

NS3EDU.

Learn Today  Earn Tomorrow

Lean Six Sigma

COURSE OUTLINE



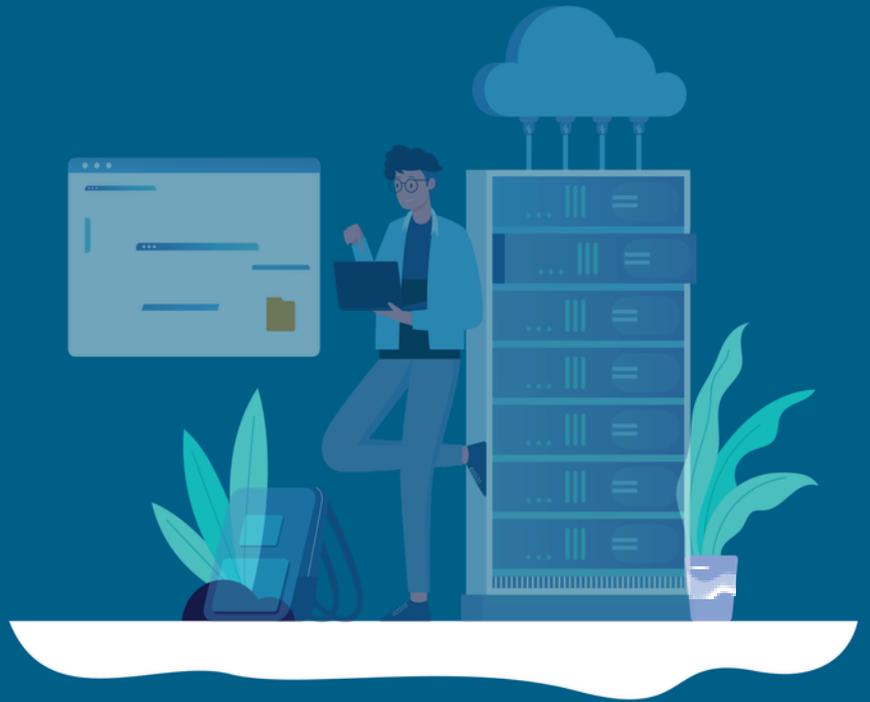
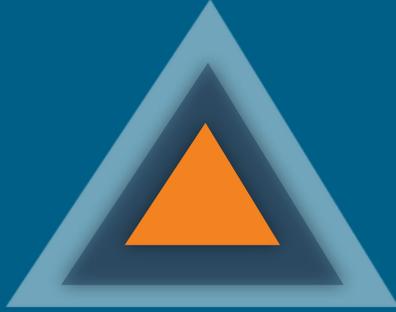
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NS3EDU:BRIDGE
YOUR

IT DREAMS
TO REALITY



EMPOWERING CAREER THROUGH KNOWLEDGE

Looking to make it big in the world of IT networking? Look no further than NS3Edu! We help beginners learn the ropes & experienced pros master new skills. Come join us and build your dream career!

MISSION

The mission of NS3Edu is to empower our candidates with in-depth knowledge of IT fundamentals along with real-time industry experience and also take 100% responsibility for the placement by making them Industry fit.

CERTIFICATES



VISION

In-depth knowledge + hands-on experience + analytical thinking = placement



Learning



Opportunity



Experience



Career



ROADMAP OF

JOB

PLACEMENT

Confused in **Different** Career Options



Qualifies- Job Placement

Career Diagnosis System



Opportunities for **Job Placement**

Counselling & Demo sessions



Screening by **Corporate HR & Tech Team**

Student **Enrollment & Induction** session



2 Week **Technical** Task Training

Course Kick off (**Live Classes**)



NS3 Tech Industrial Exposure

Access to Recorded Sessions, **E book & Lab Manual**



Course Completion

WHAT MAKES US UNIQUE?

USP'S

Industry Demand &
Customized Courses



Course Outline

LEVEL 1: Lean Six Sigma Yellow Belt (Beginner Level)

Part 1: Introduction to Lean & Six Sigma

- What is Lean
- What is Six Sigma
- History of Lean Six Sigma
- Lean vs Six Sigma
- Benefits of Lean Six Sigma

Part 2: Basics of Process Thinking

- What is a Process
- SIPOC Diagram
- Process Inputs & Outputs
- Voice of Customer (VOC)
- CTQ (Critical to Quality)

Part 3: Lean Fundamentals

- 8 Types of Waste (DOWNTIME)
- Value-Added vs Non-Value-Added Activities
- Process Flow Basics
- Introduction to Kaizen

Part 4: Six Sigma Fundamentals

- Defect & Variation
- Sigma Levels
- Introduction to DMAIC
- Roles & Responsibilities (Yellow Belt)

LEVEL 2: Lean Six Sigma Green Belt (Intermediate Level).

Part 5: Define Phase (DMAIC)

- Problem Statement
- Project Charter
- Stakeholder Analysis
- SMART Goals

Part 6: Measure Phase

- Data Types (Continuous / Discrete)
- Data Collection Plan
- Basic Statistics
- Process Capability Basics

Part 7: Analyze Phase

- Root Cause Analysis
- Fishbone Diagram
- 5 Why Analysis
- Pareto Chart
- Basic Hypothesis Testing

Part 8: Improve Phase

- Solution Brainstorming
- Process Improvement Techniques
- Poka-Yoke (Mistake Proofing)
- Kaizen Events

Part 9: Control Phase

- Control Plan
- SOPs & Standardization
- Control Charts (Basics)
- Sustaining Improvements

LEVEL 3: Lean Six Sigma Black Belt (Advanced / Professional Level).



Part 10: Advanced Statistical Tools

- Advanced Control Charts
- Regression Analysis
- Correlation
- Design of Experiments (DOE – Intro)

Part 11: Advanced Lean Tools

- Value Stream Mapping (VSM)
- SMED (Quick Changeover)
- Kanban
- 5S Implementation (Advanced)

Part 12: Leadership & Change Management

- Change Management Concepts
- Stakeholder Buy-In
- Team Management
- Conflict Resolution

Part 13: Lean Six Sigma in IT & Services

- Lean Six Sigma for IT Processes
- Lean Six Sigma for Digital & Service Industry
- Case Studies (IT / BFSI / Healthcare)

Part 14: Real-World Projects & Case Studies

- End-to-End DMAIC Project
- Cost Saving Calculations
- Process Optimization Project
- Industry Case Studies

Part 15: Career & Certification Preparation

- Lean Six Sigma Roles
- Yellow / Green / Black Belt Career Path
- Certification Exam Preparation
- Interview Questions
- Resume & Project Portfolio Guidance
- Mock Interviews



OUR PLACEMENT PARTNERS



YOUR FUTURE OUR RESPONSIBILITY



Free consulting



Get trained with certified trainers



24X7 Lab access



Employability enhancement program



info@ns3edu.com



www.ns3edu.com



+91-9821442746



3rd Floor, B9, Block B,
Old DLF Colony, Sector 14,
Gurugram, Haryana 122007



NETWORK SECURITY



CYBER SECURITY



CLOUD SERVICE



FULL STACK DEVELOPMENT



DIGITAL MARKETING



DATA SCIENCE



AI ML LEARNING