PRACTITIONER TRAINING · CONTINUAL IMPROVEMENT

Lean Six Sigma Green Belt Training

Self-paced online training (video) · 13 modules · about 3 hours of video, plus practice exercises · about 6 hours in total · English, with captions

Lead a Lean Six Sigma improvement project through DMAIC: charter, measurement, baseline sigma level, process capability, root causes, hypothesis tests, regression, solutions and a control plan that holds the gain.

WHO IT IS FOR

Quality, process and production engineers, supervisors, analysts and managers in manufacturing and service organisations who lead or will lead improvement projects, and Yellow Belts ready to take the next step.

WHAT YOU WILL LEARN

- Write a project charter with a clear problem, goal, scope and business case
- Plan data collection and check the measurement system before trusting the data
- Calculate yield, defects per million, sigma level and process capability
- Find and verify root causes with lean analysis, Pareto and cause-and-effect tools
- Test a cause with a two-sample t-test and model a relationship with simple regression
- Pilot solutions and write a control plan that keeps the improvement in place

MODULES (13)

1. Welcome: why Green Belt projects succeed or fail
2. DMAIC, the Green Belt role and choosing a project
3. Define: charter, CTQs and SIPOC
4. Measure: map, data plan and measurement check
5. Measure: yield, defects per million and sigma
6. Measure: process capability, Cp and Cpk
7. Analyse: value stream, waste and takt time
8. Analyse: Pareto, stratification, causes
9. Analyse: the two-sample t-test
10. Analyse: correlation and simple regression
11. Improve: choosing, mistake-proofing, pilots
12. Control: control plan, charts and handover
13. Putting it together, a road map and the exam

PRICE

US$99 per learner

Per learner, by team size

1–10 learners	**US$99**
11–50 learners	**US$79**
51–200 learners	**US$69**

Excluding taxes.

DURATION

About 6 hours in total (3 hours of video)

MODULES

13

FORMAT

Self-paced online training (video)

LANGUAGE

English, with captions

ACCESS

12 months

CERTIFICATE

Sterling Academy Certificate of Competence

Scan for the course page, prices and enrolment