

MASTER BLACK BELT PROGRAM (MBB)

Lean Six Sigma Master Black Belt's are the foundation of a successful Lean Six Sigma Implementation and the development of Master Black Belts is a vital element in the Lean Six Sigma Journey. They are able to share their expertise effectively with others and generate infectious excitement around your Lean Six Sigma Program. They also facilitate project selection and project reviews. They mentor, teach and lead Black Belts and Green Belts to successful project completion.

Delegates may select 3 of the following advanced tools trainings for Master Black Belt Program;

- **Compulsory**
 - Tool Expert Workshop
 - Design for Six Sigma Workshop (DFSS)
- **Elective (One of the following)**
 - Lean Tools & Techniques Workshop
 - Train the Trainer Workshop

In addition to successful completion of above trainings, delegates must meet the following criteria;

- Certified Six Sigma Black Belt
- Submission of 2 Six Sigma Black Belt projects
- Qualifying Six Sigma Master Black Belt Exam
- Demonstration of eight to 25 hours of Co-teaching (depending on the expertise experience)
- Demonstration of Management skill of Six Sigma Deployment (One-on-One interview)



Driving Change. Building Leaders

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TOOL EXPERT WORKSHOP

Tool Expert Workshop will bring in a number of new problem solving techniques that will enhance the competence and understanding of the Black Belts. Delegates will learn high-level Six Sigma tools in this hands-on workshop. These beneficial techniques such as, destructive testing, Non-normal data analysis, noise variable controls etc, Advanced Statistics, Taguchi DOE, Response Surface Methodology will take the delegates beyond the usual Six Sigma Black Belt & Green Belt Trainings.

This workshop is best for Six Sigma Practitioners who desire to extend their knowledge and problem solving capabilities.

The workshop will help delegates to;

- Learn the applications of Advanced DMAIC tools and techniques to real world problems
- Learn new techniques to deal with Non-normal data
- Taguchi Design of Experiments and Response Surface Methodology
- Learn new techniques for using advanced ANOVA techniques to qualify destructive measurement systems
- Advanced Statistics, General Liner Method, Binary Logistic Regression

Course Details

- Course duration - 4-day workshop
- Who all should attend – Six Sigma Practitioners and Prospective Master Black Belts
- Dates – 10th to 13th April, 2011



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DESIGN FOR SIX SIGMA WORKSHOP

Pivotal Resources' Design for Six Sigma Workshop is a powerful and informative treatment for treating core product development issues. This workshop aims to provide a unique perspective that'll assist Six Sigma Practitioners in deciding how, where, when and why DFSS would be implemented. This workshop will also help practitioners understand the application of DFSS tools so that they can anticipate and eliminate defects before and during design stage.

Delegates will also understand and gain in-depth knowledge on the most popular DFSS methodology, Define-Measure-Analyze-Design-Validate (DMADV).

The workshop will help delegates to;

- Understand the DFSS methodology (DMADV)
- Understand how to design, plan, launch and sustain a DFSS project
- Advanced Quality Function Deployment, Design Scorecard
- Learn how to do financial risk assessment
- Learn Monte Carlo Simulation and Tolerance Analysis
- Reliability Statistics and Reliability Data Analysis
- Learn the principles of DFMA, Design for Manufacturing & Assembly

Course Details

- Course duration - 4-day workshop
- Who all should attend – Six Sigma Practitioners, Design Team Heads and Prospective Master Black Belts
- Dates - 22nd –25nd April , 2011



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LEAN TOOLS WORKSHOP

Pivotal Resources' Lean Manufacturing course is an in-depth study of the Lean discipline. It is designed to help Six Sigma practitioners and others to learn the concepts of Lean and its integration with Six Sigma to accelerate the growth of the business. It focuses on cost reduction and increase in the turnover through systematic approach of continuously eliminating non-value added activities.

The objective of this 4-day session is to;

- Overview of Lean
- Understand the difference in Batch, Mass and continuous production
- Learn how to identify and eliminate wastes, Roadmap for Waste elimination
- Understand Muda, Mura and Muri
- Learn the concepts and implementation of Total Productive Maintenance
- Learn the concepts of 5S, Kanban, Value Stream Mapping, SMED, Poka Yoke, Production leveling, Standardized Work, Cellular layout,

Course Details

- Course duration - 4-day workshop
- Who all should attend – Six Sigma Practitioners, Design Team Heads and Prospective Master Black Belts
- Quality professionals who want to learn Lean tool set
- Dates – 11th to 14th May, 2011



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TRAIN THE TRAINER WORKSHOP

Lean Six Sigma Deployment requires technical skills, masterful leadership & communication skills. Pivotal Resources' Lean Six Sigma Train the Trainer Workshop is aimed at honing the ability of the delegates to deliver Six Sigma Trainings & Presentations and also enhances the communication skills they need to get others understand and take action. This class is highly recommended for prospective Master Black Belts & individuals that give frequent presentations and teach others to sell ideas.

The objective of this 3-day workshop is to

- Learn the Best practices of delivering Six Sigma Trainings
- Learn how effectively one can define the goals and organize ideas to build clarity in the presentations.
- Understand the difference in Best and the Worst training practices
- Understand learning styles, stages and behavioral issues
- Understand how to maintain composure and confidence in front of the group

Course Details

- Course duration - 3-day workshop
- Who all should attend – Anyone whose role is to teach and motivate others. Prospective Master Black Belts and Lean Six Sigma Trainers
- Dates – 28th to 31st June, 2011



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Our Estimated time line and fees

Pivotal Resources Master Black Belt training is designed to be delivered over 4 modules of 15 Days.

The program focuses on Advanced Statistical Methods used in Six Sigma projects. In addition to conventional tools like Advanced QFD, DOE and Hypothesis testing, the program is designed to focus on competency of Master Black Belts and skills to demonstrate to achieve success within their position and their career band.

Our approach to serving clients is to provide you the outcomes desired at the most predictable and budgetable price possible. Enclosed is the pricing structure.

You have an option of the bundled offering:

| Phase | Price |
|--|-----------------|
| MBB program- Phase and Fees | |
| 1.0 Tool Expert Workshop – 4 Days | 28,000 |
| 2.0 Design for Six Sigma (DFSS) – 4 Days | 35,000 |
| 3.0 Lean Tools Workshop – 4 Days | 32,000 |
| 4.0 Train the Trainer – 3 Days | 28,000 |
| Total (“bundled”) | 1,10,000 |

We determine our fee schedules based on our estimates of the time and resources it takes to deliver the services under consideration. You have an option of going for a bundled offering or take the Modules. Our fees reflect our experiences in delivering extensive programs similar in size and scope.

The above fee excludes prevailing Service Tax.



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