



Training Course Profile

Lean Green Belt

QQI level 5

Administration Focus



M1Skillnet.ie

Lean Green Belt - ADMINISTRATION

Where	ONLINE
Aimed At	This course is recommended for anyone working in or hoping to move into a lean environment.
Trainer	DMC trainers combine professional training know-how with relevant experience in their chosen training field. DCM train organisations of all shapes and sizes, from small businesses up to global enterprises.

Programme Objectives

During the course participants will learn about Six Sigma, Lean principles and the practical application of these tools and techniques, as well as how they can actively direct, manage and participate in these projects. The aim of the course is to enable learners to identify process problems in their workplace. They will then be able to identify weaknesses and understand the drivers of poor performance. From what is covered in the 4 days they will be able to select areas of improvement and develop and implement solutions

By the end of the course each learner will be able to:

- Have a practical understanding of the history and reasons for Lean Six Sigma
- Practically understand the concepts, tools and principles of Lean Six Sigma
- Be familiar with the key tools needed to solve practical business problems
- Understand how Lean Six Sigma can be integrated into a company's management systems.
- Identify some initial criteria and guidelines for selecting, reviewing and evaluating Lean Six Sigma green belt projects
- Understand how these programs can be applied to deliver an effective continuous improvement program to
 - reduce waste and variation in business
 - Collect and use process data

Programme Structure

The online training programme is structured across 3 full day and 3 ½ day programme

September 10, October 6, November 3 –9.30am - 12.30pm

October 4, October 29, November 5 –9.30am - 3pm

Where appropriate case studies and examples will be used to reinforce the learning.

Learners will receive a full PDF course manual, projects templates and 1 year post-course access to the online course

Programme Content

There are key components to any Lean / Six Sigma programme are mapped into 5 modules and they are broken down as DMIAC - Define | Measure | Analyse | Improve and Measure

TOPIC 1: DEFINE

Project Charter
Business Case
Key Customers
House of Quality and Stakeholder Analysis
Voice of the Customer (VOC)
Critical to Quality Requirements (CTQ)
Verifying CTQs
Hi-Level Process Mapping
Value Stream Mapping
Hoshin Kanri (Policy Deployment)
Project Planning

TOPIC 2: MEASURE

Understanding Variability
Measurement Basics
Measurement Process and Plan
Selecting Measures
Measurement System Analysis (MSA)
Data Definition and Sources
Sampling
Measuring Yield and Process Capability
Implementing the Measure Plan

TOPIC 3: ANALYSE

Data Analysis
Scatter Diagrams
Run Charts and Pareto Analysis

Frequency Charts
Variation and Defect Analysis
Process Mapping & Analysis
Value Stream Analysis Complexity
Cause & Effect Analysis (CNX) root Cause Analysis
5 Whys
Verifying Causes
Review and Action on a continuous basis PDCA

TOPIC 4: IMPROVE

Brain Storming
Process Vision
Lean Principles
Enabling Flow
Level Scheduling
Total Productive Maintenance (TPM)
Kanban
Visual Management
How to run Kaizen events and Improvements teams
Change Management
Force Field Analysis
Implementation Planning

TOPIC 5: CONTROL

Simple and necessary documentation (SOP's)
Mistake Proofing/Poke Yoke
Statistical Process Control
GEMBA Walks
Lean Six Sigma Score Cards

To book your place, or for more information, contact Stephen McDonnell on (083) 0278518 or stephen@m1skillnet.ie