



FICCI in Collaboration with SSA Business Solutions offers



International Association for Continuing Education & Training (IACET), USA Accredited

## Lean Six Sigma Green Belt Training

Jan 27-31, 2014

at

FICCI, NEW DELHI

### 1. COURSE OBJECTIVE

The aim of the course is to provide an understanding of the principles and practices of Lean Six Sigma to improve business processes by reducing variations in the process and spear head six sigma implementation in organizations.

The Lean Six Sigma Green Belt Course is structured under the framework of **RDMAIC<sup>®</sup> methodology (Recognize – Define – Measure – Analyze – Improve – Control)** to apply zero defect methodology in a very systematic manner. This course is designed to cover Six Sigma principles in manufacturing and service industry.

### 2. ATTEND THIS COURSE IF YOU WANT TO:

- ✓ Understand the need, origin and concept of Lean Six Sigma
- ✓ Carry out project selection after having clear understanding of VOC, SIPOC, Project charter and identify meaningful projects
- ✓ Convert real life problems into measurable problem
- ✓ Establish valid measurement systems to perform data collection
- ✓ Establish current process capability by analyzing the data.
- ✓ Identify root causes by doing data analysis
- ✓ Find appropriate solutions that lasts for lifetime

### 3. WHO SHOULD ATTEND THIS COURSE:

- Business Leaders
- Manufacturing Engineers/ Quality Consultants
- Process Owners / Managers
- Quality Assurance / Operation Managers
- Business Excellence Leaders
- All those who are specialized in point optimization using six sigma tools

### 4. PREREQUISITE

There is no prerequisite; however delegates having basic knowledge of Six sigma and Lean concepts will have an added advantage. All candidates are also required to **bring a laptop** equipped with Microsoft Windows 2000 or later for use during training.

### 5. COURSE MATERIAL

All participants will be provided Course kit comprising of training bag, detailed course material, notepad, pen, pencil, sharpener, highlighter etc. for use during the training.

### 6. CERTIFICATE

Those participants who successfully complete the continuous assessment during the course and also the written examination, which is conducted on 5<sup>th</sup> day of the course, **will be issued "Green Belt" certificate by FICCI Quality Forum and SSA Business Solutions.**

### 7. RECOGNITION

The course is accredited by the **International Association for Continuing Education and Training (IACET)**. The course meets the training requirements for individuals seeking fundamental knowledge of Six Sigma and Lean Management Systems concepts

### 8. COURSE SCHEDULE & REGISTRATION PROCEDURE

The course is of non-residential nature. It starts at 0900 hrs and goes up to 1800 hrs daily for the first four days & on the fifth day the course finishes at 1700 hrs after the written examination. Tea/Coffee and working lunch is provided by the organizers.

**The fee for the course is Rs. 25,000/- per participant plus 12.36% Service Tax (Total Rs. 28,090/-)**

For joining the course, participants need to send their particulars (name, designation, email, contact no. etc) along with fee by draft/cheque payable at Delhi in favour of "FICCI QUALITY FORUM".

The seats in the course are limited to maximum 20 and are allocated on first-come-first served basis.

### 9. ABOUT OUR LEAD FACULTY

Mr. Nandha Kumar has over 10 years of rich experience of working with companies spread across various sectors in their Six Sigma Implementation. As a Master Black belt he has trained more than 100 Black Belts, 300 Six Sigma Green Belts, and more than 400 Yellow Belts.

Apart from being a statistical expert Mr. Kumar is also a Business Excellence Assessor, a certified ISO 27001 (ISMS) a certified Lead Auditor of OHSAS and certified ISO 9001 Lead Auditor.

Some of the prestigious clientele handled by Nandha Kumar include **TAFE, ITC, Dun & Bradstreet, Mahindra, Godrej, PAR Pharma, National Stock Exchange, RIL, Axis Bank, ICICI Bank etc.**

## 10. ABOUT FICCI QUALITY FORUM

FICCI Quality Forum (FQF) is a specialized division of FICCI set up to sharpen the competitive edge of Indian Industry. FQF provides training, consultancy and research services focused on enhancing the quality quotient of clients and partner organization. FQF in collaboration with Nigel Bauer and Associates, UK offers IRCA, UK approved Auditor Lead Auditor training courses on Quality Management System (QMS) ISO 9001, Environment Management System (EMS) ISO 14001, Food Safety Management System (FSMS) ISO 22000, Occupational Health and Safety Management System (OHSAS) 18001. We also provide FICCI certified trainings on ISO 17025 Laboratory Management System, ISO 50001 Energy Management System standards.

In addition we also provide training on Six Sigma; Lean, Green and Black Belt certification, TQM, CDM, Project Management, training on Leadership, Organizational Excellence, Creativity and Innovation etc. We also provide consultancy on effective implementation of above management systems standards leading to certification and six sigma implementation.

## 11. ABOUT SSA

SSA is a leading management consultancy firm headquartered in Mumbai, India with a footprint across Asia-Pacific, Middle East and Europe. SSA provides tailor-made solutions for the various problems faced by an organization with special focus on improving profitability and reducing costs. Founded in 1999 with a missionary zeal to make 'Made in India Synonymous to Quality'.

In well over a decade of its existence, SSA has worked successfully with valued clients such as Pfizer, DHL, Maruti Suzuki, Reliance Industries, Vodafone, Bharat Petroleum, Novartis, Cadbury, and National Stock Exchange of India, to name a few, and has effected cumulative savings of over US \$200 million.

SSA is recognized as the first and only institution in India to be accredited to the prestigious IACET, USA (International Association for Continuing Education & Training). SSA offers a host of training and certification programs on topics ranging from QbD, Lean and Six Sigma to Performance Scorecard.

## 12. COURSE VENUE

### Federation of Indian Chamber of Commerce and Industry (FICCI)

Federation House, 1, Tansen Marg

New Delhi –110001, India

**For further details & to reserve your seat, please contact:**

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## 13. COURSE CONTENT

### 1.0 Introduction

- 1.1. Introduction
- 1.2. Changing Business Scenario
- 1.3. Introduction to Lean Six Sigma
- 1.4. Overview of RDMAIC Methodology

### 2.0 Recognize Phase

- 2.1. Success Factors of Six Sigma Movement
- 2.2. Mantra of Project Selection
- 2.3. Project Selection Technique
- 2.4. External Projects
- 2.5. Internal Projects
- 2.6. Throughput Yield Calculations

### 3.0 Define Phase

- 3.1. Basic Six Sigma Terminologies
- 3.2. VOC to CTQ Drill-down
- 3.3. Prioritizing Requirements
- 3.4. The Kano Model
- 3.5. SIPOC
- 3.6. Project Charter
- 3.7. Stakeholder Management

### 4.0 Measure Phase

- 4.1. Building Blocks of Statistics
- 4.2. MSA
- 4.3. Screening of Data
- 4.4. Value Stream Mapping with iGrax®

### 5.0 Analyze Phase

- 5.1. Cause & Effect Analysis
- 5.2. Hypothesis Testing
- 5.3. Regression Analysis
- 5.4. Creating Continuous Flow
- 5.5. Lean System Design

### 6.0 Improve Phase

- 6.1. Solution Generation Techniques
- 6.2. Setup Time Reduction
- 6.3. Poka Yoke
- 6.4. Kaizen, 5S, Cell Design
- 6.5. Benefit Cost Analysis
- 6.6. Risk Assessment & Pilot

### 7.0 Control Phase

- 7.1. Process Management System
- 7.2. Statistical Process Control
- 7.3. Standardization and Documentation
- 7.4. Continuous Improvement
- 7.5. Project Closeout & Storyboard