Green Belt e-Learning Programme

For ACES members only

Overview

The Lean Six Sigma movement has coined the titles 'Black Belt', 'Green Belt' and 'Yellow Belt' to describe various levels of skill and responsibility people have for their Lean Six Sigma programmes. This Green Belt e-learning course is an advanced course within the overall Lean Six Sigma training programme. Following completion of this programme students will be able to run and manage Lean Six Sigma projects very effectively.

The Yellow Belt e-learning course or equivalent learning is required as a pre-cursor to this Green Belt programme.

Green Belt e-Learning Course

Incorporates interactive learning methods including animations, audio, drag & drop exercises and multiple choice questions throughout.

Simple step by step progress through the course enables easier understanding of more complicated areas.

Online Help and a Reference Manual are available. Students can download a comprehensive summary of the course for use as ongoing reference material.

ACES e-Learning Portal

Yellow Belt e-Learning Course

Online Assessment

Yellow Belt Certificate

Green Belt e-Learning Course

Online Assessment

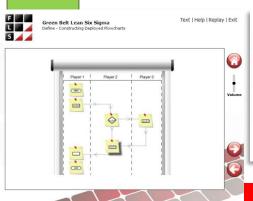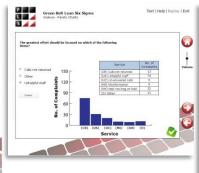Green Belt Certificate

Recommended Project Commitment

Benefits of e-Learning

- The training can be delivered at any time & at any location that is required.
- Easily integrated with existing educational programmes; it works well within any Lean Six Sigma organisation.
- The modules offer an on-going source of reference and refresher training.
- With question & answer sections, case studies & testing zones, knowledge gained is easily measured.
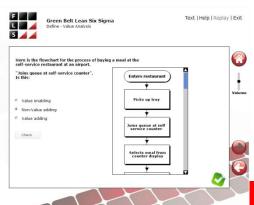
Target Audience

This advanced Green Belt e-learning programme has been designed for individuals that will be required to work effectively on Lean Six Sigma projects, leading Yellow Belts and actively working with process data.

The pre-cursor to this Green Belt programme is the Yellow Belt e-learning course, which is a 10 hour course designed to teach the basic techniques of Lean Six Sigma.

Green Belt e-Learning Programme

Module Listing

Overview	Objectives; Review of Yellow Belt Course; DMAIC – Additional Detail; Joiner Triangle; Financial Benefits of Lean Six Sigma; Summary; Lesson Review.
Define	Objectives; Project Definition; Project Selection, Scope & Charter; The Business Need; Leading a Team; Reading Specification Limits; Customer Needs – VOC; Constructing As-Is Process Flow; Value Stream Maps; Value Analysis; Is/Is Not Analysis; Summary; Lesson Review.
Measure	Objectives; Measurement System Analysis; Data Collection Techniques; Data Collection Plans; Understanding Variation & Tampering; Measurement Process Capability – Cp & Cpk; Calculating Process Sigma Levels; Standard Deviation; Summary; Lesson Review.
Analyse	Objectives; Dot Plots & Histograms; Scatter Diagrams; Stratification; Pareto Analysis; Distributions; Box Plots; Run Charts – Construction; Control Charts - Advanced; IM-R Charts; Design of Experiments; Summary; Lesson Review.
Improve	Objectives; QFD – House of Quality; Force Field Analysis; Generating Possible Solutions; Affinity Diagrams; Cost Benefit Analysis; FMEA – The Process; Lean Principles; Little's Law; Kanban; Pull vs. Push; Kaizen; Piloting Your Solutions; PDCA Revisited; Change Management; Kubler Cycle; Summary; Lesson Review.
Control	Objectives; Sustaining the Benefits Gained; SPC & Control Charts; Developing a Process Control Plan; Recalculating Control Limits; The Lean Six Sigma Project; The Use of Technology in Lean Six Sigma; Summary; Lesson Review.

For further information please contact:

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