CHOOLS
LEAN SIX SIGMA
BELT PROGRAMS

Simple | Smart | Speed
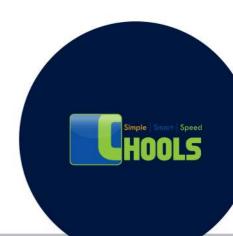CHOOLS

COURSE OVERVIEW

Lean Six Sigma Belt Programs certification is an effective tool for professionals to implement, perform, interpret and apply Lean Six Sigma conceptual techniques at an advanced level. Integrating the essence and the core of the DMAIC model, it up–skills professionals to demonstrate exceptional leadership. It makes you understand the pulse of team dynamics. Identify the right talent for the right role in your team, and responsibly lead a successful Lean Six Sigma project.

BOOST AGILITY SPEED & EFFICIENCY: BASE

Learn and apply Agile–Lean–Six–Sigma (ALSS) tools and techniques to improve any business process, while getting certified as White–Belt, Yellow–Belt, Green–Belt, Black–Belt. The ALSS courses build robust skills in opportunity analysis and project management to deliver measurable impact. As an ALSS student, you will learn how to uncover hidden potentials and systematically drive performance improvements, creating real benefits for you and your company. Over the past 20 years.

We have trained over 30000+ champions in 40+ countries who delivered over $500 million hard savings from their first Agile Lean Six Sigma projects alone. Start applying proven tools and techniques to 'move the needle' of relevant key performance indicators (KPIs).

BOOST AGILITY SPEED & EFFICIENCY: BASE

- Kick-start your professional improvement journey

- 100% online, self-paced, with certification exams

- Get certified as a White, Yellow, Green, Black Belt

- Eliminate wastes and boost efficiency with Lean

- Accelerate project implementation with Agile

- Reduce variability to boost quality with Six Sigma

- Translate opportunities into formal project charters

- Take quizzes to check your knowledge, get feedback

- Apply learning to create measurable improvements

- Standardize processes and create work instructions

- Deliver real benefits by reducing effort, time, cost

- Download ALSS toolkits and ready-to-use template

.

WHY YOU WANT IT

- Build skills to boost your career by simultaneously improving quality, speed, productivity, and cost. Your will learn how to apply problem-solving and performance-improvement techniques to create breakthrough results for your process, team, and company.

- The training helps you to reduce waste and complexity with Lean to improve flow and efficiency, eliminate the causes for variations and defects with Six Sigma to boost quality and customer satisfaction, and accelerate improvements with Agile through incremental, iterative project delivery.

- Agile Lean Six Sigma courses are for mangers and functional specialists to reduce variations and defects by up to 90%, measurably increasing productivity, cost, quality, and customer satisfaction with a return on investment of 10x. Nothing to lose, much to gain. Boost skills and results now!

WHITE BELT TOPICS

8 Wastes Identification

5S Method and Audit

Fishbone 6M Categories

5 Why, simple Problems

PDCA Process, Template

YELLOW BELT TOPICS

Agile Project Charter

5S as a System

8W "DOWNTIME"

Basic Control Charts

Abnormality Signals

Batch and Queue

Cellular Concept

Continuous Flow

Cycle Time Basics

Downtime and Efficiency

Error-Proofing, Poka-Yoke

First-In First-Out FIFO

Fishbone Ishikawa 6M

Kaizen Principles, Project

OPL One Point Lesson

Overproduction

Problem Solving PDCA

GREEN BELT TOPICS

Agile Sprint Planning

Daily Scrum, Sprint Review

Cycle, Takt, Tact, Pitch

Inventory Optimization

Just-in-Time JIT

Lean Manufacturing

Lean Admin & Service

Load-Leveling, Heijunka

Management Boards

Product and Service Matrix

Pull Systems: A and B

Setup Reduction SMED, RTS

Skill-Matrix

Spaghetti Chart

Standard Operating Procedure

Total Productive Maintenance

Value Stream Mapping VSM

BLACK BELT TOPICS

Product Roadmap Creation

The 7 Quality Control Tools

Cost of Poor Quality COPQ

Profit Per Hour PPH

Zero-Based Budgeting ZBB

Flexibilizing, Balancing

Flow Production, Service

Non-Performance Cost NPC

Process Capability Cp, Cpk

Measurement System GR&R

Pull Systems: A, B, C

Risk Analysis FMEA

Strategic Planning, Roadmap

Strategy Deployment, X-Matrix

Cycle Time, Takt, Pitch

Yield FPY, FTY, RTY

Variability Reduction Method

MASTER BLACK BELT TOPICS

Design of Experiments Review

Blocking in Experiments

General Factorial Experiments

Six Sigma Residual Analysis

Non-Normal Data – Transformations

Non-Normal Data in Experiments

Sequential Experimentation

Response Optimization Designs

Multiple Response Optimization

Transactional Improvements

Simulations for Improvement

Applied Experimentation

Statistical Process Control

Mistake Proofing

Control Methods

Project Closure and Synergy

Optimization experiments

Advanced regression methods

Handling multi-response experiments

Distributional analysis

Advanced SPC methods

Class Project

Project Reviews

Final Exam

LEAN SIX SIGMA – PROGRAM BRIEF

HOW IT WORKS
The program consists of three parts: training, application, certification. During the training, participants learn about principles, tools, and techniques. Right after the training, they apply learnings in practical improvement projects to build real skills and create measurable benefits.

HOW LONG IT TAKES
The time to become a White Belt takes 2 days effort over a 1-month period, a Yellow Belt takes 5 days effort over 2 months, a Green Belt requires 10 days effort during 2 months, and a Black Belt is certified after implementing a transformation program, requiring at least 30 days effort over a 6-month period.

WHO IS INVOLVED
The four key roles are sponsor, student, trainer, and controller. The sponsor initiates the program, provides context and allocates resources. The student invests time to read the material, complete the exercises, develop a project, and implement improvements. The trainer reviews progress and provides coaching feedback. For Yellow Belt and above, the project controller validates financial benefits created.

WHAT YOU CAN EXPECT
Certified Lean Six Sigma champions are able to see and act on opportunities that were not known or not addressed before. By improving quality, efficiency, and flexibility, those champions generate real benefits from reduced defect rates, faster delivery, lower cost, and higher customer satisfaction.

HOW MUCH IT COSTS
Courses generate a positive return as skills are applied and improvements implemented. Most projects achieve full payback within the implementation period, delivering a financial benefit 10x over tuition fees (ROI), making it a worthwhile investment

WHITE BELT

- Purpose: build certified capability at the «Advanced» level for managers and specialists, responsible for teams or assets.

- Schedule: 10 days effort within a 3-month period to learn the theory, implement a cross-functional improvement, and attain certification.

- Exit competencies: map value streams, implement flow and pull, apply statistical analysis and controls, solve advanced problems, train and certify White and Yellow Belts.

- Benefit: cross-functional project to deliver at least 20% performance gain and $20,000 financial benefit.

YELLOW BELT

- Purpose: build certified capability at the «Intermediate» level for anyone working with a computer, machine, or process.

- Schedule: 5 days effort within a 2-month period to learn the theory, implement a small improvement project, and attain certification.

- Exit competencies: improve process quality and efficiency by reducing wastes, develop project charters, solve basic problems, train and certify White Belts.

- Benefit: functional improvement to deliver at least 10% performance gain or $5,000 financial benefit.

GREEN BELT

- Purpose: build certified capability at the «Advanced» level for managers and specialists, responsible for teams or assets.

- Schedule: 10 days effort within a 3-month period to learn the theory, implement a cross-functional improvement, and attain certification.

- Exit competencies: map value streams, implement flow and pull, apply statistical analysis and controls, solve advanced problems, train and certify White and Yellow Belts.

- Benefit: cross-functional project to deliver at least 20% performance gain and $20,000 financial benefit

BLACK BELT

- Purpose: build certified capability at the «Expert» level for program leaders and organizational change agents.

- Schedule: 30 days effort within a 6-month period to learn the theory, implement a transformation project, and attain certification.

- Exit competencies: lead cross-site transformation programs, apply statistical methods to analyze and solve complex problems, train and certify White, Yellow, Green Belts.

- Benefit: transformation project to deliver at least 30% performance gain and $50,000 financial benefit.

MASTER BLACK BELT

- Lean Six Sigma Master Black Belt (MBB) is a systematic study of the capacity to lead the Lean Six Sigma principles to propel the organization to its destination.

- Schedule: 45 days effort within a 6-month period to learn the theory, implement a transformation project, and attain certification.

- Exit competencies: lead cross-site transformation programs, apply statistical methods to analyze and solve complex problems, train and certify White, Yellow, Green Belts and Black Belt.

TPS
LEAN
SIX SIGMA

LEAN SIX SIGMA

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TOTAL QUALITY MANAGEMENT

QUALITY ASSURANCE

QUALITY CONTROL

INSPECTION

SKILL PYRAMID

The Skill Pyramid is a professional support structure that allows people to connect with each other, exchange experiences, develop new ways of working, and provide expert knowledge and coaching support. For example, a customer service agent who is working on a Yellow Belt project receives support from an accountant, who is a certified Green Belt and worked on a similar project before. Leanmap helps clients to design and implement such professional support structures that leverage expert-skills across functions, divisions, and sites. As Master Black Belt (MBB) or Project Management Officer (PMO) we provide interim management assistance to ensure that the program delivers the desired change and impact .

OUR PRESTIGIOUS CLIENTS

Simple | Smart | Speed
CHOOLS

Coca-Cola
COCO-COLA – INDIA

PEPSICO
MENA

WNS
BRITISH AIRWAYS

CSS CORP
GLOBAL LOGISTICS

ExxonMobil
NORTH AMERICA [SHALE GAS]

BUNGE
SHARED SERVICE

SUPPLY CHAIN EXCELLENCE – INDIA
PERFETTI van Melle

Henkel
NORTH AMERICA
LEAN TRANSFORMATION

R.S.LOGISTICS
PAN INDIA

pwc
CONSULTING

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