Leading Strategies in Six Sigma: Mastering Process Excellence

9 – 13 August 2027
Kigali (Rwanda)



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Why This Course

As organizations continue to pursue operational excellence and data-driven transformation, the role of Six Sigma leaders has evolved from process improvement specialists to strategic change agents. Driving sustainable results now requires not only technical mastery but also advanced leadership, analytical, and strategic planning skills.

The Advanced Six Sigma Leadership and Strategy program is an intensive 1-week course designed for experienced Six Sigma practitioners — Black Belts, Master Black Belts, and operational leaders — who are ready to take their impact to the next level. This course empowers participants to lead enterprise-wide Six Sigma initiatives, manage complex improvement portfolios, and develop the next generation of Six Sigma leaders.

What You'll Learn and Practice

By joining this program, you will:

- Strengthen leadership and strategic influence in Six Sigma program execution.
- Master advanced tools for planning, deploying, and governing Six Sigma initiatives.
- Apply data analytics and predictive modeling to complex business challenges.
- Develop strategies to overcome resistance and sustain long-term improvement.
- Mentor and build high-performing Six Sigma teams across the organization.

The Program Flow

Day 1: Advanced Six Sigma Leadership

- The evolving strategic role of Six Sigma in organizational excellence.
- Leadership styles and their influence on project and cultural success.
- Leading change and managing transformation in process improvement.
- Building, motivating, and sustaining high-performance Six Sigma teams.
- Workshop: Leadership assessment and action planning for Six Sigma executives.



Day 2: Strategic Planning and Deployment

- Aligning Six Sigma with enterprise strategy and corporate objectives.
- Project portfolio management and prioritization for maximum ROI.
- Applying Hoshin Kanri Policy Deployment in Six Sigma rollouts.
- Resource planning, budgeting, and governance of Six Sigma initiatives.
- Exercise: Developing a strategic roadmap for Six Sigma deployment.

Day 3: Advanced Data Analysis and Decision Making

- Applying advanced statistical and analytical techniques for complex systems.
- Leveraging big data and digital analytics to enhance Six Sigma accuracy.
- Predictive modeling for proactive process improvement and risk mitigation.
- Decision analysis frameworks for data-driven strategic leadership.
- Case Study: Using analytics to solve high-impact operational problems.

Day 4: Overcoming Six Sigma Implementation Challenges

- Identifying and addressing organizational barriers to Six Sigma success.
- Strategies for maintaining momentum and sustaining improvement gains.
- Managing cultural resistance, skepticism, and fatigue.
- Adapting Six Sigma to various business models and global environments.
- Simulation: Crisis management and recovery in a stalled Six Sigma initiative.

Day 5: Mentoring and Developing Six Sigma Talent

- Coaching and mentoring approaches for Six Sigma leaders and teams.
- Designing impactful internal Six Sigma training programs.
- Succession planning and developing future Black Belts and Master Black Belts.
- Measuring, recognizing, and rewarding Six Sigma performance and results.
- Capstone Project: Designing a leadership and talent development strategy for your Six Sigma program.

Individual Impact

- Gain mastery in leading large-scale Six Sigma initiatives with strategic clarity.
- Strengthen your analytical, coaching, and change management capabilities.
- Build executive presence and influence in operational excellence leadership.
- Develop a personal roadmap for ongoing Six Sigma leadership growth.



Organizational Impact

- Enhance alignment of Six Sigma initiatives with strategic business goals.
- Improve project selection, execution, and sustainability across functions.
- Build organizational capability through effective mentoring and talent pipelines.
- Foster a culture of continuous improvement and innovation enterprise-wide.

Training Methodology

This program integrates advanced concepts, practical application, and strategic leadership development to ensure real-world impact. Learning methods include:

- Advanced case studies from global Six Sigma deployments.
- Interactive simulations and data-driven decision-making exercises.
- Group workshops on leadership, change, and coaching.
- Peer discussions and expert-led facilitation sessions.
- Practical templates, toolkits, and strategic frameworks for organizational use.

Beyond the Course

Upon completion, participants will be equipped to lead Six Sigma programs that deliver sustained performance improvement and organizational transformation. They will return ready to:

- Design and execute a strategic Six Sigma deployment roadmap.
- Apply advanced analytics and decision-making tools to complex challenges.
- Mentor emerging Six Sigma talent and build organizational capability.
- Lead enterprise-wide change with vision, confidence, and measurable impact.

