



## ACI Training Course

**Code(T6GB)      Six Sigma Green Belt Course**  
**(2:00p.m. – 9:30p.m.) 4 days**

### Introduction

- ~ The Six Sigma Green Belt serves as a specially trained team member within his or her function- specific area of the organization. This focus allows the Green Belt to work on small, carefully defined Six Sigma projects, requiring less than a Black Belt's full-time commitment to Six Sigma throughout the business. Six Sigma Green Belt Training provides participants with enhanced problem-solving skills, with an emphasis on the DMAIC (Define, Measure, Analyze, Improve and Control) model.

### Target Audience

- ~ Engineers, quality analysts, process experts, program managers, project leaders, and others tasked with leading and completing Six Sigma improvement project.

### Objectives

- ~ To provide participants with a thorough understanding of the Six Sigma methodology.
- ~ To impart the knowledge participant will need to successfully apply the Six Sigma DMAIC tools as a member or leader of an improvement team.
- ~ To give participants a familiarity with statistical software that will enable them to efficiently apply the statistical DMAIC tools to their projects or business.

### Details

#### **Overview (Day 1)**

- History of Six Sigma
- What is Six Sigma
- $Y=f(x)$
- Six Sigma vs. TQM/ISO 9000
- Six Sigma Organization
- DMAIC Methodology

#### **Define**

- Project Charter
- Voice of Customers (VOC)
- SIPOC Diagram

#### **Measure (Day 2)**

- Data Collection Technique
- Process Sigma Calculation
- Cross Functional Process Mapping
- Value Stream Analysis
- Process Capability

- Cost of Poor Quality (COPQ)

#### **Analysis**

- Root Cause Analysis
- Cause and Effect Diagram
- Graphical Method

#### **Improve (Day 3)**

- Creativity Thinking
- Brainstorming
- Benchmarking
- Multi Voting
- Change Management

#### **Control (Day 4)**

- Control Plan
- Statistical Process Control(SPC)
- Failure Mode and Effect Analysis (FMEA)
- Poka Yoke Method(An error-proofing technique)

### Methodology

- ~ Presentation and workshop

### Certificate

- ~ Certificate of Successful Completion will be awarded to delegates who have attended full course.

### Venue

- ~ ACI training centre



## ACI 培訓課程

**Code (T6GB) 六西格瑪綠帶培訓**  
(下午二時正至晚上九時半) 4 日

### 簡介

~ 六西格瑪綠帶培訓讓學員學習六西格瑪基礎工具的應用，支持項目小組展開項目，培訓后可以著手實施項目。與六西格瑪黑帶培訓比較，綠帶培訓對學員的要求較低。它主要讓學員熟習 DMAIC (定義, 測量, 分析, 改善, 控制) 方法。

### 培訓對象

~ 參與六西格瑪專案的質量，設計開發、制定工程師式主管和公司部門經理

### 培訓目的

- ~ 讓學員對六西格瑪的實踐方法有一個深入的認識
- ~ 傳授學員一切有關應用 DMAIC 方法的有關知識
- ~ 讓學員熟悉應用 DMAIC 方法時所涉及的統計軟件

### 培訓內容

#### 概論 (Day 1)

- ~ 六西格瑪之歷史
- ~ 什麼是六西格瑪
- ~  $Y=f(x)$
- ~ 六西格瑪與 TQM / ISO9000 之比較
- ~ 六西格瑪系統
- ~ DMAIC 應用方法

#### 定義

- 計劃憲章
- 客戶之聲
- SIPOC 圖表

#### 測量 (Day 2)

- 數據搜集方法
- 六西格瑪流程計算
- 跨部門流程图
- 價值分析

#### 分析

- ~ 圖解分析
- ~ 根本起因分析
- ~ 相關性與退回性

#### 改善 (Day 3)

- ~ 創意思維
- ~ 腦震盪
- ~ 標杆測評
- ~ 多重投票
- ~ 變革管理

#### 控制 (Day 4)

- ~ 防錯法
- ~ 統計流程控制基礎
- ~ 控制計劃

### 上課模式

- ~ 講解及工作坊

### 證書

- ~ 完成課程之學員將獲頒發課程完成證書乙張

### 上課地點

- ~ ACI 訓練中心