



LEAN SIX SIGMA GREEN BELT CERTIFICATION PROGRAM

Lean Fundamentals / Define		Measure		Analyze		Improve / Control	
(3 Days)		(2 Days)		(3 Days)		(3 Days)	
<p><u>Lean Fundamentals</u></p> <ul style="list-style-type: none"> • Intro to Lean and Six Sigma • Process Simulation • Lean Principals • Value Stream Mapping • Process Flow Improvement and Pull Systems • 5S and Visual Tools • Set-Up Reduction • Kaizen Preparation • Team Facilitation and Change Mgt <p><u>Define</u></p> <ul style="list-style-type: none"> • Intro to Six Sigma • Voice of the Customer • Cost of Poor Quality • Project Selection and Definition • Intro to Minitab • Project Management Tools • Team Charter • Define Deliverables 	<i>Project Work (3 Weeks)</i>	<p><u>Measure</u></p> <ul style="list-style-type: none"> • Process Mapping • Multi Level Pareto Charts • Fishbone/5-Why • YX Matrix • FMEA • Basic Statistics • Measurement System Analysis (MSA) • Process Stability • Process Capability • Measure Deliverables 	<i>Project Work (3 Weeks)</i>	<p><u>Analyze</u></p> <ul style="list-style-type: none"> • Analysis Plan • Documentation of Critical X's • Multi-Variable Analysis • Sample Size selection • Hypothesis Testing • Design of Experiments (Factorial) • Analysis of variance • Correlation • Linear Regression • Contingency Tables • Logistic Regression • Analyze Deliverables 	<i>Project Work (3 Weeks)</i>	<p><u>Improve</u></p> <ul style="list-style-type: none"> • Solution Selection Matrix • Implementation Plan • Improve Deliverables <p><u>Control</u></p> <ul style="list-style-type: none"> • Statistical Process Control • Integrating Lean Techniques for Control • Control Plans • Final Report Requirements • Control Deliverables 	<i>Project Work (3 Weeks)</i>