

Module – Green Belt Foundation

Purpose

To enable delegates to successfully lead improvement projects and solve problems in a structured way.

On this training delegates will learn

- The DMAIC method - A structured process for problem-solving
- How to define and scope DMAIC projects
- A variety of Lean Six Sigma tools to solve variability, flow and waste problems
- Key project management and team working skills

Note - this module does not require the use of statistical software.



Suitable for

Anyone wishing to lead Continuous Improvement projects

Course Content

- DMAIC methodology
- Lean Six Sigma Tools & Principles
- Creative thinking tools
- Organising projects for success

Define

- Project chartering, SIPOC, VOC, CTQs,
- Scoping Projects Team building, Stakeholder management, Business Case

Measure

- Process Mapping, Stapling, Swim lanes, VSM, Spaghetti charts
- Output (Y) and Input (X) Measures, Data collection, types of data, sampling
- Variation, Control charts, SPC, Process Capability

Analyse

- Fishbone Diagrams, Root Cause Analysis,
- Overview of data analysis techniques
- Basic graphical analysis, Affinity Diagrams

Improve

- Creative thinking,
- Selection tools Pugh Matrices, Priority Matrices
- Piloting, FMEA, Mistake proofing, 5S

Control

- Process Control & Standardisation
- Effective handover, Control Charts, Control Plans

Plus – Lean tools

- 7 Wastes and 5 Lean principles
- Concept of value - Value add / non value add
- Introduction to Flow
- Value stream mapping
- Lean Improvement techniques

Course Style

- Very interactive and “hands on”
- Videos, exercises, case studies,
- Lean Simulation
- Real life problems
- Learning by doing
- Team work focused
- Emphasis on “soft” & “hard” skills

Course Benefits

- Improved problem solving skills
- Improved project management skills
- Enhanced Team working skills
- Practical, Pragmatic and Fun!!

“Excellent course! – Lots to take in but delivered in a way that made it both enjoyable & memorable. Totally fabulous week and now looking forward to putting it into practice”
(Susan McKenna, CI Leader)