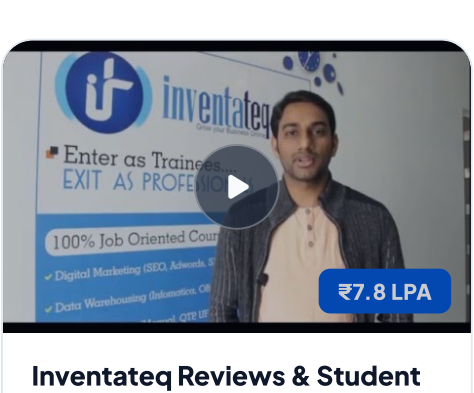

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INVENTATEQ
₹9.2 LPA
MS. ANANYA

Ananya's Placement Success Story | AI Course | 6.5 LPA at Accenture| Inventateq
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Get JOB Ready: 7676765421

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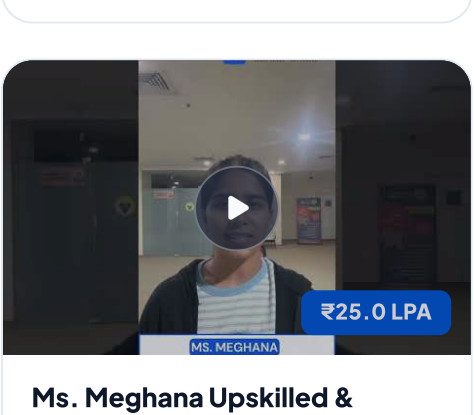
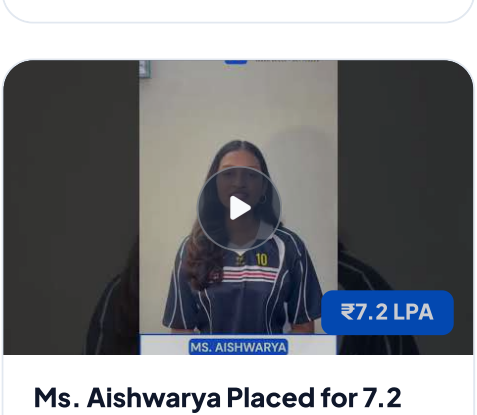


Ms. Meghana Upskilled & Placed at 25 LPA
✔ Top Offer • Enterprise Consultant
Watch Story



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