



Dates: 23rd September, 2017.

Time: 9:00 am to 6:00 pm.

Venue: Evolve - by TCR, 215 Pancham Icon, Nr. D-mart, Vasna Road, Vadodara, Gujarat.

Course Objective:

Quality is defined as “meeting or exceeding customers' requirements now and in the future, i.e. the product or service is fit for the customer's use.” “The cost of quality” is a term that's widely used – and also widely misunderstood. While the term “quality costs” coined by Feigen Baum is technically accurate, it's easy for the uninitiated to jump to the conclusion that “better quality products cost more to produce”. Harrington adopted the name “poor quality costs” to emphasize the belief that “the investment in prevention and detection of product failures is more than offset by the savings in reductions in product failures”. Crosby in his bestseller “Quality is Free” pleads for building an attitude of “no reason for not doing it right” throughout the organization. It is in this context that the words of Henry Wadsworth Longfellow must keep ringing in our ears: “It takes less time to do a thing right, than it does to explain why you did it wrong.”

Quality Cost Categories:

According to Feigen Baum (1956), There are four quality costs categories such as prevention, appraisal, internal failure and external failure.

A. Prevention Costs: They are associated with activities that keep failure from happening, and keep appraisal costs to a minimum. Examples of prevention activities are Quality Planning, Quality circle meetings, Training programs, written procedures, Analysis of quality information, and Quality improvement projects.

B. Appraisal Costs: They are incurred to ascertain the product or service whether it conforms to quality standards. Examples of Appraisal activities are inspection of incoming work, supplies and materials, periodic inspection of work in process, final inspection and collecting quality data.

C. Internal Failure costs: They are incurred in order to correct non-conforming work prior to delivery to the customer. Examples of internal failure are scrap, rework, and machine downtime.

D. External Failure Costs: They are incurred to correct non-conforming work after delivery to the customer, or to correct work that did not satisfy a customer's specified standards.

Examples of external failure are warranty, Complaint Administration, Sales return, Product Liability.

Who Should Attend?

It is well acknowledged today that quality happens to be everybody's responsibility and not merely of the people working in quality department. So, all professionals having a passion for being associated with the evolution of best-in-class brand of their respective organizations are invited to go through this unique experience. This workshop is most beneficial for the middle level executives having about 8 to 10 years of working experience in a manufacturing industry.

Registration:

The course is limited to 20 candidates only. The allocation will be considered on first come first served basis. Interested candidates can register their names in attached registration form. Participants have to make their own arrangements for accommodation and local conveyance. The course fee is non-refundable; however, in case of cancellation of training course by TCR, it will be refunded. TCR accepts the change in nomination. The course fee includes participation, course material, and stationery. Tea / coffee and working lunch will be provided.

Course fee:

Single participant: Rs. 10,000.00 for Indian delegates and USD 300 for foreign delegates
GST @ 18.00 % applicable on above fees.

Payment Mode:

Interested participants should mail/ E-mail the registration form along with DD/at par cheque in favour of “TCR ADVANCED ENGINEERING P. LTD.” at address mentioned in registration form.

Forward your Registration forms to:

Mr. Roushan Kumar, HOD - Training
TCR Advanced Engineering Pvt. Ltd., 250/9 GIDC, Makarpura, Vadodara, Gujarat. Ph: 0265-2657233, 7574805594-96
Email: roushan@tcradvanced.com
Mobile: +91 7574801050

Registration form can be downloaded from our website:
<http://tcradvanced.com/coursecalendar.php>

For more course details, check our FB page: -
<https://www.facebook.com/EvolveTCR/>

Faculty:

The course will be conducted by renowned experts with vast experience in respective field. Course faculty are:



Prof. A. K SINGH
 FIE, FSPE, MISNT, MIIW, MIIM
 President (Power Plant & Turbine), TCR Advanced

Is Post Graduate (M.Tech.) in Turbo machines from I.I.T. Delhi, India. Has worked with L&T Power as Senior Faculty at their Power Training Institute at Knowledge City, Vadodara and as Director & Head of Vivekananda Institute of Vocational & Entrepreneurial Competence (VIVEC), Vadodara and laid down the foundation for its establishment. Has worked as Technical Advisor (Energy) with AbellonCleanEnergy Limited, Ahmedabad. Is quite passionate about generation of 'REGAWATTS' from biomass. Has been the Founder Chairperson of Bio-Energy Council of India. Has worked with ERDA (Electrical Research & Development Association), Vadodara as Director (CEO) for two years and as Additional Director for five years. Prof. Singh was Principal Investigator of DST sponsored Research Project entitled "Barriers to Generation, Commercialisation & Diffusion of Indigenous Technologies". Has worked as Professor of Mechanical Engineering at Sardar Vallabhbhai Patel Institute of Technology, Vasad & G.H. Patel College of Engg. & Technology, Vallabh Vidyanagar, Gujarat. Has been Chief of Engineering Group for Large Utility Steam Turbines & Turbo-Generators at Power Generation Segment, Vadodara of M/s ABB Ltd. Represented ABB India as a member of the ABB's Global Engineering Team for CIS (East European) Technology. Was a member of ABB's Global Task Team formed for developing special technical solutions for the Indian & Chinese markets. Was member of Technology Team of Power Generation Segment, ABB India. Was manager of the Turbine Spare Parts Centre of ABB India. As a strategic Supply Chain Management initiative, Mr. A K Singh led a cross-functional commodity team and successfully established manufacturing of industrial steam turbine blades at GIDC, Vadodara. Here he implemented the concept of "quality control by task performer" and use of Run Charts. Has rich working experience in the area of steam turbines for fossil-fuel fired and combined cycle power plants. Has worked as member of the Research project teams of Siemens, Germany and Corporate R & D Division of BHEL Hyderabad for development of Advanced LP Blading. He has specialization in aerothermodynamic design, development & engineering of low-pressure blading, flow-path design, guide blade carriers etc. Provides technology training in the area of steam turbines. Has contributed to development of many large utility steam turbine flow-path designs having improved heat rate which have been implemented at various thermal power plants in the country and have been operating for about three decades. Provides faculty services

to Engineering Staff College of India, Hyderabad, The School of Energy and Environmental Sciences, Devi Ahilya Vishwavidyalaya, Indore, SVNIT, Surat, MSU, Baroda, PMI, NOIDA etc.



Mr. Paresh Haribhakti
 MD, TCR Advanced.

- He has over two decades of experience in the field of metallography and microstructure examination and has solved more than 3000 industrial problems. He is pioneer in promoting in situ-metallography.
- Solved materials engineering problems and performed failure analysis on components from petrochemical plants, oil and gas transmission pipelines, offshore structures, ships, pharmaceutical plants, food processing equipment, gas turbine engine components, and weldments.
- He is the recipient of Gold Plaque from IIM. He is a Founder member of Metallography Society of India. He is member of the Institute of Engineers, Institute of Foundry Man, Indian Institute of Metals and Indian Institute of Welding.

Key Benefits:

Understanding the basic concept of variation and the role of 'task performer' for controlling quality and also becoming familiar with the Key Strategies that Reduce the Cost of Poor Quality will empower the participants to meet the challenges at their workplace. The tangible and non-tangible benefits of this transformation will be enormous.

Training Sessions
Topics
Quality Management
Cost of Quality
Quality Gurus and Their Strategies
The Seven Wastes