INVENTATEQ
LEARN SKILLS • GET PLACED

MASTER NX NASTRAN
COURSE With Placement

Build In-Demand Professional Expertise with Real-Time Hands-on Nx Nastran 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 !

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

We Collaborate With

Deloitte. Capgemini amazon HCL Tech Mahindra

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WHY LEARN NX NASTRAN ?

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

CAREER SCOPE OF NX NASTRAN

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
SIGNATURE

QR Verified | Globally Valid | ISO 9001:2015

Core Engineering & Manufacturing Demand. Automotive & Infrastructure Roles.

Average Nx Nastran 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
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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+	500+	95%	6 LPA
Students Placed	Companies Hired	Placement Ratio	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
Nx Nastran Associate	Manage core Finite Element tasks, configure tooling, and support delivery.	Practical Finite Element setup files, exercise scripts, and documentation.
Nx Nastran Specialist	Build practical Meshing Techniques workflows, implement features, and resolve issues.	Functional Meshing Techniques modules, workflow configs, and practical deliverables.
Senior Nx Nastran Lead	Lead Nx Nastran technical delivery, design solutions, and set standards.	Complete Nx Nastran 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 Finite Element concepts, environment setup, and tools.	Configured Finite Element workspace and verified practice exercises.
Milestone 2 (Implementation)	Develop practical Meshing Techniques workflows and functional domain modules.	Working Meshing Techniques project modules and validated practice outputs.
Milestone 3 (Advanced Workflows)	Implement advanced Thermal Analysis features, integrations, and optimizations.	Validated Thermal Analysis configurations and technical review outputs.
Milestone 4 (Production Capstone)	Deliver an end-to-end Nx Nastran capstone project and technical review.	Complete Nx Nastran project portfolio artifact and defense.

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DETAILED MODULE PLAN

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

1 Module 1: Introduction to Finite Element Analysis (FEA)

- Basics of Finite Element Method
- Engineering Simulation Overview
- Introduction to NX Nastran
- Applications in Industry
- Pre-processing, Solving, Post-processing Workflow

GUIDED LAB
Log in to the system, practice basic navigation, and complete your first Finite Element Method exercise.

INTERVIEW & ASSESSMENT
Explain what Finite Element Method is used for and why companies choose it in simple words.

2 Module 2: NX Nastran Interface & Setup

- NX Nastran Environment Overview
- Model Preparation
- Units and Coordinate Systems
- Geometry Import and Clean-up
- Basic Analysis Workflow

GUIDED LAB
Complete a guided practical exercise on NX Nastran Environment Overview and verify your results.

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

3 Module 3: Meshing Techniques

- Types of Elements (1D, 2D, 3D)
- Mesh Generation Basics
- Mesh Quality and Refinement
- Element Selection Guidelines
- Connectivity and Nodes

GUIDED LAB
Complete a guided practical exercise on Types of Elements and verify your results.

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

4 Module 4: Structural Analysis

- Static Structural Analysis
- Stress and Strain Concepts
- Load Application
- Boundary Conditions
- Result Interpretation

GUIDED LAB
Complete a guided practical exercise on Static Structural Analysis and verify your results.

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

5 Module 5: Modal Analysis

- Natural Frequency Concepts
- Vibration Analysis
- Mode Shapes
- Eigenvalue Problems
- Structural Dynamics Basics

GUIDED LAB
Complete a guided practical exercise on Natural Frequency Concepts and verify your results.

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

6 Module 6: Thermal Analysis

- Heat Transfer Basics
- Steady-State Thermal Analysis
- Transient Thermal Analysis
- Thermal Loads
- Temperature Distribution Interpretation

GUIDED LAB
Create interactive web components that update information on the screen when clicked.

INTERVIEW & ASSESSMENT
Explain what a component is and how data flows between different parts of a website.

7 Module 7: Advanced Analysis Types

- Nonlinear Analysis Basics
- Buckling Analysis
- Contact Analysis
- Fatigue Analysis Overview
- Dynamic Response Analysis

GUIDED LAB
Complete a guided practical exercise on Nonlinear Analysis Basics and verify your results.

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

8 Module 8: Materials & Properties

- Material Modeling
- Linear and Nonlinear Materials
- Composite Materials Overview
- Material Libraries
- Property Assignment

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

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

9 Module 9: Solver & Optimization

- NX Nastran Solver Overview
- Solution Sequences
- Performance Optimization
- Error Checking
- Debugging Analysis Runs

GUIDED LAB
Complete a guided practical exercise on NX Nastran Solver Overview and verify your results.

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

10 Module 10: Post Processing & Reporting

- Result Visualization
- Stress/Deformation Plots
- Report Generation
- Data Interpretation
- Design Validation

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

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

11 Module 11: Real-Time Projects

- Automotive Component Analysis
- Structural Beam Analysis Project
- Thermal Simulation Case Study
- Vibration Analysis Project
- Resume Building & Interview Preparation
- Tools Covered
- Siemens NX Nastran
- NX CAD (Pre-processing)

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: Automotive Component Analysis

What it is: Set up the core Finite Element Analysis environment and configure essential business settings.

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

Tools used: Nx Nastran, Finite Element Analysis, Finite Element Method

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

Project 2: Structural Beam Analysis Project

What it is: Build practical NX Nastran Interface modules to handle everyday business operations.

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

Tools used: Nx Nastran, NX Nastran Interface, NX Nastran Environment

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

Project 3: Thermal Simulation Case Study

What it is: Connect Structural Analysis with Static Structural Analysis to automate data and team workflows.

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

Tools used: Nx Nastran, Structural Analysis, Static Structural Analysis

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

Project 4: Vibration Analysis Project

What it is: Optimize Thermal Analysis workflows for security, speed, and reliability.

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

Tools used: Nx Nastran, Thermal Analysis, Heat Transfer

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

Project 5: Siemens NX Nastran

What it is: Implement advanced Materials Properties features matching real industry requirements.

What you do: Configure custom settings, automate repetitive tasks, and test business logic.

Tools used: Nx Nastran, Materials Properties, Material Modeling

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

Project 6: Nx Nastran End-to-End Capstone

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

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

Tools used: Nx Nastran, Post Processing Reporting, Result Visualization

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 Finite Element principles, industry terminology, and workflow concepts	Consistent passing score across syllabus unit evaluation tests
Lab Submissions & Practice Reviews	Hands-on Meshing Techniques implementation, configuration, and practical exercises	Working lab deliverables satisfying practical evaluation rubrics
Hands-On Mini Projects	Independent problem-solving using intermediate Thermal Analysis techniques	Functional project artifacts addressing realistic domain scenarios
Final Production Capstone	End-to-end Nx Nastran 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 Finite Element diagrams, component specifications, and end-to-end workflows.
- Visual project sheets, live demonstration walkthroughs, and verified functional outputs.
- Project documentation covering Meshing Techniques setup, configuration steps, and test notes.
- Direct resume bullet points highlighting hands-on Nx Nastran 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.

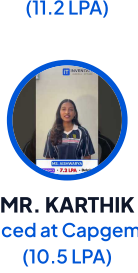
READ REVIEWS

MS. SNEHA
Placed at Wipro (9.5 LPA)

"The 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 : **Nx Nastran Specialist**
G ★★★★★

MR. HARSHIT
Placed at Accenture (11.2 LPA)

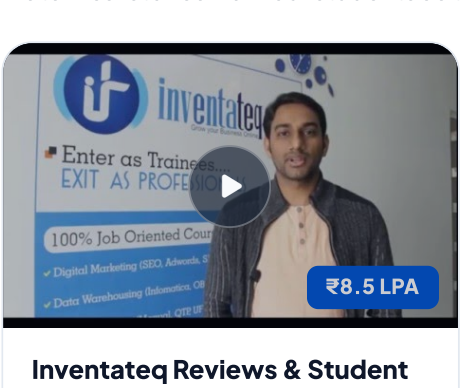
"Inventateq's focus on industry capstone projects and mock interviews was game-changing. The mentors guided me through every real-world implementation hurdle."
Course Completed : **Nx Nastran Specialist**
G ★★★★★


MR. KARTHIK
Placed at Capgemini (10.5 LPA)

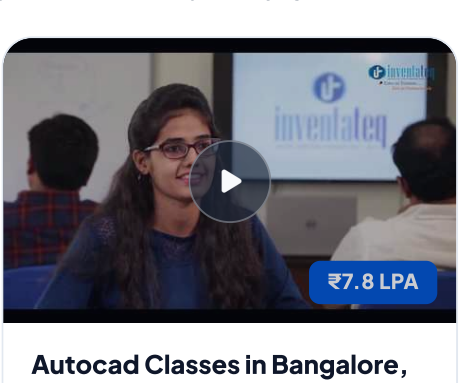
"Moving from beginner theory to hands-on enterprise tools was seamless. The portfolio defense preparation helped me crack my MNC placement round!"
Course Completed : **Nx Nastran Specialist**
G ★★★★★

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



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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
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Classes @ INVENTATEQ.COM
₹6.8 LPA

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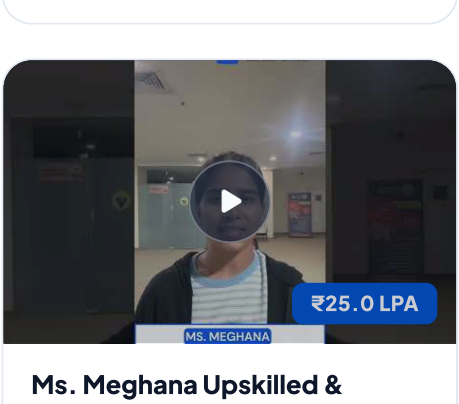
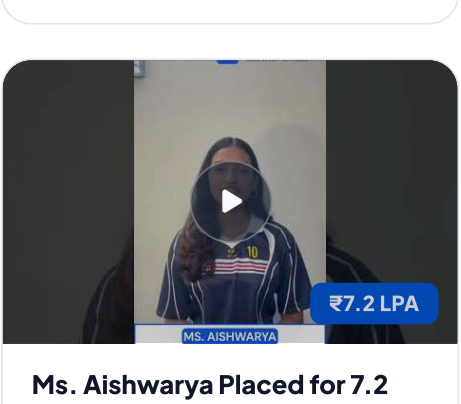


Ms. Meghana Upskilled & Placed at 25 LPA
Top Offer • Enterprise Consultant
Watch Story



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

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