

DESIGN FOR SIX SIGMA

SUPPLEMENT PROGRAM

Classroom Training and Certification Program

Jointly Delivered by



Indian Statistical Institute
Pune Unit



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PROGRAM OVERVIEW

The Design for Six Sigma (DFSS) is a product development approach that helps businesses create products and services of high quality. While the typical Six Sigma - DMAIC and Lean Six Sigma approaches solve the problems of defect and waste of existing products, services, processes, systems, software, and resources respectively, the DFSS approach helps in the design of new product of Six Sigma quality.

Augmentation of new resources, recruiting new people, and the development of new products requires an approach that is supposed to ensure the defect and waste-free outfit by birth and from birth. This is the approach of Design for Six Sigma. The Design for Six Sigma which is primarily focussed on R&D, Projects, Process Expansion, Software development, Procurements, and Recruitments should resort to the DFSS approach to prevent defects and waste by design or by launching in the respective organisations.

VALUE ADDITION

Our certified Design for Six Sigma (DFSS) Black Belt will have the following value-additions after the program:

- Create an impact in bringing conducive culture of Design, Development and Research in their organisations
- Get the opportunity to avail offsite project assistance from our experts
- Access the developments of the DFSS community
- Obtain the knowledge resources on the areas of interest

WHO SHOULD ENROLL?

The course is designed for Certified Six Sigma Black Belts from the following areas:

- Design Professionals, R&D professionals, Architects, Scientists and Software Architects, Designers and Developers
- Quality Assurance Engineers, Project Managers, Team leaders, Practitioners and Senior Management
- Those who want to get certified as Design for Six Sigma Black Belt
- Any other professional members who are doing research, innovations or consulting in process improvement practices

CERTIFICATION

ISI Pune will award participants a formal DFSS Black Belt Training Certificate on successful completion of this training (100% attendance) and upon clearing assessment ($\geq 70\%$).

PROGRAM CURRICULUM

Introduction to DFSS | Refreshing DMAIC

Define Phase

- Project Charter
- MGP/MGAP
- Risk Mitigation Plan
- Feasibility Study
- Contextual Enquiry
- Conjoint analysis
- ECTQ Dashboard

Measure Phase

- QFD
- Design Scoreboard

Analyse Phase

- Transfer Function
- Simulation
- DFX
- Axiomatic Design
- TRIZ
- Pugh Matrix
- FTA
- Reliability Analysis
- FMEAs
- Design of Experiment
- Taguchi's Robust Design
- Tolerance Design

Design Phase

- High Level Design
- Detailed Level Design
- Project Management
- Control Plans

Verify Phase

- Installation and Commissioning
- Control Plan & ECTQ Dashboard data analysis
- Documentation
- Project closure

DURATION

Upto 6 Days (Customisable as per requirements)

COURSE FEE: INR 25,000 (+GST)

edu plus now in association with the Indian Statistical Institute (ISI), Pune will jointly deliver courses in programs

- Six Sigma Yellow Belt
- Six Sigma Black Belt
- Lean Six Sigma Supplement Program
- Six Sigma Green Belt
- Master Black Belt
- Design for Six Sigma Supplement
- Post Graduate Program in Data Science

**Certification - Awarded Jointly by
The Indian Statistical Institute, Pune and edu plus now**

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