

# Lean Manufacturing Excellence and Process Improvement

## Syllabus and lesson plan.

### 1. Selected Lean Manufacturing

- History and evolution of Lean Manufacturing
- Lean principles and philosophies
- Value stream mapping

### 2. Quality Circle

- What is quality Circles
- Benefit of quality circles
- Organization for quality circles
- Quality circle versus task force
- Problem solving techniques in quality circles
- Summary

### 3. 5-S

- Introduction
- Benefits of 5S
- Summary

### 4. Poke-Yoke

- Introduction
- Key principle
- Type of defect
- Poka –Yoke Devices
- Summary
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### 5. Muda ( Waste ) Elimination

- Introduction
- Type of Muda
- Muda in Office

### 6. JIT

- Introduction
- Key principle
- Techniques of JIT

### 7. Kaizen

- Introduction
- Type of Kaizen
- Gemba kaizen
- The Kaizen process
- Summary