



Six Sigma Yellow Belt
April 9, 16, 23, 30
8:00 am - 5:00 pm
32 hours
\$1,200.00
Discounts for PUPR Alumni and
CIAPR members

Certification
(Exam and Case Study)
9:00 am - 4:00 pm
6 hours
\$250.00

Six Sigma Green Belt - Please call

Yellow Belt and Green Belt Courses

What is Six Sigma?

Six Sigma is a powerful methodology for developing a breakthrough improvement strategy in service and manufacturing organizations, based on a set of advanced statistical and management tools. It emphasizes reduction of business processes variation that leads to dramatic increase in customer delight, quality performance, productivity and stockholders value.

A Six Sigma level represents a defect rate of 3.4 per million opportunities in a product or process. The methodology is results oriented by mean of projects based on top and bottom line impact, which apply to all business processes.

Yellow Belt level will be focused on people to deploy Six Sigma at the operational and plant floor. Green Belt level will be focused at the more strategic level of the organization. Both trainings will apply comprehensive teaching tools for statistics and data analysis.

Several workbooks are included in the training and a binder material set will be distributed to each participant. An innovative approach toward project support will be developed using an education platform.

Registration:

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Six Sigma Yellow Belt Course (4 days)

Topics	Content
* Six Sigma * DMAIC Overview	- Why Six Sigma? - DMAIC Methodology Model/BB-GB-YB Roles
Define Phase	- Project/Team Charter
Measure Phase	- Introduction to Statistics - Data collection planning / Operational definitions - Basic Measurement Systems - Patterns in Data - Introduction to Process Capability & Sigma
Analyze Phase	- Process Door and Data Door tools - Value Added / Non Value Added - Organizing Causes - Introduction to Hypothesis Testing and Design for Experiments (through simulation/videos)
Innovative / Improve Phase	- Implementation Planning and Execution
Control & Continuous Improvement Phase	- Control Phase Tools - Introduction to SPC

Six Sigma Green Belt Course (9 days)

* Six Sigma Overview * DMAIC Overview	- Why Six Sigma? - DMAIC Methodology Model - Business case - Voice of the Customer - SIPOC
Define Phase	- Project / Team Charter - Six Sigma Leadership Role - Lean-Six Sigma Strategy - Data collection planning - Funneling: Prioritization Matrix, FMEA
Measure Phase	- Operational definitions - Gage R&R - Patterns in Data - Process capability and Sigma calculations
Analyze Phase	- Process Door and Data Door - VA / NVA - Multi-vari Analyses - Organizing Causes - Normal Theory - Hypothesis testing - T-tests - Chi-Square - ANOVA - Intuitive experimental approaches - Factorial experiments - Analyzing factorial experiments - Confounding
Innovative Improvement	- Creativity & innovation - Solution generation techniques
* General / Select Solutions * Implement / Check Results	- Selection strategies - Implementation planning and Execution - Evaluating results
Control & Continuous Improvement Phase	- Quality control - Process change management - Documentation - Standardization - Error proofing - Monitoring - Advanced control charts
Review & Graduation	- DMAIC Case Study