SigmaWay
Quality in every step

LEAN SIX SIGMA CERTIFICATION

Six Sigma Black Belt

An eight-day programme for professionals who lead complex improvement projects and coach Green Belts across the organisation.

DURATION	FORMAT	BATCH SIZE	PREREQUISITE
8 days · 50 hrs	Classroom	20	Green Belt or equivalent

Who should attend

- Certified Green Belts ready for the next level
- Continuous-improvement and quality leaders
- Operations and transformation managers
- Consultants leading cross-functional projects

What you will be able to do

- Select and lead high-impact, cross-functional projects
- Apply hypothesis testing, regression and ANOVA
- Design and analyse experiments (DOE)
- Run statistical process control and measurement system analysis
- Coach Green Belts and manage change with stakeholders

Two ways to join

Open registration — individuals join a scheduled classroom batch.
Corporate batch — a private batch of up to 20 for your organisation, on-site, scheduled around your teams.

Assessment & certification

Certification requires completing the full training and passing the assessment. Successful participants receive a SigmaWay Six Sigma Black Belt certificate.

ENQUIRIES

Book a seat or plan a corporate batch

SigmaWay Trainings · trainings@gosigmaway.com
+1 727 490 3166 · +91 88002 72235

Enquire now

WHAT THE PROGRAMME COVERS

Tools & concepts

Deployment & leadership

Deployment models · Project selection · Benefits tracking · Change management · Coaching Green Belts

Define

Voice of the customer at scale · Kano model · Stakeholder analysis · Complex project charters

Measure

Measurement system analysis · Gage R&R · Sampling · Capability (normal & non-normal)

Analyze

t-tests · ANOVA · Chi-square · Non-parametric tests · Multiple regression · Logistic regression overview · Multi-vari analysis

Improve

Design of experiments · Full & fractional factorials · Response optimisation · FMEA · Piloting

Control & Lean

Statistical process control · Control plans · Value stream mapping · Flow & pull

AI-ENABLED

New tools you will use

Black Belts learn to combine classical statistics with machine learning and GenAI, and to coach teams on using them responsibly.

AI-assisted statistics in Excel & Python · ML models to predict defects and drift · AI help planning experiments · Automated control-chart alerts · GenAI for reports and coaching notes

FREQUENTLY ASKED QUESTIONS

Can we run it only for our company?

Yes. Corporate batches take up to 20 participants and can use your own processes and data in the case work.

Do I need a statistics background?

No advanced maths is needed. A Green Belt or equivalent practical experience is expected.

Book a seat or a corporate batch

Open registrations and private batches of up to 20. Prices on request.

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Request a quote

www.gosigmaway.com/our-services/training