

**Certification Course on World Class Manufacturing Practices for Achieving Zero Defects**  
**On 21 -23 March 2019: Bangalore @ Plant Environment**

CII Institute of Quality is pleased to announce **Certification Course on World Class Manufacturing Practices for Achieving Zero Defects** on 21-23 March 2019: Bangalore @ Plant Environment.

In today's competitive environment and increased level of globalization, Indian industries need to adopt World-Class Manufacturing Practices for achieving zero defects in a consistent manner. World-Class manufacturing strategies focus on, process & product quality for customer satisfaction and reducing the Quality Costs, JIT Production techniques, workforce management, agility in meeting customer requirements and lean cum learning organisation. Implementing world class manufacturing practices will enable the company to be one of the best in each field viz. Quality, Price, Delivery speed, Delivery reliability, Agility and creativity.

The Objective of this 3 day program is to **learn, refresh and understand the methodology and manufacturing techniques** ,Quality system ,process quality in manufacturing through **case studies, group discussions, interactive sessions with industry experts** who have years of experience in successfully implementing manufacturing problem solving techniques and quality management systems in various production units.

Plant visit will be part of the program.

Participants will be assessed and certified during the workshop with their involvements during the program.

**FOCUS AREAS**

- Zero defect program planning
- Importance of Basic Applied Industrial Statistics for zero defects, Normal Distribution
- Process, Process Mapping 7M s
- Competency Mapping, Multi Skilling, Bench Marking, X bar & 6s control  
Chronic & Sporadic defects handling
- Matrix Diagram - Critical characteristics
- Improvement of FMEA ,doing FMEA link to shop floor and how to get good results
- Set up Approval of Process & Loss Function
- Statistical Process Control and Process Stability, Capability Cpk ST, LT
- Drawing Tolerance and Product Approval
- Cost of Quality and its relevance to Manufacturing
- PDCA - Importance of SDCA Parameters, Locking of Parameters, Continual Improvement Process
- PPAP - process, products acceptance, five batches
- Measurement Systems, Metrology linked with GD&T. Customer and Organization measurements
- Mistake Proofing-Levels and .Master Audits
- Zero Defect Tool usage in Manufacturing line

- FPY - First Pass Yield
- Root Cause Analysis, 3P methodology
- Machine Capability Study Short term study -Cmk
- Control of Visual defects, Missing, Mix up of defects
- Plant Lay out, Storage plan and its importance
- W C M Parameters Guide lines

### **Key Take Aways**

After undergoing the program, the participants will be able to -

1. Customer satisfaction
2. Higher Revenue & Less cost
3. Shorter reaction times to deviations
4. Optimal use of resources and more robust processes
5. Efficient planning and control
6. Increased transparency of target / actual status and their trends

Efficient communication and increased self-discipline in the teams

### **Participant Profile**

This program will benefit Personnel from Production, QA Engineers, Supplier Quality personnel, Process Design Engineers, Quality Control Engineers, Maintenance engineers, Methods engineers, Consultants, Professors from Colleges, Entrepreneurs Executives/ Engineers and Process Owners from Manufacturing units etc.

### **Delegate Fees:**

- CII- Members: Rs. 22,000/- Plus 18% Service Tax for Non Residential. For Residential extra 15,000 + 18% Service Tax will be added which includes local transport, B/F, Lunch and Dinner.
- Non-Member: Rs. 24,000/- Plus 18% Service Tax.

### **Certification:**

Participants will get the successfully completed World Class Manufacturing Practices for Achieving Zero Defects certificate.

**For registration you can contact Ms Supriya @ +91-7338286169, Email: [lss.mktg@cii.in](mailto:lss.mktg@cii.in)**