PROFESSIONAL DEVELOPMENT TRAINING

Lean Six Sigma Green Belt Training Upgrade from Yellow Belt

016 299 1479

REQUEST QUOTE

2.0 DAY COURSE

Lean Six Sigma Green Belts are considered as great assets to a process improvement team. This Lean Six Sigma Green Belt Certification Training Upgrade from Yellow Belt course provides you the terminologies, philosophies and tools required to pass the IASSC Green Belt certification exam.

This training course utilizes lab exercises, presentations, hands-on activities and lectures to give you a firm understanding of Lean Six Sigma at the Green Belt level. You will learn the skills you need to lead the Lean Six Sigma method improvement projects, the ability to use all steps of DMAIC methodology, to work with teams headed by a Lean Six Sigma Black Belts and aid your organization on implementing the Lean Six Sigma efficiently.

On the successful completion of your training, you will be qualified to finish a Lean Six Sigma project in your organization. This course is designed for people who have completed the PD Training Yellow belt course.

Now available throughout Kuala Lumpur and Malaysia, this Lean Six Sigma Green Belt Certification Training Upgrade from Yellow Belt course can be delivered with our expert local or international trainers at your chosen venue and schedule.

You can also join our public classes, live online using our HIVE technology.

Click on the In-house tab below to generate an instant quote or enroll now into the next public course date.

What You'll Gain:

Prior to accepting your enrolment, PD Training will provide you with an IASSC Practice Test to confirm your existing knowledge, and if accepted, we will provide you with the IASSC authorised Green Belt training materials a week before the course runs, so you can review the materials beforehand and pick up the training without missing a beat.

This upgrade course includes days 4 and 5 from the complete 5-day Green Belt course. It picks up from where the Yellow Belt training left off.

By moving up from the Yellow Belt to Green Belt, you will learn and develop substantial skills in the ***Analyse*** and ***Improve*** phases of DMAIC.

Outcomes

During this course, participants will enhance their skills above the Yellow Belt level and develop:

- Ability to use a structured approach to process improvement
- Ability to use all steps of DMAIC (*with a focus on Analyze and Implement*) methodology
- Skill to achieve sustainable quality improvement through process improvement
- Understanding of the tools of process discovery
- Understanding of variation in processes
- Skill to reduce variation in processes and achieve predicted outcomes
- Ability to identify, measure and analyze process potential
- Usage of inferential statistics
- Usage of hypothesis testing
- Understanding when to use which Six Sigma methodology

Modules

Lesson 1: Brief review of Yellow Belt content (Define Phase)

Lesson 2: Brief review of Yellow Belt content (Measure Phase)

Lesson 3: "X" Sifting (Analyse Phase Module 1)

LSS Green Belt Analyse Phase - The Analyse Phase of the DMAIC methodology is constructed to introduce important Lean Six Sigma tools for isolating critical factors.

- Perform a Multi-Vari Analysis
- Interpret and a Multi-Vari Graph
- Identify when a Multi-Vari Analysis is applicable
- Interpret what Skewed data looks like
- Explain how data distributions become Non-normal when they are really Normal

Lesson 4: Inferential Statistics (Analyse Phase Module 2)

- Explain the meaning of the term "Inferential Statistics".
- Describe the basic tenets of the Central Limit Theorem.
- Describe the impact of sample size on your estimates of population parameters.
- Explain Standard Error

Lesson 5: Intro to Hypothesis Testing (Analyse Phase Module 3)

- Articulate the purpose of Hypothesis Testing
- Explain the concepts of the Central Tendency
- Be familiar with the types of Hypothesis Tests

Lesson 6: Hypothesis Testing Normal Data Part 1 (Analyse Phase Module 4)

- Determine appropriate sample sizes for testing Means
- Conduct various Hypothesis Tests for Means
- Properly Analyse Results

Lesson 7: Hypothesis Testing Normal Data Part 2 (Analyse Phase Module 5)

- Be able to conduct Hypothesis Testing of Variances
- Understand how to Analyse Hypothesis Testing Results

Lesson 8: Hypothesis Testing Non-Normal Data Part 1 (Analyse Phase Module 6)

- Conduct Hypothesis Testing for equal variance
- Conduct Hypothesis Testing for Medians
- Analyse and interpret the results

Lesson 9: Hypothesis Testing Non-Normal Data Part 2 (Analyse Phase Module 7)

- Calculate and explain test for proportions
- Calculate and explain contingency tests

Lesson 10: Wrap Up & Action Items (Analyse Phase)

Lesson 11: Process Modeling Regression (Improve Phase Module 1)

LSS Green Belt Improve Phase - The Improve Phase of the DMAIC methodology is constructed to introduce important Lean Six Sigma tools for properly controlling solutions.

- Perform the steps in a Correlation and a Regression Analysis
- Explain when Correlation and Regression is appropriate

Lesson 12: Advanced Process Modeling (Improve Phase Module 2)

- Perform Non-Linear Regression Analysis
- Perform Multiple Linear Regression Analysis (MLR)
- Examine Residuals Analysis and understand its effects

Lesson 13: Designing Experiments (Improve Phase Module 3)

- Determine the reason for experimenting
- Describe the difference between a physical model and a DOE model

Lesson 14: Wrap Up & Action Items (Improve Phase)

- Explain an OFAT experiment and its primary weakness
- Shown Main Effects Plots and interactions, determine which effects and interactions may be significant
- Create a Full Factorial Design

Lesson 15: Brief review of Yellow Belt content

Talk to our expert team

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