



ACCELERATED

SIX SIGMA BLACK BELT PROGRAM



To find out more about this unique Accelerated Six Sigma Black Belt program, contact MIS Global Technologies for a detailed course outline.

1300 731 939

info@misglobaltech.com.au

Six Sigma is now generally recognised as a 'Global Best Practice' approach to process management and improvement. Companies and governments throughout the world have adopted the Six Sigma approach to business management with amazing results and with benefits now counted in the billions.

The Six Sigma Black Belt is an integral part of the deployment strategy of the Six Sigma framework and a key player in leading the push towards improvement throughout the organisation.

Current programs for Black Belt certification are time-consuming. They ignore the existing skill sets of candidates and require all candidates to complete courses in their entirety. With limited resources in organisations available

for efficient delivery of products and services, this places a great deal of stress on the workplace as individuals need to be absent from their workstations for lengthy periods of time.

The Six Sigma Black Belt program, however has been expertly designed to allow for the recognition of existing skills and to deliver content information in a less disruptive fashion. This, in turn, ensures minimal loss

of productivity. Specifically, the program acknowledges the existing project management skills and past Quality exposure of individuals and focuses on key deliverables within the Six Sigma method. It also provides for formal certification in 5 days rather than the standard 6-18 months. And it does all this at a cost that is significantly below that of traditional programs.



To the organisation:

- > Faster turnaround of skills development with less disruption to the normal pressures of the work environment
- > Less cost for the development of key skills and techniques in a sound management framework
- > Accelerated development of the future leaders of the organisation
- > Reduction in high recruitment costs for currently skilled people already in high demand

To the participant:

- > A globally recognised certification viewed highly by organisations around the world
- > Recognition of your existing experience in the fields of Project Management and other Quality methods (TQM, Rummler-Brache, PDCA)
- > Enhanced opportunities for career advancement
- > Experienced Six Sigma Black Belts can demand over \$150K pa.

Peter Van Trier Training Facilitator Master Black Belt

Peter has worked for some of the world's leading organisations and has been involved in all facets of Six Sigma implementation, improvement and training:

- > Over the past 10 years, Peter has trained and certified over 60 Black Belts, 150 Green Belts and more than 2,000 Yellow Belts
- > Candidates can leverage off Peter's extensive successful past projects and Six Sigma implementation experience

- > His projects have delivered more than \$60M in benefits and he has coached over 70 project teams around the world
- > Peter uses a high project-oriented focus in Six Sigma training delivery
- > Peter has been involved in training and deployment in more than 10 different countries around the world in environments and cultures as diverse as New York, Frankfurt, Tokyo, Melbourne and Jakarta



PROGRAM **DELIVERY AND INVESTMENT**

DELIVERY METHOD

1. Fundamentals of Six Sigma Yellow Belt e-Learning

E-Learning program duration 4 hours with online assessment:

- > Provides an introduction to Six Sigma methodologies, terminologies and how Six Sigma can provide significant benefits
- > Builds content knowledge and familiarity with language, tools and methods
- > Builds basic understanding of DMAIC and of the quality tools
- > Develops understanding of why the tools are used and what they are intended to deliver
- > Provides basic knowledge of Six Sigma and excellent for awareness training throughout an organisation

2. Six Sigma Green Belt e-Learning

E-Learning program duration 12 hours with online assessment.

Designed for an individual that works a normal job but can act as a leader of a process improvement team on a smaller scale (within divisions):

- > Provides very detailed training focused on Six Sigma Methodologies specific to certain sectors
- > Replicates the lecture portion of Green Belt training and thus provides more time for projects and simulations
- > Builds in-depth knowledge of DMAIC and the Six Sigma model
- > Produces strong skills in project methods and quality tools
- > Develops the skills required to build the tools and analyze the results of data collection

3. Accelerated Green & Black Six Sigma Intensive Workshop

A five-day, "live-in" intensive and interactive workshop that will allow the opportunity to practice skills and techniques and clarify e-learning content material. The entire workshop will have a simulation activity as the basis.

BLACK BELT CERTIFICATION **ACCELERATED**

The premise of this accelerated Six Sigma Black Belt is built around delegate prerequisites, and advanced blended training delivery with a high portion of Six Sigma and the improvement methodology of

DMAIC being delivered through the e-learning programs (providing about a 50% learning acceleration).
 > Delegates are required to provide a proven background in project management

- > Delegates are required to provide experience with a business improvement project
- > Have some understanding of applied statistical modeling

PROGRAM **SCHEDULE**

The Program will commence on Sunday evening with a welcome dinner and a Six Sigma overview. Each day of the program will start at 8.30am and finish around 6.00pm with evening assignments on days 1, 2, 3 & 4. The main body of participants will be split into equal groups for completion of assignments.

Groups will need to give presentations on the morning of days 2, 3, 4 & 5. In addition, each candidate will go through a 'one-on-one' interview and project file review with the program facilitator.

On Friday (the final day of the program), there will be an open

book exam made up of 100 multiple choice questions. Certification documents will be presented shortly after the completion of the workshop.

For a comprehensive overview of the course components please refer to the table below.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
WELCOME DINNER	Core Process	Presentations	Presentations	Presentations	Presentations
Arrival & Registration	Key Customers	Measurement Planning	Simulation	Design of Experiments	Exam Preparation Time
The History of Six Sigma	Requirements	Operational Definitions	Pareto Charts	Mistake Proofing	The Black Belt Exam
The Six Sigma Method	CTQs & CTPS	Discrete V Continuous Data	Cause & Effect	FMEA	DEPARTURE DINNER
The Six Sigma Metric	Efficiency V Effectiveness	Data Sampling/ Collection	Identifying Root Cause	FMEA Exercise	
	Dashboards	Tick Sheets	Hypothesis Testing	The Pilot	
	Variation	Gage R&R	Annova	Simulation	
	Process Prioritisation	COPQ - RTY	Value Added Exercise	The Implementation Plan	
	DMAIC/ DFSS/LEAN	Calculating Sigma	Brainstorming	Change Management	
Logistics of Simulation	Roles & Responsibilities	Run Charts/Trends	Affinity	Process Documentation	
	Simulation	Control Charts/Variations	Solutions	The Process Owner	
	The Charter	Histograms/ Capabilities	The Should Be Map	Process Dashboards	
	The As Is Map	Statistical Process Control		Handover	
	Evening Assignments	Evening Assignments	Evening Assignments	Evening Assignments	
	Interviews	Interviews	Interviews	Interviews	



PROGRAM

OUTCOMES

After successful completion of the program, candidates will be presented with a Certified Black or Green Belt qualification.

BLACK BELT CERTIFICATION

Candidates for Black Belt status are technically oriented individuals and are highly regarded by their peers. They should be actively involved in the process of organisational change and development. Candidates may come from a wide range of disciplines and need not be formally trained statisticians or engineers. However, because they are expected to master a wide variety of technical tools in a relatively short period of time, Black Belt candidates will ideally possess a background incorporating college-level mathematics and the basic tools of quantitative analysis. Coursework in statistical methods may be considered a strong plus

or even a prerequisite. As part of their training, Black Belts receive extensive classroom instruction, plus one-on-one project coaching from Master Black Belts.

GREEN BELT CERTIFICATION

Green Belts are Six Sigma project leaders capable of forming and facilitating Six Sigma teams and managing Six Sigma projects from concept to completion. Green Belt training consists of extensive classroom training and is conducted in conjunction with Six Sigma projects. Training covers project management, quality management tools, quality control tools, problem solving and descriptive data analysis. Six Sigma champions should attend

Green Belt training. Usually, Six Sigma Black Belts help Green Belts define their projects prior to the training, attend training with their Green Belts and assist them with their projects after the training.

MIS Global Tech can coordinate a project re-submission and assessment for any Green Belt that attends the Accelerated Program. This is to give Green Belts the opportunity to get the Black Belt Qualification after the course has been complete. This service is only applicable to attendees of our Accelerated Program and will incur an additional cost of \$1500 (inclusive of GST). NB. Successful attainment of the black belt certification is not guaranteed.

PROGRAM

INVESTMENT

Accelerated Six Sigma Black Belt Program \$9,990.00 (incl. GST)

This costing includes the e-Learning modules, workshop, assessment and certification. It also includes accommodation and all meals for the length of the workshop. A deposit of

\$2,995 (incl. GST) needs to be paid to receive your online learning modules. Full payment must be received four weeks before the commencement of the workshops.

The program cost is AUD\$9,990.00 (incl. GST) which includes:

- > E-learning for the yellow and green belt components (Must be completed before the workshop)
- > Accommodation
- > All meals
- > Transport (special conditions apply)
- > Six Sigma Black Belt certification





Are you committed to your success?
MIS Global Technologies



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