

Black Belt Certification

Lean Six Sigma is a performance based continuous improvement methodology which is aimed at delivering break through performance in terms of quality and speed. The methodology is a widely recognised as an enabler for achieving, sustaining and maximising business success.

Learners who have achieved recognised Lean Six Sigma Black Belt Certification are individuals who are skilled to apply intensive and diversified process improvement techniques to achieve greater efficiency and effectiveness. In particular a Certified Black Belt is able to provide training, facilitation, direction, analysis and expertise on product and process improvements opportunities within their organisation.

Course Features

- A four-week course designed to give participants a comprehensive understanding of the Lean Six Sigma tools and the benefits that can be gained by their use.
- Participants of these training programs are eligible for certification as Black Belts upon completion of the course.
- An examination and the submission of a formally documented project portfolio, which identifies savings made through the use of the tools and learning's are a necessary requirement for final certification.
- It is a requirement of this training that each participant have a project where they can apply their learning's and therefore deliver timely benefits back to their organisation.

Pre-requisite

- Black Belt Training is undertaken independently without the need for prerequisite courses.
- For participants with a Lean Manufacturing background, recognition of prior learning means this course can be reduced by one week after successful demonstration of knowledge via an exam.

Key Topics

- The Lean component of this training includes modules such as; Value Stream Mapping, 5S and Visual Controls, Total Productive Maintenance, SMED Change-over, Just-In-Time, Poka-Yoke, and Kaizen Blitz.
- The Six Sigma component of this training includes modules such as; Basic Statistics and Graphing, (types of distributions & descriptive statistical tools) Measurement Systems Analysis, probability theory, confidence intervals, hypothesis testing, control charting & regression analysis, change management, project selection, project management and benefits capture.
- This training uses the DMAIC framework to integrate the tools into a logical format and give participants a structured approach to projects.
- Learners are also trained in Design of Experiments (DOE) which focuses on the understanding of the relationships between key input factors and the response of a process resulting in improved optimisation and control.

Who Should Attend?

Departmental Managers, Training Managers, Middle Managers, Quality Managers, Project Managers, Line Supervisors, Process Improvement Engineers, Engineers, IT Managers or any staff tasked with contributing to change programs aimed at delivering improved yield, quality, service delivery and costs.

External 20 Day

On-Site 20 Day

Corporate Headquarters

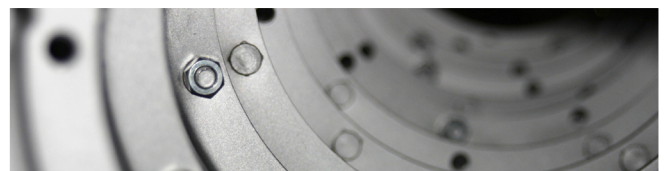
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