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What is the Six Sigma Black Belt Certification?

This project management qualification lasts for 10 days which will involve the Six Sigma Yellow, Green and Black Belts combined. During the first 5 days of the training course, you will learn the Yellow Belt and Green Belt courses and preparation for the exams. The final 5 days of the training course involves learning the Black Belt Certification. The session will include the advanced DMAIC tool and will include exam preparation. Following this, you will be able to assign team member roles to suit their skills, demonstrate team leadership skills and have a good understanding of the DMAIC model.

Motorola invented Six Sigma training courses in the 1980's and it has since been used in many other companies. Six Sigma is used to improve techniques for businesses, with an emphasis on collecting and analysing data on business processes so as to locate where weaknesses are occurring and decide on the best way to reduce them. Black and Master Black Belts have the task of overseeing Six Sigma-related activities, while Yellow and Green Belts work with Black belts to help complete their work.

Six Sigma Black Belt Course Objectives

By the end of this training course, candidates will be able to:

- Show a proficiency for Six Sigma
- Review roles and responsibilities involved in improving processes
- Demonstrate comprehensive process mapping and software skills
- Identify the required project management skills for implementing process changes

Who is the Six Sigma Black Belt Certification for?

The Six Sigma Black Belt Certification has been developed for anyone who is able to demonstrate the fundamentals and methods of Six Sigma.

Why should I take the Six Sigma Black Belt Certification?

By completing this course certification, the holder will be able to display experience of Six Sigma and the skills required to manage, control and lead quality improvement projects using DMAIC techniques.

Pre-Reading

Work provided prior to the training course consists of various pre-course guides and requires around 30 hours of study time.

Six Sigma Black Belt Certification Exam Information

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- 100 multiple choice questions
- 70% required to pass

The units of this course include:

Different and improved ways of working

- Managing meetings
- Keeping track of responsibilities
- Using improvement wheels
- Managing cycles of emotional change
- Communication skills
- Motivating others
- Running critical issues workshops

Advanced Equipment

- Takt & Cycle time
- Balancing work
- RRS
- R&R Gage
- Mapping value streams
- Experiment designs
- T&F Testing
- Using advanced control charts

Managing Operational Performance

- How to design a dashboard for performance management
- How to use a dashboard for performance management
- Interpreting trends
- Visual management basics
- Building business cases
- Reporting on performance management

Leadership Fundamentals

- The principles of leadership
- Forming a team of top performers

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- Situational leadership
- Running rapid action and quick wins teams
- How to manage resistance
- Coaching and giving feedback

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