



STRADFORD INTERNATIONAL COLLEGE

DK183(P)

DURATION : 96 HOURS

Lean Six Sigma Green Belt

COURSE VENUE

a) Public Program

Stradford International College / External Training Locations

b) In-house Program

Inhouse / External Training Available.

WHO SHOULD ATTEND

The course is suitable for Managers, Engineers, Technician, Specialists and Senior Operators in the following and related disciplines and roles who want to learn reliability engineering fundamentals:

Industrial Engineering
Operations Management
Operations Engineering
Project Engineering
Engineering Asset Management
Maintenance Management
Production Reliability Management
Maintenance Engineering
Reliability Technicians

Operations Engineering
Safety Engineering
Safety Management
Risk Engineering
Risk Management
Defect Elimination Management
Engineering Graduates
Data Analysts
Quality Management

CERTIFICATION

Certificate in Lean Six Sigma Green Belt by Stradford International College (S I C)

OVERVIEW

A Lean Six Sigma Green Belt can eliminate waste and improve the performance of any business process. This course has been designed to provide participants with a thorough knowledge of the Lean & Six Sigma (LSS) methodologies, tools and principles

COURSE RELEVANCY TO EMPLOYER

1. Improve Quality and prevent Bad Quality Product escape to Customer
2. Eliminate wastage and save cost.
3. Able implement Lean process and eliminate non value added process/step/activities.
4. Find an optimum solution.

COURSE OUTLINE

Module 1	Introduction to Six Sigma
Module 2	Define I – The Value Stream
Module 3	Define II – Voice of the Customer
Module 4	Measure I
Module 5	Measure II Charting Process Behavior
Module 6	Analyze I Possible Root Cause
Module 7	Analyze II Hypothesis Testing
Module 8	Analyze III – DOE
Module 9	Improve
Module 10	Control
Module 11	Leading Teams and Leading Change

TRAINING METHODOLOGY

1. The training will be conducted on a theory and praxis basis with many examples.
2. Each batch of trainees will be split into groups and will work on and selected tools using data from the company (if any)
3. Hands-on tools construction using MS Excel. Project will be worked on parallel with introduction of each tools and trainee's understanding will be reviewed from time to time.
4. Two way interactive method will be used to gauge trainees understandings with clear step by step instructions.

COURSE OBJECTIVES

By attending Reliability Engineering course, participant will learn:

1. Gain a solid general knowledge of the theory, composition, and implementation of a Six Sigma initiative
2. Become proficient in all of the analytical tools necessary to define, measure, analyze, improve, and control Six Sigma improvement projects.
3. You will master the skills necessary to lead a complex process improvement project that produces bottom-line results
4. Able to master various Six Sigma Tools and use them for improvements.

LEARNING OUTCOMES

After completing this course, you should be able to DO the following:

1. Communicate using Six Sigma concepts.
2. Think about your organization as a collection of processes, with inputs that determine the output
3. Relate Six Sigma concepts to the overall business mission and objectives
4. Employ a wide range of continuous process improvement techniques within the DMAIC model.
5. Employ your Six Sigma skills to lead a successful process improvement project to deliver meaningful results to the organization.

PREREQUISITES

1. The participant should have min 3 years of working experience.
2. Have some basic understanding on using computers.

EQUIVALENT

Some basic understanding in Quality Tools.

Tel (+6) 04 - 390 4000 / 397 0000 Fax (+6) 04 - 390 3000

2796, Jalan Chain Ferry, Inderawasih, 13600 Prai, Penang, Malaysia Email : admin@stradfordcollege.edu.my Website : www.stradfordcollege.edu.my

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