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**Executive Training Programme in**  
**Process Excellence**  
**(with Sigma XL Software)**  
**25-26 October 2014**

**Venue**

IIT Kharagpur Extension Centre  
HC Block, Sector III  
Salt Lake City, Kolkata – 700106



**Department of Industrial & Systems Engineering**  
**Indian Institute of Technology Kharagpur**

**COORDINATORS**

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# **Executive Training Programme in** **Process Excellence** **(with Sigma XL Software)** **25-26 October 2014**

## **WHY PROCESS EXCELLENCE?**

Global competition has caused fundamental changes in the competitive environment of manufacturing industries. Firms must develop strategic objectives which, upon achievement, result in a competitive advantage in the market place. For all manufacturing industries, increased productivity and better overall efficiency of the production line through process excellence are the most important goals. In tune with the changes in environment, the industry has to have continuous as their goal which will ultimately lead to innovation and product development. The process has to be stable ensuring excellence and thus should give scope for continuous improvement. Industries often suffer from the lack of a systematic and consistent methodology. In particular the manufacturing world has faced many changes throughout the years and as a result, the manufacturing industry is constantly evolving in order to stay ahead of competition.

An organization adopting manufacturing excellence practices can improve upon:

- Eliminate waste
- Improve customer satisfaction with better service and delivery
- Improve resource utilization (Man, Machine, Material)
- New product introduction
- Reduce costs
- Develop people: Increase skill, morale, and productivity

The challenge of attaining manufacturing excellence lies in process thinking. Process thinking is a structured approach that views a firm and its various activities and functions in terms of the underlying processes and improve these holistically.

**The focus of this program is to acquaint the participants with Manufacturing Excellence practices. The course will focus on the fundamental principles, key tools and core methodologies of Manufacturing Excellence.**

## **HOW THIS PROGRAMME IS DIFFERENT:**

### **THIS PROGRAM INCLUDES HANDS-ON EXERCISES ON DATA ANALYSIS USING MOST POPULAR SOFTWARE SIGM XL**

Process excellence practices helps organizations to achieve competitive advantage in the market thorough an enhanced performance on throughput, quality, delivery lead time etc. If an organization is to achieve manufacturing excellence, the people involved almost inevitably need enhanced technical, job related knowledge and skills. They also need critical thinking skills to form a common language for initiating and implementing change.

This program is designed to provide participants with sufficient knowledge and skill of the Manufacturing Excellence to implement the culture of continuous improvement across the company to achieve manufacturing excellence.

# **Executive Training Programme in**

## **Process Excellence**

### **(with Sigma XL Software)**

### **25-26 October 2014**

#### **OBJECTIVES:**

- Building in confidence and capability amongst the participants in mapping the organizational activities and problems in terms of Manufacturing Excellence
- Providing exposure to the participants on some key tools and techniques and its applications through live case studies which could help them to drive improvement process leading towards a journey for achieving manufacturing excellence.

#### **TARGET PARTICIPANTS:**

The Process Excellence program is for **middle and senior level managers** (*pertaining to Manufacturing and Service industries*) seeking to learn and implement the process improvement in their organization. It is the most appropriate program for managers, **holding positions of responsibility within functional departments of large, medium and small business houses.**

#### **PROGRAMME RESOURCES:**

Faculty Experts from IIT Kharagpur will conduct course sessions. The program will be well supported by the learning resources like exercises, power-point presentations, cases, videos etc.

#### **PROGRAMME CONTENT:**

- Perspective on process excellence
- Lean engineering: Tools and Techniques
- Kaizen: Continuous improvement strategy
- Six sigma: DMAIC methodology
- Quality control tools and techniques: Seven QC tools, Controls Charts, Gage R&R analysis, Process capability analysis
- Total Productive Maintenance (TPM)

**The program content will be supported by exercises using SIGMA XL.**

#### **PROGRAMME VENUE:**

**IIT Kharagpur Kolkata Campus**  
HC Block, Sector – III  
Salt Lake City, Kolkata – 700106

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**HOW TO APPLY?**

The interested candidates are requested to send their registration form along with bank draft *or* multi-city A/C payee cheque drawn in favor of “CEP-STC, IIT Kharagpur” payable at Kharagpur to one of the coordinators **on or before 15<sup>th</sup> October 2014.**

The brochure can be downloaded from the website <http://www.iitkgp.ac.in/topfiles/stc.php>

**A certificate of participation will be issued from the Office of Dean (Continuing Education), Indian Institute of Technology Kharagpur, to all the participants.**

**Late registrations are regretted!**  
**Total number of seats is restricted to 20.**

**COURSE FEES**

The fee for the TWO-DAY Program is Rs. 20,000/- per candidate.

The **course fee includes** training kits, working lunch and tea/ coffee & refreshments during lecture schedule.

**The course fee DOES NOT include accommodation for the participants.**

A good number of hotels in the Salk Lake area, Kolkata are available and candidates may book their accommodation in advance on their own.

**Payment is to be made through bank draft *or* multi-city A/C payee cheque drawn in favor of “CEP-STC, IIT Kharagpur” payable at Kharagpur.**

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**Registration Form**

1. Name: \_\_\_\_\_
2. Affiliation: \_\_\_\_\_
3. Educational Qualification:  
\_\_\_\_\_
4. Address for Correspondence:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
5. Telephone: \_\_\_\_\_
6. Mobile: \_\_\_\_\_
7. E-mail: \_\_\_\_\_
8. Draft/ Cheque Details:  
Draft/ Cheque No. \_\_\_\_\_  
Date: \_\_\_\_\_  
Amount Rs. \_\_\_\_\_  
Bank: \_\_\_\_\_  
Branch: \_\_\_\_\_

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Signature of the participant

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Signature of the Sponsoring Authority

(with Seal)