1. SIX SIGMA OVERVIEW
   - Origin of Six Sigma, Impact of Six Sigma in recent and future manufacturing scenario
   - Quality Vs. Variability
   - The 99.9% Problem
   - DMAIC – The Six Sigma Improvement Process
   - Standard Deviation
   - Case Studies

2. DEFINE PHASE
   - Process Mapping (SIPOC)
   - CTQ elements
   - VOC, VOP and VOE
   - QC tool set, Value stream mapping
   - Exercises and Quiz

3. MEASURE PHASE
   - Data Collection and Visualization
   - Discrete vs. continuous measurements, Gauge R & R
   - Process Capability Indices, Process Metrics – DPU, DPMO, PPM, FTY, RTY, Sigma level
   - Exercises and Hands on training using open source software

4. ANALYZE PHASE
   - Muda, Mura and Muri
   - Why-Why analysis, Correlation and Regression
   - Hypothesis Testing, ANOVA
   - T-Test and F-Test, Introduction to DOE
   - Case studies and Exercises

5. IMPROVE PHASE
   - Creativity Techniques - Benchmarking, Brainstorming 6-3-5 method
   - 5S, RCA, Poka Yoke, SWOT, PDCA, Kaizen, Gemba, Genchi Gembutsu
   - Case studies

6. CONTROL PHASE
   - 5S, Andon, Kanban, Jishu Hozen, Jidoka, Heijunka
   - FMEA, OEE, OOE and TEEP
   - SPC- Hands on training
   - Capstone Project

Duration 30 Hours Full Time 9.30 am to 4.30 pm Part Time 4.30 pm to 7.30 pm

Course Fee: ₹ 15,000 including GST

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