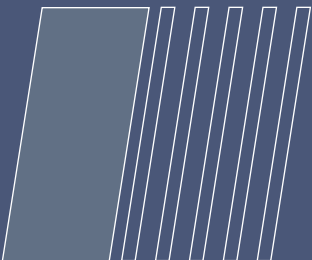


WORKSHOPS



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We conduct customized workshops on the selected areas of Six Sigma & Lean methodologies. These workshops deliver a quick application related understanding of the concepts covered.

The workshops are conducted in two mode,

Session 1 - Covers subject matter knowledge in class room mode or Video mode,

Session 2 - Allowing the participants to go to their respective work areas and apply the learning.

These workshops can either be a part of overall deployment program or can be conducted independently. One of the significant benefits of these workshops is delivering a quick and demonstrable understanding of specific Six Sigma & Lean concepts.

Benefits

- ▶ Low cost high returns.
- ▶ The workshops have been designed as a mix and match of Training and Practice. This enables the participant to learn and quickly apply the concepts in his own work area.

Duration

The duration of the workshops varies from 1 to 3 days depending type of workshop taken.

1. 5s for Shop-floor

Description: 5s is the starting point of any on the floor improvement activity and the key to successful change. Its about “how to create a workplace that is clearly organized, free of clutters, arranged and sparking clean. This workshop focuses on basics of 5s: Sort, Set, Shine, Standardize and Sustain.

Contents: a. Overview of 5s and what each S means.
b. Understanding how to apply each S in the workplace.
c. Demonstration: Applying each ‘S’ to the selected area of interest.

Note: Area selected for implementation should be appropriate to fit the given time frame.

Who should attend: Operators, Supervisors, Production/Quality engineers, other management representatives.

2. Autonomous Maintenance in 7 steps

Description: Autonomous Maintenance is an important pillar of TPM, because it enlists the intelligence and skills of the people who are most familiar with machines or equipments. The workshop is designed for basic understanding of Autonomous Maintenance and checklists for step audits to certify team achievement at each step. Implementation plan for TPM and 5 countermeasures for achieving Zero breakdowns.

Contents: a. What is Autonomous Maintenance?
b. Understanding “how to apply each AM in the workplace?”
c. Demonstration: Applying each ‘AM’ to the selected area of interest.

Note: Area selected for implementation should be appropriate to fit the given time frame.

Who should attend: Operators, Supervisors, Production/Quality engineers, other management representatives.

3. Kanban

Description: Kanban (means "visual," and "card" or "board") is a concept related to lean and just-in-time (JIT) production. Kanban is a common everyday term meaning “signboard” or “billboard”.

Contents: a. Concepts of Kanban.
b. Understanding “how to apply Kanban in workplace?”
c. Demonstration: Simulation Game*.

Who should attend? Operators, Supervisors, Production/Quality engineers, Stores Executives, Purchase Executives other management representatives.

4. Design of Experiments (DOE)

Design of Experiment (DOE) is a structured, organized method that is used to determine the relationship between the different factors (Xs) affecting a process and the output of that process (Y). This session is focused on identifying X's and degree of influence on results Y's.

Who should attend this: Black Belts, Green Belts, supervisors, quality function representatives.

5. Value Stream Mapping

Description: VSM (Value stream mapping)

is the starting point of applying lean concepts to any process. Value stream map provides us significant information on the value added and non value added time a product/service spends in the stream of processes involved in converting a raw material into a finished produce/service.

Who should attend: Senior management representatives, middle management representatives, Black Belts, Green Belts. Production/Quality engineers.

6. Visual Factory Concepts

Description: Visual controls can be the most powerful tool at your disposal in your quest for greater efficiency, quality, productivity and safety. The workshop will teach how to communicate these invaluable work standards and instruction using visual production controls such as KANBAN cards, SHADOW BOARDS, WORK CHARTS, 1-POINT LESSONS & many more.

Who should attend: Operators, Supervisors, Production/Quality engineers, other management representatives.

7. Quick Change over/SMED system

The SMED system, teaches Floor level employees the techniques and approach that turn hours changeover time into minutes, even seconds. This session demonstrates the importance of separating internal from external set-up and tools needed to achieve this goal.

Who should attend: Operators, supervisors, production/quality engineers.

Contents: a. Concepts of SMED

b. Demonstration "Live on Floor activity".

8. Statistical Process Control

Methods based on statistical analysis used to identify problems with a process and thus enable the problems to be isolated and managed. Can also be used to monitor effects of changes in process management on quality.

Who should attend: Middle management, Operators, supervisors, production/quality engineers & other management representatives.

9. 7 QC Tools

The 7 QC Steps process is a structured problem solving approach for improving weak processes. This approach is known as reactive improvement. The 7 QC Steps is easy to understand and learn, easy to use, and easy to monitor.

Who should attend: Operators, supervisors, production/quality engineers & other management representatives.

10. Quality Function Deployment (QFD)

Quality Function Deployment is a method for satisfying customers by translating their demands into design targets and quality assurance points.

Who should attend: Senior management and middle management representatives, representatives from Design, R&D, and production/quality areas.

11. Measurement System Analysis

It is the evaluation of measuring instruments to determine their capability to yield a precise response. It determines how much of the observed process variation is due to measurement system variation. Gate repeatability is the variation in measurements using the same measurement instrument several times by one appraiser measuring the identical characteristic on the same part. Gage reproducibility is the variation in the average of measurements made by different appraisers using the same measuring instrument when measuring the identical characteristics on the same part.

Who should attend: Operators, supervisors, production/quality engineers & other management representatives.

12. Pull System

In Pull production system, the upstream supplier produces nothing until the demand from customer. This enables the shop floor employees to avoid accumulating large work-in-process, inventories, thus allowing production with short lead time and reduce expenses. This session is designed to understand, plan and begin implementing this lean tools.

Who Should attend: Operators, supervisors, production/quality engineers & other management representatives.

13. Cellular Manufacturing

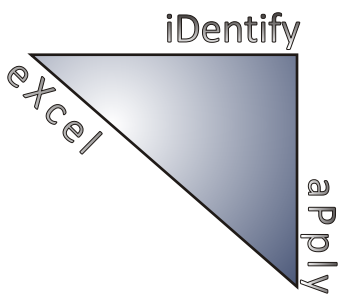
Cellular Manufacturing involves re-arranging traditional operation-based factory layouts into process based cells that promote a smooth production flow by cutting waste. The session introduces production teams to basic cellular manufacturing and teamwork concepts, and orients them to participating in the design of a new production cell.

Who should attend this: Machine Operators, Production supervisors, Production Engineers, Production Manager, Quality Engineers & Other management representatives.

14. Lean Concepts and Philosophy

Lean manufacturing or lean production, which is often known simply as "Lean", is the optimal way of producing goods through the removal of waste and implementing flow, as oppose to batch and queue. Lean manufacturing is a generic process management philosophy derived mostly from the Toyota Production System (TPS). It is renowned for its focus on reduction of the original Toyota seven wastes in order to improve overall customer value.

Who should attend this: Senior Management, Middle Management, Junior Management like Production Engineer, Quality Engineer etc.



SKIL

Reg off: # 166/1, 7th Cross, 8th Main
Malleshwaram, Bangalore - 560003

www.skilglobal.com
info@skilglobal.com

080-41281005, 41281006