

GREEN BELT EXTENSION			
	Day 1: Hypothesis Testing	Day 2: Regression Analysis & ANOVA	Day 3: Design of Experiments
<p>This is a 5-day extension to the Green Belt programme to enable participants to progress to Black Belt level.</p> <p>It is a prerequisite that participants have completed the 5-Day Green Belt programme prior to attending this course.</p>	Testing for normality Central limit theorem Level of significance & p-value Confidence intervals z-test t-test chi-square f-test Tests on a singular parameter Tests on two parameters Tests on proportions Paired comparisons	Correlation Sums of squares Linear regression models Prediction Multiple regression Introduction to analysis of variance (ANOVA)	Design matrix Full factorial design Taguchi's robust design Orthogonal arrays Signal to noise ratio Fractional factorial design Designing and conducting an experiment Screening Experimental runs Analysis of results Selection of optimum Confirmation run
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Day 4: Process Planning	Day 5: Process Control (2)		
Failure Mode & Effects Analysis Control Plan Error-proofing (poka-yoke) Control Plan Process Control (2) <i>(continued on Day 10)</i>	Attributes charts Control charts for special situations Advanced methods for evaluating capability Project review: Participants are invited to present to the group, an update of their project, e.g. progress to date, etc.	<p>End of Black Belt training.</p> <p>Participants have the option of completing a black belt project within 8 weeks and achieving Black Belt certification.</p>	