# Theory of Constraints (ToC), Lean and Six Sigma (TLS)

**Training Content**

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| **1. Introduction and Foundation**<br>▪ What is Quality? q Vs. Q approaches to Quality<br>▪ Why do we need quality? And how do we achieve it?<br>▪ What is a process?<br>▪ The PDCA cycle<br>▪ What, Why & How of Six Sigma? & Concept of Six Sigma<br>▪ Introduction to Lean ,5S and Kaizen<br>▪ Understanding Variations<br>▪ Basics of Statistics and its application as management tool<br>▪ Process and Cost of Quality and its impact on profitability<br>▪ DPU, DPMO & Sigma Level calculation<br>▪ Introduction to DMAIC Methodology<br>▪ Six Sigma Roles | **2. Tools and Techniques**<br>▪ Process Approach, CTP, Dashboard & The 7 QC Tools<br>▪ VOC, CTQ, Keno Model & FMEA<br>▪ DMAIC Methodology for process improvement in details & DMAIC Case Studies<br>▪ Problem solving using PDCA<br>▪ Introduction to Minitab and Inferential Statistics |
| **3. Lean**<br>▪ Lean Overview & Lean Methodology<br>▪ Lean View Offers improvement ideas<br>▪ Lean Advance Tool kit & Lean Deployment | **4. Theory of Constraint**<br>▪ TOC: Strengthening Your "Weakest<br>▪ Link" & System as a Chain<br>▪ 4 Assumptions of TOC & its overview<br>▪ TOC System & System Thinking |
| **5. Integrating 3 Disciplines**<br>▪ Integrating 3 Disciplines Theory of Constrain, Lean & Six Sigma (TLS)<br>▪ Self-reading Material to ruminate the Learning | |