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WORK SHOP ON STATISTICAL PROCESS CONTROL

OBJECTIVE:

The word “QUALITY” is not a component which could be attached into the product at the time of delivery or it is not a Flavour that can be added separately. Quality is not a Quality department’s job. It is made by everyone attached to the organization. How this can be made as a routine activity in a Business? The main objective of this training program is to educate the audience on “How to build QUALITY into the product while it is getting shaped into a final product”.

INTRODUCTION:

This program is designed to fulfill the above objective and in line with AIAG manual 2nd edition.

- Introducing the Basic Statistics.
 - Understanding variations
 - Types
- process performance.
- predict the process performance
 - of variations
 - Significance of SPC
 - Roles of SPC
 - Introducing Normal Distribution
- Introducing Control Chart and steps for drawing Control chart
- Deriving Distributions from Control Charts
- Calculating Process Capabilities
- Identifying out of control situations and taking corrective measures

CONTENTS

1. *What Is Quality?*
2. *Concepts Of SPC*
3. *What is a Process?*
4. *Basic steps to apply SPC*
5. *Control Chart Principles*
 - a. Types of Control Charts
 - b. Method of Selecting Control Charts
 - c. Method of plotting Variable and Attribute Charts
 - d. Interpretation of Charts trends with Simulated data
6. *Process Capability and introduction to 6σ*
7. *Summary*

METHODOLOGY:

1. Introducing the concepts.
2. Step by Step explanation of the Control Charts.
3. Illustrating with worked out examples.
4. Explaining the different situations with manipulated data.
5. Classroom exercises.



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LANGUAGE:

MATERIAL : English

LECTURE : Tamil or Hindi or English (As desired by the participants)

TARGET GROUP:

* Supervisors / Technicians - Production / Quality

* Engineers / Executives - Production / Quality

LEARNING OUTCOMES:

At the end of the session, the delegates will be able to

- understand the concepts of control charts.
- identify abnormal condition.
- derive information about the data

PROFILE OF THE TRAINER MR. V. RAMAVALLABHAN

Background:

- *Physics Graduate with Post Graduate Diploma in Master of Business Administration (PGDMBA), Diploma in Production Management (DPM).*
- **Certified Lead Auditor** –
 1. ISO 9001 (IRCA),
 2. ISO 9001 (RABQSA),
 3. ISO/TS 16949 (SMMT-IF, UK - IATF)
 4. ISO/TS 16949 (AIAG, IAQB, USA - IATF),
 5. AS 9100C(RABQSA),
 6. ISO 27001 (NABET)
 7. ISO 14001(IEMA),
 8. OHSAS 18001(IRCA)
 9. ISO 50001 (BSI)
- **VDA 6.3 Module E Process Auditor in the Product Life Cycle (VDA - QMC. Germany).**
- **Certificate of Lean Competency** – Lean Manufacturing from QCI.
- **Certified IPC Specialist** : IPC/WHMA-A-620 Requirements and Acceptance for Cable and Wire Harness Assemblies.



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Key Attributes:

- *Over 2 decades exposed to Multi Branches of industries namely **Electrical, Electronics, Mechanical, Plastics and sophisticated screen printing**, in the areas of **R & D, Manufacturing, Quality, Reliability, Supplier Development, Product Transfer, Agency Approvals, Customer Support, Process Engineering, Etc.***
- *Over a decade in Training and Consulting*
- *Traveled to countries like **Singapore, USA and Srilanka** for New Product development, Supplier development, Product Transfer, Training & Development of the employees.*
- *His excellence in man management during his corporate life has lifted him to great heights.*
- *His interpersonal relations and easy access among various levels of the organization he is working with is a great attraction and advantage.*
- *Presented papers in International seminar on various topics like **TQM, Global Warming**, etc.*
- *Currently since the year 2005 offers **Training (Technical & Soft skills)** and covered 1000s of participants.*
- *The training sessions are handled in 3 languages namely, **Tamil, Hindi and English**. Covered 1000s of participants. Though based in Chennai, travel throughout India and provide **Training and Consulting**. So far provided training in Uthanchal, Faridabad, Noida, Surat and Pune on various concepts in north. In south provided training and consulting in Tamilnadu, Andrapradesh, Karnataka and Kerala.*
- ***On Consulting**, completed and working on various projects on Business Process Development, TQM, Quality Circle Consulting including preparing the team members for competition, Jury in Quality Circle Competition, Product Transfer, 5S, Waste Elimination, Kaizen, FMEA, PPAP Documentation, **Facilitate Documenting, Implementing and Certification of ISO 9001, ISO 14001, OHSAS 18001, ISO/TS 16949, ISO/TS 29001**, etc.*
- *The industries trained and undertook projects include Automobile, Electronics, Electrical, Mechanical, Plastics, Casting, Forging, Printing, Cement, Sugar, Rubber, Chemical, Construction, Fabrication, Heavy Engineering, Shipping, Garments, FMCG, etc.*
- *His approach on implementing system will be **Simple, Practical, Cost effective** most importantly focusing on **most appropriateness that benefits the organization towards Return on Investments (ROI)**.*
- ***Awards:** Received Awards for best Soft Skills and Corporate Trainer.*

For more information (especially on Service record on training and projects, Clients, interesting Articles, etc.): Please visit: www.jvrconsultants.net
