



Certified Six Sigma Green Belt
Master
VS-1245

Vskills Certifications

Vskills Brochure



Certified Six Sigma Green Belt Master

Certification Code VS-1245

Why should one take this certification?

It is a business management strategy and highly recommended for QA professional / Process managers. It helps a person to see the problem in different prospective. Learning Six Sigma and applying basic statistical tools to your work life can have tremendous impact on your work in turn impact business in future.

Who will benefit from taking this certification?

It is highly recommended for QA personnel / Process managers. Simply being able to put Six Sigma Certification on your resume proves your commitment to quality and improving your business acumen and analytical skills.

Six sigma certification confirms the ability of an individual with respect to specific competencies. Certified Six Sigma professionals have proven strength in making business management strategy which is widely used across industries towards quality and process improvement. It is believed that Six Sigma Certifications may increase salaries of professionals considerably. Niche skill in six sigma with set of tools and techniques which help in delivering near perfect products and services. Six Sigma emphasizes on continuous improvement of quality until the product/service achieves near perfection.

Test Details

- **Duration:** 1.5 hrs (90 minutes)
- **No. of questions:** 100 (by ASQ)
- **Maximum marks:** 500 points
- **Passing marks:** 385 points (77%)

There is no negative marking in this module.

Fee Structure

Rs. 10,000/- (Includes all taxes)*

*Fees may change without prior notice, please refer <http://www.vskills.in> for updated fees

Table of Contents

1. Introduction to “Six Sigma Green Belt”

- 1.1. Background
- 1.2. What Is Six Sigma
- 1.3. Parameters
- 1.4. Five Phases

2. Six Sigma Terms

- 2.1. DPMO
- 2.2. Variation
- 2.3. Process Capability
- 2.4. Defect
- 2.5. Unit
- 2.6. Yield

3. Define Phase

- 3.1. Project Charter
- 3.2. Current State Mapping
- 3.3. Kano Model
- 3.4. Stakeholder Analysis
- 3.5. Voice Of The Customer
- 3.6. CTQ Tree

4. Measure Phase

- 4.1. Data Collection Plan
- 4.2. Prioritization matrix
- 4.3. Sampling
- 4.4. Failure Mode & Effect Analysis
- 4.5. Process Capability & Process Sigma

5. Analyze Phase

- 5.1. Brainstorming
- 5.2. Cause and Effect diagrams
- 5.3. Control Charts & Frequency Plot
- 5.4. Process Capability Analysis
- 5.5. Pareto Charts
- 5.6. Hypothesis Tests
- 5.7. Regression Analysis

6. Improve Phase

- 6.1. Identifying Possible Solutions

- Brainstorming
- 6.2. Selecting Solutions to implement
 - Weighted Criteria Matrix
- 6.3. Implementing Improvements
 - Gantt chart
- 6.4. Evaluating The Improvements
 - Design of experiments
 - Mistake Proofing

7. Control Phase

- 7.1. Control Charts
- 7.2. Assessing the Final process Capability
- 7.3. Quality Control
- 7.4. Control Plan
- 7.5. Standardization

8. Handover and Closure

9. FAQ's

10. Sample Questions for all 5 Phases

Sample Questions

1. In reference to Kano Model, which of the following statement/statements are False?

- A. It is used in a DFSS Project & works with Quality Function Deployment.
- B. It is used before capturing Voice of Customer (VOC).
- C. It is used in Measure Phase of DMAIC
- D. Both B & C

2. What is the primary purpose of FMEA?

- A. It helps to prevent failures from occurring.
- B. Identifies the effects of the failure.
- C. Evaluates the risk associated with Defects.
- D. All of the above

3. _____ is a graphical representation of the distribution of data in form of tabulated Frequencies.

- A. Pareto charts
- B. Time charts
- C. Histogram
- D. Bar charts

4. What are the features of a TO-BE process map?

- A. Display the potential future state of a process after it has been analyzed for waste reduction.
- B. Shows the results of streamlining efforts by removing rework loops, excess processing and other non-value adding steps.
- C. The resulting map has fewer steps than the presenting “As Is” or current map of the process.
- D. All of the above

5. What is Standardization?

- A. It is used as a method to improve efficiencies in processes that have great variation.
- B. It helps in sustaining the process
- C. It is used to maximize compatibility & quality of the process.
- D. All of the above

Answers: 1 (D), 2 (D), 3 (C), 4 (D), 5 (D)

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