



# Design for Six Sigma Training - Brochure



Achieve customer satisfaction by meeting requirements on time

## Importance of Design for Six Sigma

Design for Six Sigma is a set of best practices and tools which, when integrated into a product or a service development process, increases the ability of the organization to meet customer requirements in a timely and cost-effective manner. Implementing the Design for Six Sigma approach makes sure that the processes and product design will meet the requirements of the customers and a low defect level product or service is being launched from the beginning

## Get Invensis Learning Advantage

- Expert trainer, interactive sessions with case studies
- A copy of Design for Six Sigma training
- Classes across 108+ locations worldwide
- 8 PDUs certificate provided
- Instructor-led training that is always on schedule
- Global approval and accreditation

## Key Benefits of Design for Six Sigma to Businesses

- DFSS increases the ability of the organization to meet customer requirements in a timely and cost-effective manner
- DFSS makes sure that the processes and product design will meet the requirements of the customers
- It ensures that a low defect level product or service is being launched from the beginning
- It improves product development and reduces risks
- It allows development of products by developing proper specifications and tolerances

## About Invensis Learning

Invensis Learning is a leading certification training provider for individuals and enterprises globally. Our expertise in providing globally-recognized IT & Technical certification courses has enabled us to be one of the trusted certification training partners for many Fortune 500 organizations and Government institutions worldwide. Invensis Learning has trained and certified thousands of professionals across a wide range of categories such as IT Service Management, Design for Six Sigma, Quality Management, IT Security and Governance, Cloud Computing, DevOps, Agile Design for Six Sigma, and Digital Courses. Invensis Learning's certification training programs adhere to global standards such as PMI, TUV SUD, AXELOS, ISACA, DevOps Institute, EXIN, and PEOPLECERT.

## Target Audience for Design for Six Sigma Training

Job roles that are ideal for Design for Six Sigma Training, but are not limited to:

- Top Management of Design Function
- R&D Director/Manager
- Product Manager
- Project Manager
- Quality Manager
- Design Engineer
- Six Sigma Black Belt/Green Belt
- Product/Service Design Related Staff
- Materials engineers
- Designers
- Interested Managers and Technicians

## About Design for Six Sigma Training Course

Design for Six Sigma is a complex methodology in process improvement which is applied to engineering to improve product development, reduce risks, and develop proper specifications and tolerances. It is a set of best practices and tools which, when integrated into a product or a service development process, increases the ability of the organization to meet customer requirements in a timely and cost-effective manner. On completion of the course, participants will have complete knowledge of the tools, methods and best practices which are needed to develop products and processes that can meet Six Sigma levels of quality.

# Design for Six Sigma Course Overview

## 1: Identify Opportunity

- Courses Introduction
- DFSS Introduction
- Identify Opportunities
- DFSS Project Selection
- DFSS Best Practice
- DFSS qualification certification and project close.

## 2: Define Needs

- Define Customer needs
- Kano Model
- Customer Loss Function
- QFD House of Quality
- Identification Concept

## 3: Develop Concept

- Creativity Techniques
- TRIZ
- Pugh Concept Selection

#### **4: Design Optimization**

- Optimization
- Robust Assessment
- Robust Assessment Case Study
- Parameter Design Process
- Parameter Design Case Study
- Optimum Strategy
- Taguchi DOE Application
- Non-Linear Response
- Noise Management Strategy
- Optimum Exercises
- Optimum Case Study
- Quality Loss Function
- Tolerance Design
- Tolerance Design Case Study

#### **5: Verify Implementation**


- Verification Case Study
- DFSS Process Summary
- Project Final Publish
- DFMEA



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