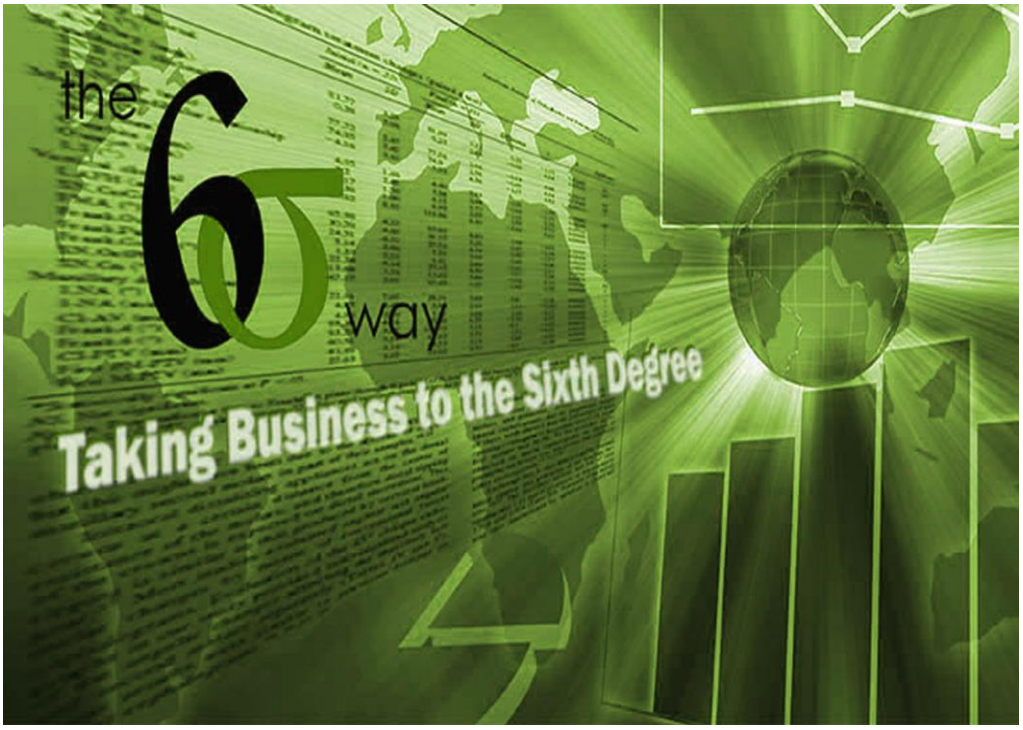
PRODUCTIVITY & QUALITY INSTITUTE



GREEN BELT PROGRAM ROADMAP (SSGB)

PROGRAM CANDIDATES:

Green Belts who are groomed in the Six Sigma methodology help deploy the Six Sigma approaches and techniques throughout your organization. They serve as candidates on the improvement teams formed to tackle improvement areas. They are employees at all levels and functions of your organization who are committed to business improvement using Six Sigma methodology. Potential delegates include directors, managers, process owners, quality practitioners and consultants committed to improving business processes.

PROGRAM LENGTH:

10 days training session (6 hours/day)

Day One and Two (Six Sigma Overview and How to Deploy)

Learn How to:	Program Contents
• Define Six Sigma in terms of operation • Establish difference between Six Sigma and other quality intiatives • How to measure Six Sigma level • Develop indicators to measure cost • Choose between diferent Six Sigma methodolgy • Identify a project for Six Sigma • Assess Six Sigma projects in terms of financial benfits • Set objectives within DMAIC • Use Priority Matrix for selecting projects • Manage the roadmap for your projects	• What is Six Sigma • Six Sigma application • DPMO and Six Sigma level • 3 Sigma vs 6 Sigma process • Hidden factory • Six Sigma vs TQM • Historical veiw of Six Sigma • How to deploy Six Sigma • Six Sigma Projects • Pareto periority index • DMAIC overveiw • Prioritization matrix • Manging Six Sigma projects

Day Three and Four (Define: Project Definition, Project Scheduling, and Change Management)

Learn How to:	Program Contents
• Define and scope project • Identiy elements of Six Sigma project • Select projects aligned to company objectives • Use WBS to beak down projects • Select oppotiunities use Pareto diagram • Determine critical path • Mange milstone date • Generate and categorize ideas • Select imortant ideas • Select ideas based on specfic criteria	• Project characteristics • Project charter • Matrix Diagram • Work breakdown structure • Pareto diagram • Process mapping • Project schedule • Activity network diagram • Gantt chart • Six Sigma teams • Affinity group • Nominal group technique • Prioritization matrix

Day Five and Six, (Measure: Establish Process baseline, Measurement System Analysis)

Learn How to:	Program Contents
• Mesure process basline • Use different metrics to evalute process • Formulate a model for your project • Determine flow down function using Box-Plot and C&E diagram • Measure variation in your process • Differntiate between special and common causes of variation • Basline a process using capablity metrics • Evaluate measurement system	• Tools to define process such as flow charts, process map, and SIPOC • Process As-IS • Types of Metrics sucg as CTQ, CTC, and CTS • The business model Y = f(X) • Box-Plot • Cause and Effect Diagram • Evluate process using SPC • Concept of Variation • Gage R&R study

Day Seven and Eight (Analyze: Lean Methods, Value Steam, and Regression Analysis)

Learn How to:	Program Contents
• Analyze value stream map • Analyze source of varaition • Determine process drivers • Increase velocity of a process • Investigate inter-dependence between two varaibles • Interpert regession models • Use regression with design experiments	• What is Lean • Lean and Six Sigma • Value stram analysis • 5S • Regression analysis • Regression model • ANOVA analysis • Multiple regression

Day Nine and Ten (Improve and Control)

Learn How to:	Program Contents
• Estimate cost savings assocaited with proposed solutions • Compare proposed solutions against performance criteria • Evaluate best in class • Minimize impact of external source of variation • Measure realized bottom-line impact	• Financial analysis, Pareto diagram, and Prioritization matrix • PDPC and FEMA • Benchmarking • Robust Design • Control Plans

Certification

We also offer the option of Formal Green Belt Certification supplied by ASQ. This requires that:

- Green Belt training is completed
- On line assessment test is passed (with additional fees)
- A laptop computer preloaded with Adobe Acrobat is required.

P&Q INSTITUTE

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