



A 5 DAY WORKSHOP ON LEAN MANUFACTURING

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Introduction

Lean manufacturing provides companies with the most important approach for improving competitiveness. Lean application reduces inventory (75% to 95% reduction is possible), reduces cycle time (75% to 95% reduction is possible), improve productivity (15% to 30%), reduces wastages of handling space and work. It also provides a strong foundation for continuous improvement and employee participation.

The first step in Lean application is to design a new manufacturing setup to achieve all the lean advantages. The simplicity and clarity of the design is extremely important to ensure understanding across the organization.

This workshop is aimed at developing skills of lean design and application of lean tools for senior and middle level managers to successfully implement lean at the factory level. All the supporting concepts and techniques will also be covered adequately. A detailed case study with all the required data will be used during the workshop to enable participants to design the new manufacturing set up as a group exercise.

The program will include presentation of world class Lean Implementation from factories of US.

PARTICIPATION:-

Senior and middle level executives from manufacturing, Industrial engineering, Process engineering, materials, quality assurance, design & development etc.

Participants can bring their live problems for discussion during the program.

TIMING :- 9.30am to 5.00 pm.

A 5 DAY WORKSHOP SCHEDULE ON LEAN MANUFACTURING

	Session I	Session II	Session III	Session IV
Day I	Lean mfg. Introduction & concepts.	Estimating the total level of wastages. - World class benchmarks for wastages.	Preparing the mindset Removing misconceptions of productivity and joint cooperation of all employees.	Contd.
Day II	The lean preparation tools a) work sampling b) Production studies c) Process capability Improvement – Quality at source	Value stream mapping.	Value stream mapping.	Value stream mapping.
Day III	SMED	a) Kaizen b) TPM & 5 'S'	Preparing the vision statement. The picture of new manufacturing set up.	The lean design - Establishing demand rate, flow, TAKT, flexibility, Kanban rules.
Day IV	Contd Stock calculations, In process supply chain, safety stock.	Films & presentations	Contd The final design.	Contd The final design.
Day V	Practical group exercise - contd	Contd- Practical group exercise -	Case exercise Designing a lean factory based on live data variety batch production to lean manufacturing setup	Using lean tools for improvement- Employee improvement. Question- Answer & Closure.