

# GBMP Lean Six Sigma Green Belt Certification Program



**Overview:** Over the course of 8 full days (or 16 half days) participants will master critical steps to take to assure dramatic, project focused continuing improvement. After an inspirational and fun introduction to the basics of statistics and continuous improvement, students will select a project to work on throughout the duration of the course. Guided by an experienced MBB facilitator, students will utilize scientific methods to define, measure analyze, improve and control their selected project. At the end of the course, students will complete one significant project. The course is instructor-led and can be held virtually or on-site at your company for private courses and at a local company for public courses.

## **Course Outline:**

- Day One: Introduction to Continuous Improvement, project Definition
- Day Two: Measuring your measurement system.
- Day Three: Value Stream Mapping, roll throughput yield, FMEA
- Day Four: Stability, Problem Solving, 5S & Visual Systems
- Day Five: Multi-Vari, ANOVA, 7 QC tools, CEDAC, KATA
- Day Six: Standardized Work and Set Up Reduction, DOE methodology
- Day Seven: Poka-yoke, Control charting, Training Within Industry (TWI)
- Day Eight: Management Responsibility, testing and presentations.

## **After taking this class attendees will be able to:**

- ✓ Demonstrate a solid understanding of Lean and statistical principles and techniques
- ✓ Determine key opportunities and apply these tools in their own workplace
- ✓ Understand how each of the tools can help improve the top (sales) and bottom lines (profitability)
- ✓ Complete one significant project
- ✓ Manage a project through DMAIC process

**Who should attend?** This course is a must for managers, supervisors, engineers and others seeking to gain a practitioner level of knowledge and experience in applying Lean thinking and techniques in their facilities. The course is also appropriate for new hires at companies already using Lean principles and tools, managers and team members looking for a comprehensive refresher, and anyone planning to take the National Lean Certificate Exam will find the program invaluable.

**Time Commitment?** 64 hours (meets 8 times for a full day or 16 half days)