



STRENGTHENING SUPERVISORY CAPABILITIES OF THE AUTOMOTIVE SUPPLY CHAIN

Capability Building

Automotive organisations have always been working closely with their suppliers and have helped their development with technical assistance. However, with rapid growth and increased regulatory requirements, the emphasis needed on skill building has grown significantly. This has increased the complexity in keeping the supplier work-force up to date with the customer's performance requirements.

CORE FUNCTIONS

Customers continue to expect suppliers to deliver on cost, quality and delivery. MCS offers the Core Functions programme to develop all-round skills of supervisors who are the lynchpin of the supplier organisation.

Key Programme Features

- Structured curriculum, 50 hours, 5 month programme
- Focus on operations and good working practices
- Training available on-demand in select regional languages
- Aids audit requirements by tracking learner progress
- Programme of certification offered through IIMM
- Scheduled mentor visits for learner support

Who is it for?

- This programme is for supervisors and potential supervisors working with automotive component suppliers and discrete manufacturing companies
- OEMs and Tier-1 companies looking to develop their supplier organisations on all aspects of Operational Performance

MODULES COVERED

1. Introduction

- Introduction to SSB
- Skill Development for Automotive Industry

2. Business Foundation

- Business Fundamentals
- The Automotive Supply Chain
- Organisation Framework
- Voice of the Customer

3. Data Management

- Item Master
- Bill of Materials
- Material Specification
- Cost Management
- Codification of Materials

4. Quality Management

- Introduction to Quality
- Quality Planning
- Quality Operations
- Quality Tools

5. Planning

- Manufacturing Strategy
- Demand Planning
- Material Requirement Planning
- Capacity Planning
- Planning Applications
- Planning Workflows
- Sample Documents and Checklists
- Roles in Plannings

6. Production

- Manufacturing Process
- Safety in Operations
- 5S
- Lean Manufacturing Basics
- Scheduling
- TPM
- Poka Yoke
- Production Workflows
- Roles in Production Management

7. Inventory

- Inventory Management
- Inventory Planning
- Stock Valuation and Reporting System
- Inventory Reduction Strategies
- Inventory Management - Performance Standards

8. Procurement

- Purchase Requisition
- Supplier Selection
- Purchase Order
- Material Receiving and Inspection
- Purchase Documentation
- Procurement Workflows
- Roles in Purchase Management

Skill Development Challenges for Suppliers

- Changing quality and operational requirements from customers
- Need for people to take on multiple roles
- Issues of attrition and growth
- Lack of qualified training faculty
- High cost of training and re-training
- Taking people off work for training programmes

MCS offers online programmes with on-site mentors for skill building.

ADVANCED QUALITY

The drive for improvements in Quality is relentless. Organisations need to ensure that all employees working in operations stay abreast of changing standards and related documentation. MCS offers a robust programme to elevate and maintain the organisation's adherence to quality processes.

Key Programme Features

- Structured curriculum, 40 hours, 4 month programme
- Focuses on all aspects of Advanced Quality Management
- Helps demonstrate learner performance
- Latest topics relevant to Automotive Quality Standards included
- Continuous learning programme

Who is it for?

- This programme is for all operational staff needing to keep current with automotive quality standards
- OEMs and Tier-1 companies looking to develop their supplier organisations on all aspects of Quality Management

MODULES COVERED

1. Quality Fundamentals

- Quality Fundamentals
- Technical Specifications (TS16949)
- International Automotive Task Force
- 5S

2. Quality Planning

- Introduction to Quality Planning
- Advanced Product Quality Planning (APQP)
- Production Part Approval Process (PPAP)
- FMEA

3. Quality Operations

- Organising for Quality
- Developing Quality Culture
- Workplace Organisation
- Standard Operating Procedures
- Poka Yoke

4. Quality Control 1

- Basic Statistics and Measurement Systems Analysis (BSMS)
- Geometric Dimensioning and Tolerancing (GD&T)
- 8D - Problem Solving Techniques
- 7 QC Tools
- Corrective Action Preventive Action (CAPA)
- Root Cause Analysis (RCA)

5. Quality Control 2

- Statistical Process Control (SPC) (I & II)
- Measurement System Analysis (MSA)
- Inspection and Testing
- Product Acceptance (PA)
- Quality Assurance (QA)
- Design of Experiments (DOE)
- Correlation Regression

6. Quality Improvement

- Overview of Six Sigma
- Quality Management System
- Cost of Quality

7. Process Audit

- Preparing for Customer Audits
- Audit Tools
- CQI 9 - Heat Treatment Assessment
- CQI 11 - Plating System
- CQI 12 - Coating System
- CQI 19 - Sub-Tier Supplier Management
- CQI 21 - Effective Problem Solving Leader Guide

Benefits

- ◆ Online, On demand
- ◆ Supports continuous learning for the organisation
- ◆ Simple to use
- ◆ Learn at individual pace
- ◆ Low cost per learner
- ◆ Highly scalable solution
- ◆ Flexibility
- ◆ Regional language content makes it easier for users to follow

Methodology

- ◆ Video sessions by experienced industry faculty
- ◆ E-learning content, notes, exercises, and case studies
- ◆ On-site scheduled visits by mentors
- ◆ Tracking learner progress and improving success
- ◆ Content in line with industry and national standards
- ◆ Help desk for query handling and support

MetaCog Solutions Pvt Ltd. (MCS), formed in 2012, provides skill development solutions in Supply Chain Management and Operations Management with a special focus on Automotive Industry.

MCS provides innovative solutions for large-scale capability building. The company works with leading automotive customers to develop the skills of the supplier network.

Certification and Assessment Partnerships

To provide solutions based on national standards, we have partnerships with the Automotive Skills Development Council (ASDC) and the Indian Institute of Materials Management (IIMM).



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