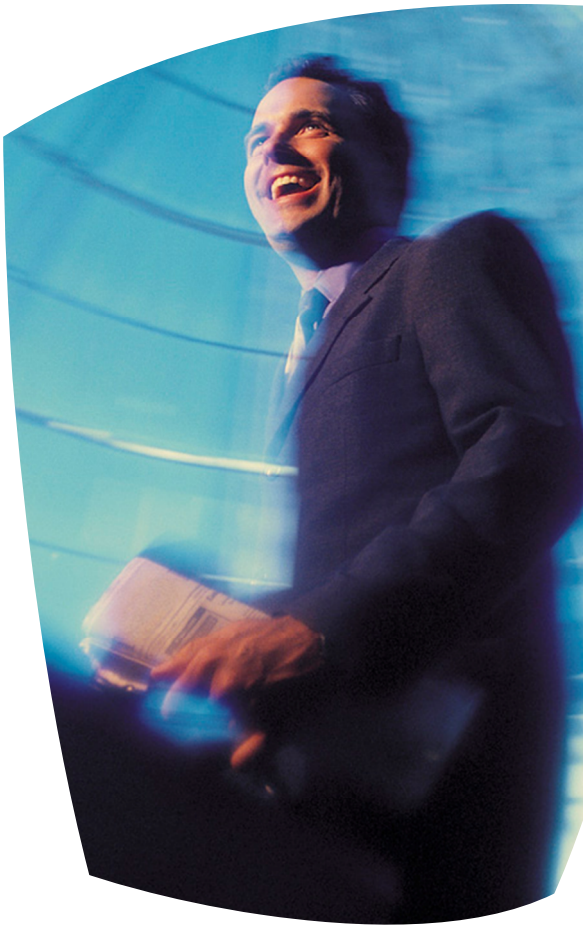
Six Sigma Brochure

Six Sigma

Cunix – Six Sigma Green Belt

Statistics at your service.



Six Sigma is a business management tool, which enables the achievement of goals in selected areas of improvement. Six Sigma techniques enable defect prevention and stabilize the business processes to enable the prediction of results.

It uses DMAIC, FMEA, QFD, DFSS and similar statistical techniques to create a process improvement infrastructure within the organization.

"Six Sigma Green Belt" certification empowers professionals to effectively implement Six Sigma projects in the organization.

Six Sigma - Green Belt

Introduction

Measurement is the first step towards controlling and positively influencing any process. There are four reasons for measuring software processes, products and services: characterize; evaluate; predict; improve. “CUNIX – Six Sigma Green Belt Workshop” will introduce the participants to industry accepted best practices for achieving QPPO (Quality and Process Performance Objectives). This program has created empowering leaders out of individuals.

Values and Benefits

- This training enables you to use the Six Sigma concepts resulting into significant monetary savings for the organization.
- This training will enable you to achieve customer delight and enhance customer loyalty.
- Greater financial returns as a result of using goal based process improvement initiatives using statistical and management techniques.
- This training will help you predict the achievements of QPPO.
- Six Sigma projects transforms the organization to absorb rapid and radical improvements contributing to business objectives.

Course Material

- Participants will receive a copy of the course material and Learning Kit.

Audience

- Product developers, Process implementers, QA, SEPG members, Management graduates, Auditors, Consultants and Anyone interested to excel at any work / project.

Methodology

- Lead faculty presentation and facilitation.
- Effective brainstorming with rigorous QnA.
- Case studies and exercises.
- Sharing industry best practices.
- Showcasing sample projects.
- Initial project guidance.

Course Contents

• Introduction to Six Sigma	• The need to do Six Sigma in any organization
• Overview to DMAIC Methodology	• Seven Tools of Quality

• Define Phase
  • What is Define Phase under DMAIC?
  • Elements of Define Phase.
  • Selecting Projects.
  • Understanding Customer Needs.
  • Understanding CTQs and identifying them.
  • SIPOC diagram
	• Improve Phase
	  • What is Improve Phase under DMAIC?
	  • Introduction to FMEA.
	  • Create possible solutions for root causes.
	  • Pilot implementation of plans.
	  • Implementation of plans on fulltime basis
	  • Using Cp, Cpk, DPU, DPMO, Sigma levels

• Measure Phase
  • What is Measure Phase under DMAIC?
  • Introduction to Statistics.
  • Introduction to Process Capability
  • Measurement System Analysis using Goal Question Metric (GQM) methodology.
  • Identify key internal processes that influence CTQs and measure defects currently generated relative to those processes
  • Calculate starting sigma levels
  • Using Pareto, Correlation analysis matrix.
	• Control Phase
	  • What is Control Phase under DMAIC?
	  • Calculation of savings realized
	  • Documentation of future sustainment plans
	  • Planning of regular audits
	  • Using Capability Analysis
	• Summary, Q n A

• Analyze Phase
  • What is Analyze Phase under DMAIC?
  • Statistical Techniques to determine root causes
  • Introduction to Hypothesis Analysis, Design Of Experiments, Regression analysis
  • Inferential Statistics.
  • Using control charts, histograms.	

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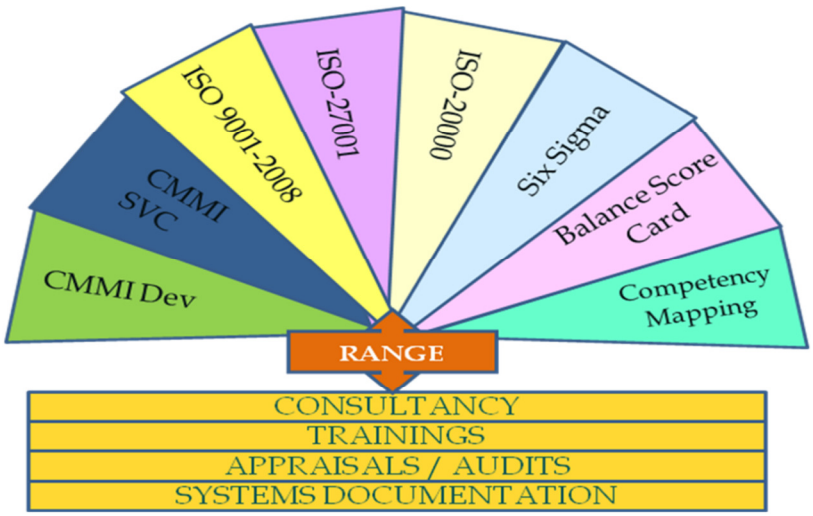
ORGANIZERS: SERVICE PROFILE

- Established in 1992.
- 265 +Satisfied customers in– India, Chile, Mexico, China, Portugal, Greece, Singapore, Romania, Spain, Brazil, Kuwait, Malaysia, Taiwan.
- Experience of 325+ man-years.
- Success of 101 CMMi appraisals
- 125 + Consulting projects
- Trained more than 17,000 + IT professionals internationally.



Customers Delight

MASTEK Ltd: The course material was exhaustive and got a fair understanding of the subject.

ICICI INFOTECH: (a) Excellent Opportunity to share knowledge. (b) Helpful experience sharing from the visiting faculty.

GODREJ INFORMATION: A good understanding of the subject.

BIRLA TECHNOLOGIES: A good understanding of the process to implement subject.

SIEMENS: The trainer has good knowledge of the subject.

BLUESTAR INFOTECH: The instructor provided valuable examples from his experiences. He is excellent in his job. Relates very well to our experiences and problems. Very methodological. Humorous nature.

TRIGYN: Examples provided, were from real time scenario, very easy to understand and correlate. Very effective in explaining overall concepts. Good communicator and inspiring trainer.

DNV: Examples provided by the trainer were very relevant and very effective in understanding the concept. Very useful