



A Three Day Workshop on QFD, VE and DFM / DFA

QC Services

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Introduction

QFD : Quality Function Deployment

VE : Value Engineering

DFM / DFA : Design for Manufacturability / Design for Assembly

These three connected techniques constitute the most important approach for achieving competitiveness. QFD is a structured approach of improving customer satisfaction, VE constitutes approach of cost reduction and DFM / DFA constitute the approach of simplification which results in cost reduction and productivity improvement. A systematic application of these three connected approaches can lead to substantial benefit to the organization.

This workshop is designed as an interdisciplinary approach to integrate Managers and Executives from Design, Process Engineering, Manufacturing, QA and Materials to achieve tangible benefits to the organization. 15 to 18 participants from these functions can form 3/4 task groups for practical application in the organization. Guidance will be available from faculty during the application period.

Content

- Various view points on quality
- Function analysis - a fundamental tool (Case Studies)
- Steps in QFD
- Voice of customer
- House of Quality
- Parts Design and process Design
- Standard operating procedures and manufacturing instructions
- Case studies in QFD
- Function Tree and Optimization of Function
- Concept of Value
- Steps for Value Analysis and Considerations
- DFM – Design for Manufacturability
- Case Studies
- Practical Exercises on Value Engineering
- Practical Exercise on DFM

Participants

Managers and Executives from Design, Process Engineering, Industrial Engineering, Manufacturing, QA, Materials and other connected areas.

THIS WORKSHOP IS IDEAL FOR SIX SIGMA BLACK BELTS AS VALUABLE ADDITIONAL INPUT.

Charges

Please contact for details of charges and convenient dates,

G. H. Rahalkar

Director

QC Services

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About US

OUR PROFILE

QC Services, established in 1984, is a leading consultancy organization in manufacturing management.

We have a team of highly qualified professionals with vast experience working with us on a full time basis. We undertake implementation oriented consultancy and training, resulting in manufacturing improvement and cost reduction through application of modern manufacturing techniques and employee involvement.

We have a proven track record of implementing Statistical Process Control, TQM, Vendor Quality Improvement and Self Certification, Value Adding Management, 5-S, Productivity Improvements through Methods Design, Employee Involvement through Quality Circles, Kaizen & Training and implementation of ISO-9001,14001,18001 /QS-9000 / TS-16949.

We have introduced above modern concepts of Quality, Productivity and Employee Involvement in several reputed organizations.

(See CLIENTELE)

We have helped more than 70 organizations to achieve ISO / QS / TS / EMS / OHSAS certifications.

We also have Qualified Trainers for Six Sigma Methodology & also Certified Black Belts by American society for Quality. Now we are engaged in Training & Implementation of Six Sigma methodology for a few companies.

We specialize in designing Custom-Built trainings for our client-companies to qualify employees internally for Six Sigma Yellow / Green / Black belts. We provide on the job guidance for implementing complete cycle of DMAIC.

We are also training individuals (Self supported / Company sponsored) to appear for ASQ certification examinations & 55 candidates have so far obtained ASQ Six Sigma Black Belt Certification.

We have also trained about 200 candidates for Green belt Certification.

For the details, Please contact us at

sixsigma@qcserve.com or

visit us at:- www.qcserve.com

CLIENTELE

- Ahmednagar Forgings
- Bharat Forge
- Crompton Greaves
- Divgi Warner
- Force Motors(Bajaj Tempo)
- Garware-Wall Ropes
- Garware Polyesters
- Hindustan Composites
- JCB India
- Kalyani Lemmerz
- KCD-Kirloskar Group
- Keihin Fie
- Kirloskar Copeland-Karad
- Mahindra & Mahindra
- Newage Electricals India
- Poonawalla Group
- Reliance Energy
- Sandvik Asia
- Siemens
- Sterlite Limited
- Suzlon Energy
- Tata Motors-Pune
- Tecumseh India
- Thermax
- Uttam Galva Steels
- Whirlpool India
- Wyeth Limited

Brief Introduction of Faculty

MR. G. H. RAHALKAR:

- has around thirty years of experience in industry and consultancy
- A graduate engineer from I.I.T. Bombay and postgraduate in Business Administration from University of Pune

International Certifications:

- **Master Black Belt (MBB) by Indian Statistical Institute, Bangalore**
 - **Certified Six Sigma Black Belt by American Society for Quality (ASQ)**
 - **Trained Six Sigma Black Belt by Motorola University**
 - **Certified Quality Manager (CQM) by American Society for Quality (ASQ)**
 - **Certified Quality Manager (CQM) by Quality Council of Indiana, USA**
- Visited Japan in 1978 and 1982, to study Japanese Manufacturing Systems
 - Successfully implemented several modern concepts such as
 - Six Sigma ○ TQM ○ Kaizen ○ Productivity Improvement
 - SPC ○ Quality Circles ○ Value Adding Management
 - Successful implementation of above concepts in various Indian and multinational companies such as
 - Mahindra & Mahindra ○ Crompton Greaves ○ Bharat Forge
 - Siemens ○ Escorts JCB ○ Uttam Galva Steels
 - Tata Motors ○ KOEL – Castings Division
 - Thermax ○ Force Motor Co. (Bajaj Tempo)
 - **Closely involved with Mahindra & Mahindra, Farm Equipment Sector, during their implementation of Deming Award.**
 - **Mr. G.H. Rahalkar is a certified examiner for Ramkrishna Bajaj National Quality Award by Indian Merchant chamber.**
 - Has published over twenty papers on quality, productivity and employee involvement in Indian and American magazines.
 - His two papers were published in Quality Digest, USA in June 1988 and June 1989.

MR. PRABHAS SURANA :

- Is a rank holding Mechanical Engineer and a graduate in Industrial Engineering with a total exposure of more than 27 yrs. in the Indian Industries.
 - **International Certifications:**
 - **Certified Six Sigma Black Belt by American Society for Quality (ASQ)**
 - **Certified Quality Manager (CQM) by American Society for Quality (ASQ)**
 - **Certified Quality Engineer(CQE) by American Society for Quality (ASQ)**
 - **National Certification:**
 - **Certified Six Sigma Black Belt by Assocham**
 - **Certified Assessor for CII – EXIM Bank – EFQM Award**
 - Is a certified Lead Auditor and has also completed his D.B.M.
 - Attended Six Sigma Training by Dr. Keki Bhote who was with Motorola during their Six Sigma revolution
 - Working experience of 17 yrs. in various reputed companies like Tata Motors, Electronica Machine Tools, Kinetic Engineering, Kirloskar Electric Co. in the areas of Manufacturing, Quality Assurance, Vendor Development, Vendor Quality Improvement and Purchase and Materials
 - For last 10 yrs., as a **Consultant** he has been instrumental in helping many companies such as
 - Mahindra & Mahindra ○ Crompton Greaves ○ Bharat Forge
 - Siemens ○ Escorts JCB ○ Uttam Galva Steels
 - Tata Motors ○ KOEL – Castings Division
 - Thermax ○ Force Motor Co. (Bajaj Tempo)
- in the areas of training & implementation of **SPC, Lean Manufacturing, Product Standardization** & various modern manufacturing system like **SMED, Poka-yoka, DOE, FMEA** etc.
- **Closely involved with Mahindra & Mahindra, Farm Equipment Sector, during their implementation of Deming Award.**
 - Is actively involved in Training & on the job guidance for many **Six Sigma Black Belt** Projects
 - Well versed with **EMS and ISO / TS Systems**
- Has helped more than 70 companies achieve these certifications