KAVON International, Inc.

SYLLABUS

Lean Six Sigma Green Belt Certification

Week #1 - Day #1	
101	Introductions, student back grounds and preliminary project review
102	Strategy and Continual Improvement
103	Lean Thinking
104	Six Sigma overview (DMAIC & X/Y theory)
105	Build the Team (TOPS method)
106	Project Identification and Filtering
107	Developing the Charter
Week #1 - Day #2	
108	Six Sigma Methods
109	Measure
110	Operational Definition
111	Process Mapping
112	Prioritization Matrix
113	FMEA
114	Helicopter Exercise
Week #1 - Day #3	
115	Value Stream Mapping
116	Promotion for X's to Y's
117	Introduction to Minitab
118	How to Think About Data
119	Statistics for Green and Black Belts
Week #1 - Day #4	
120	Review of Tribal Knowledge Tools
121	Preparing for "Analyze"
122	MSA for Variables
123	Stability
124	Normality
Week #1 - Day #5	
125	Introduction to Capability Analysis for Variables Data
126	Conflict Resolution
127	Discussion Regarding Projects and Planning for Week Two
	Helicopter Competition

Week #2 - Day #1	
201	Project Reviews
202	5S+
203	Introduction to Attributes
204	MSA for Attributes
205	Introduction to the Catapult
Week #2 - Day #2	
206	(DMAIC) – Analyze
207	Multi-Vari
208	Creating Flow
209	Visual Management
210	Monuments and Remedies
	Catapult Project
Week #2 - Day #3	
211	Performance Metrics
212	Hypothesis Tests
213	Confidence Intervals
214	Degrees Of Freedom
215	T-Test
Week #2 - Day #4	
216	Rapid Machine Change Over (SMED)
217	Kaizen
218	SPC for Variables
	Work on Catapult Project
Week #2 - Day #5	
219	SPC for Attributes
220	Improve
221	Introduction To Design Of Experiments (DOE)
222	Control
	Review What Has Been Learned
	Prepare for Catapult Competition
	Catapult Competition