



Department of Industrial Engineering, Pandit Deendayal Petroleum university has organized 4 days Lean Six Sigma Green Belt training and Certification course on 1st, 2nd, 8th and 9th April 2017. The course is designed by Concept Business Excellence Pvt. Ltd.

Trailing is provided by experts from Concept Business Excellence Pvt. Ltd.

1] Dates of course: 1st & 2nd April 2017 and 8th & 9th April 2017

2] Time -Venue: 9:30am – 4:30pm E- Block 105

3] No of students: 40

4] Speakers: Mr. Arnab Sarkar and Mr. Hiren Kakkad

Course Overview:

Six Sigma is a disciplined data driven approach for reducing variation in any process – from manufacturing to transactional and thereby eliminating defects. The goal is to achieve near perfection (3.4 defects per million opportunities). Process improvements and variation reduction are achieved through application of Six Sigma improvement projects, which in turn, are executed following either the DMAIC (Define, Measure, Analyze, Improve, Control) or DMADV (Define, Measure, Analyze, Design, Verify) methodologies. Green Belts are the key players in execution of Six Sigma improvement projects.

About CBEPL:

CONCEPT BUSINESS EXCELLENCE PVT. LTD is one of the largest and professionally managed Business Consulting and Training Company that provides

services in Strategy, Innovation, Problem Solving and Business Transformation across all industries and is recognized at a National and International Level. Since inception in 1998, Concept has partnered with more than 800 well established clients in solving their most critical business problems and transformed them to achieve sustainable results and saved millions or rupees through implementation of best practices.

CBEPL has trained more than 22000 people in various industries and has conducted more than 1000 training programs.

Course Content

OVERVIEW OF SIX SIGMA AND THE ORGANIZATION:

A. Six Sigma and organizational goals

- » Value of Six Sigma
- » Organizational goals and six sigma projects
- » Organizational drivers and metrics

B. Lean Principles in the organization

- » Lean Concept
- » Value-streaming mapping

C. Overview of DFSS ; DMAIC Vs DMADV

DEFINE PHASE:

A. Project Identification

- » Project Selection
- » Process elements
- » Benchmarking
- » Process inputs and outputs
- » Owners and stakeholders

B. Voice of the customer (VOC)

- » Customer Identification
- » Customer data
- » Customer requirements

C. Project Management Basics

- » Project Charter
- » Project Scope
- » Project Metrics
- » Project Planning tools
- » Project documentation
- » Project risk analysis
- » Overview of Change Management
- » Project Closure

D. Process Performance

E. Team Stages and Dynamics

MEASURE PHASE:

A. Statistical distributions

B. Collecting and summarizing data

- » Type of data and measurement scales
- » Sampling and data collection methods
- » Descriptive statistics
- » Graphical methods

C. Measurement systems analysis (MSA)

D. Process and Performance Capability

- » Process performance vs. process specifications
- » Process capability studies
- » Process capability (C_p , C_{pk}) and Process performance (P_p , P_{pk}) indices
- » Short-term vs. long-term capability and sigma shift

ANALYZE PHASE:

A. Exploratory data Analysis

- » Multi-vari studies
- » Correlation and liner regression

B. Hypothesis testing

- » Basic
- » Tests for means, variances and proportions

IMPROVE PHASE:

A. Root cause analysis

B. Lean Tools

- » Cycle-time reduction

CONTROL PHASE:

A. Statistical Process Control (SPC)

- » SPC Basics
- » Rational subgrouping
- » Control chart

B. Control Plan

Coordinators:

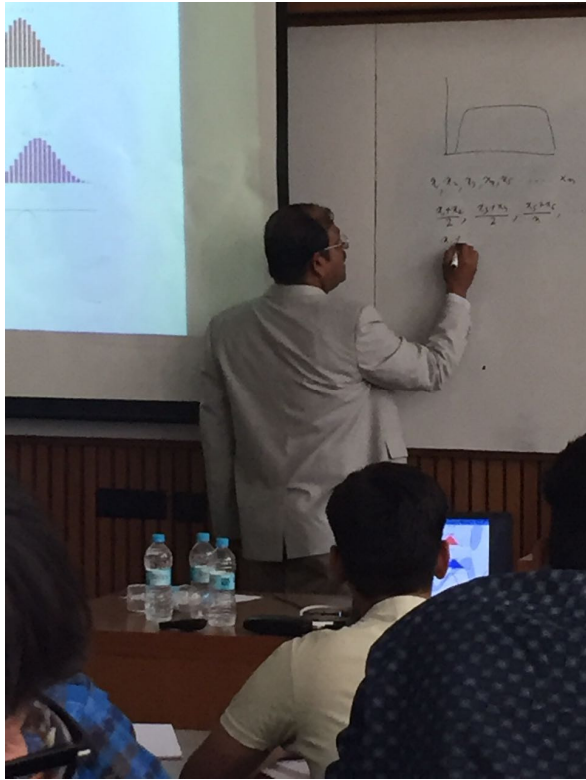
Mr. Manish Mishra

Mr. Vishal Ashok Wankhede

Photo Gallery:

1st and 2nd April 2017







8th and 9th April 2017



