

Workshop on Applicative Six Sigma Green Belt Level

August 1 to 4 & 17, 2018
9:00 am to 5:00 pm
Venue: CEE@IBA, Karachi

FEEDBACK RATING*

Program 4.2/5
Faculty 4.4/5



OVERVIEW

This course develops the understanding of the participants around the famous Six Sigma Methodology, its barriers and applications. It depicts the role of strategy, team work leadership planning, comprehension of statistical tools, and experimental design in accomplishing, successfully a six sigma project. Objective of this certificate course is to expose the participants to the concepts of Six Sigma to improve their comprehension of defects and their reduction for improved Customer Satisfaction and Business Growth. This course work is comprised of definitions, principles, concepts, case-studies and implementation-strategies of Six Sigma. In this workshop, participants will not only be exposed to abstract Six Sigma Methodology but will also be encouraged to implement Six Sigma in a suitable area of their workplace. They will then present their application and findings after 1-week of the course. Companies will get benefited by this application of Six Sigma as their human capital will learn and apply. Another objective of this course is to prepare the participants for certification of ASQ's Certified Six Sigma Green Belt (CSSGB). Interactive discussions, lectures, videos, case-based and problems-based teaching methodology will be employed. Use of relevant software package will be another important facet of this course.

WHO SHOULD ATTEND?

- Professionals, Engineers, Managers, Executives from Manufacturing and Service Industries (Health Care, Academia & Government)
- Participants should preferably come with ideas where a Six Sigma Project can be initiated in their workplace.

FACULTY

Dr. Rameez Khalid PhD (France), PMP, CQSSBB, OCP, PE, Member Institute for Supply Management (ISM), is Assistant Professor at Institute of Business Administration (IBA), Karachi. Earlier he was affiliated with NED University. He is alumnus of NED from where he did his B.E. (Mechanical). He started his career from Abbott Labs.' Maintenance department; then joined public sector organization in Project Management department. He teaches in the academic programs of the Institute. Dr. Rameez has successfully completed numerous industrial projects where he applied such practical tools as the basic Quality tools, Cost of Quality, ISO Standards, Gage R&R, DOE, tools of Lean, CPM/PERT, Earned Value, Monte Carlo Simulations, SCOR, Linear Programming etc. His current research interests are: global projects management, project risk management, cost of quality (CoQ), design of experiments (DOE), ergonomics, flow-shop scheduling, SCOR application and business process simulation.

Ali Zulqarnain, Assistant Professor at NED University of Engineering & Technology, Karachi.

Ali Zulqarnain is Assistant Professor in Industrial & Manufacturing Engineering Department, NED University of Engineering & Technology, Karachi, Pakistan. He is an alumnus of NED from where he did his B.E. (Mechanical). He was the M. Engg./MEM Program Coordinator, Projects Coordinator and Class Advisor. He teaches Advanced Manufacturing Process, Reliability & Quality Engineering, Advanced Metal Forming, Total Quality Management (TQM), Six Sigma Methodologies, Statistical Quality Control (SQC), Machine Design & CAD, Plant Engineering, Metrology & Gauging, Quantitative Techniques, Mechanical Engineering Design at the Under-graduate and Post-graduate Level. His research interests are: Manufacturing Processes, Metal Machining, Sheet Metal Forming, TQM, Six Sigma, Reliability, Cost of Quality (CoQ), SQC, Design of Experiments (DOE). He has written/reviewed (in progress) number of Research Publications in the areas of Quality and Manufacturing. He has been associated with IBA (PGD-QM), IoBM, NUST (PN Engg. College), Pakistan Institute for Quality Control (PIQC), and Plastic Technology Centre (PTC).

LEARNING OUTCOMES

- The outcomes of this course are defined using Bloom's Taxonomy, which defines Levels of Cognition according to Complexity: Remember, Understand, Apply, Analyze, Evaluate, & Create.
- Contents of this workshop will be acquired by the participants at the level of cognition defined in "Topics Covered".

TOPICS COVERED

- Context: Value of Six Sigma and Certifications; Six Sigma and the Organization; Organizational Goals, Drivers and Measures; Project Life- Cycles: DMAIC and DFSS (DMADV). [understand]
- Define: Project Selection; Voice of Customer; Project Management: Project Charter and Project Tracking; Old and New QC Tools; Process Characteristics: SIPOC and Process Flow Charting; Rolled Throughput Yield (RTY), Cost of Poor Quality (COPQ), Defects Per Million Opportunities (DPMO); Team Dynamics and Performance. [apply]
- Measure: Process Analysis; Basic Statistics and Probability; Data Collection and Presentation; Measurement System Analysis (MSA); Process Capability. [apply, analyze & evaluate]
- Analyze: Data Analysis; Modeling relationships between variables: Regression, Correlation and Multivari; Hypothesis Testing. [apply & analyze]
- Improve: Basics of Design of Experiment (DOE); Root Cause Analysis; Lean Tools. [understand & apply]
- Control: Statistical Process Control; Control Plan. [understand]
- Project: Participants have to complete and present their Six Sigma Implementation Projects. [create] Co

Workshop Fees PKR 45,000/participant

Inclusive of Course material IBA Workshop Certificate Lunch Refreshments & Business networking

Experience

EXECUTIVE EDUCATION

Centre for Executive Education, IBA, Karachi

Center for Executive Education (CEE)
Institute of Business Administration City Campus.
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For Further Information

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