Lean Six Sigma Course

EduNextgen

Education for Next Generation Leaders

Course Durations: 24 Hours **Course Mode: Online/Offline**

About Company:

EduNextgen extended arm of Product Innovation Academy is a growing entity in education and career transformation, specializing in today's most in-demand skills. A platform with blended learning programs supported by in-trend technology platforms for learning. Engaging organizations for learning development objectives.

Training courses are designed and updated by renowned industry experts. Our blended learning approach combines online classes, instructor-led live virtual classrooms and virtual teaching assistance.

About The Course:

Six Sigma professionals offer sophisticated problem solving skills to companies looking to increase operational efficiencies and improve overall quality. Professionals from any industry whether manufacturing, service, government, education, finance or healthcare can benefit from Six Sigma.

The course content covers the entire Six Sigma Green Belt Body of Knowledge as per the American Society of Quality. The key learning objectives of the course are to understand the value of Six Sigma and to utilize and apply the DMAIC (Define, Measure, Improve, Control) framework.

Why This Course:

- This course prepares to Easily solve real life business related problems using Lean Six Sigma Techniques.
- By the end of the course, you'll be prepared to pass the ASQ certification exam.
- Live Support (24x7)

Participants will get the Access to:

- LMS Access
- Assignments
- Quizzes
- Live Support via Mail, Call and Screen Sharing
- Course Completion Certificate

Batch Schedule (Online):

Weekend: 3 Hours per day

Weekday: 2 Hours per day

Batch Schedule (Offline):

Weekend: 4 Hours per day

Weekday: 2 Hours per day

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Curriculum:

Module 1: Six Sigma and the Organization

This module will give you introduction about Six Sigma, its Organizational goals and DFSS methodologies. Below topics are covered in this module:

- Introduction to Six Sigma and the Organization
- Six sigma and organizational goals
- Lean principles in the organization
- Design for six sigma (DFSS) methodologies

Module 2: Define Phase

This module will help you to understand about Define Phase, its definition, Tools used, Process States, Value to customer & Definition & Purpose of Process Value Analysis. Below topics are covered in this module:

- Introduction to Define phase
- Project identification
- Voice of the customer (VOC)
- Project Management Basics
- Management and planning tools (Apply)
- Business results for projects
- Team dynamics and performance
- Summary of Define phase

Module 3: Measure Phase

This module will help you to understand the Objectives and inputs of the Measure Phase, Data Collection Tools and technique, Measurement scales and validation techniques and Types of Data. Below topics are covered in this module:

- Introduction to Measure phase
- Process analysis and documentation (Create)
- Probability and statistics
- Collecting and summarizing data
- Statistical distributions (Understand)
- Measurement system analysis (MSA) (Evaluate)
- Process and performance capability
- Summary of Measure Phase

Module 4: Analyze Phase

This module will help you to understand Objectives and Inputs of the Analyze phase, Hypothesis Testing and Process Capability Study and Data Analysis. Below topics are covered in this module:

- Introduction to Analyze phase
- Hypothesis testing
- Exploratory data analysis
- Summary of Measure phase

Module 5: Improve Phase

This module will help you to understand the Objectives and Inputs of the Improve Phase, return on Investment Solution Design Matrix and Design of Experiments, Tools Used in Risk Management, Definition & Approach to FMEA and Solution Screening Techniques, Need, Approach, & Filtering Techniques. Below topics are covered in this module:

- Introduction to Improve phase
- Design of experiments (DOE)
- Root cause analysis (Analyze
- Lean Tools
- Selecting a solution
- Summary Improve Phase

Module 6: Control Phase

This module will help you to understand the Objectives and Inputs of Control Phase, Control plan and Statistical Process Control (SPC), Outputs of Control Phase.Below topics are covered in this module:

- Introduction to Control phase
- Statistical process control (SPC)
- Control plan (Apply)
- Lean tools for process control
- Summary of Control Phase