PD793
Six Sigma for Engineers and Technical Professionals

Day One

- Introduction to Six Sigma and Culture of Continuous improvement
- Defining Six Sigma – ***Group Activities***
- The Six-Sigma Approach: DMAIC. (Define, Measure, Analyze, Improve, Control)
- Define Phase – Project CTQ
- Define Phase; Business Case, Process Mapping, Change Management – ***Group Activities***
- Define Phase Tools – Voice of the Customer, SIPOC and Product Synchronization, Stakeholder Analysis.

Day Two

- Measure Phase – Linking concepts to numbers
- Measure Phase – The Data Collection Plan – ***Group Activities***
- Measure Phase Tools – Functional Process Mapping, Total Product Cycle Time, Fishbone Diagram, FMEA
- Analyze Phase – Baseline Process Capability – ***Group Activities***
- Analyze Phase – Sources of Variation
- Analyze Phase - Tools –Histogram, Run Chart, Benchmarking, VA/NVA, Takt Time

Day Three

- Improve Phase – Identifying Solutions – ***Group Activities***
- Improve Phase – Workflow Redesign
- Improve Phase Tools – Kaizen, 5S, VA/NVA Balancing – ***Group Activities***
- Control Phase – Determine Process Capability – ***Group Activities***
- Control Phase Tools – Control Plan, Risk Management, SPC Charts
- Case Studies