

excelledia®

Lean Six Sigma Offerings



About Excelledia

Excelledia Quality Consulting is a leading business process improvement and management consulting firm, helping organizations to be significantly more efficient, effective and financially profitable. We provide best practices business optimization solutions to implement process, technology & organizational improvements.

Excelledia facilitates enhanced competitiveness through multi-faceted interventions leading to Business Improvement by consulting, people, process and operational assessments, benchmarking and resource provisioning.

Why Excelledia for Six Sigma Trainings?

- Experienced Consultants, with wealth of practical experience at senior levels
- Experienced in implementing tools, techniques and methodologies for operational excellence

Yellow Belt Training - 2 Days

Objective - Yellow Belt training is designed to ensure that when Black Belts or Green Belts meet to start their projects, team members who are familiar with and have a good working knowledge of the Six Sigma tool kit.

Course Syllabus

The Basic Concepts behind Lean Six Sigma

- The benefits of Lean Six Sigma
- Suitable applications
- Project case studies
- Introduction to D.M.A.I.C. methodology

What Does The Customer Want?

- Needs / Measures Matrix
- Valuable Tools and Concepts

Processes: Performance & Variation

- Process Mapping
- Measuring Systems
- Cost of Poor Quality (COPQ)
- Understanding Variation

Data – Why You Need It And What To Do With It?

- Analysing data
- Statistical Process Control

Identifying Root Causes and Improvements

- Process Improvement

Making Improvements Stick

- Control Charts

Transferring the Improvements for More Benefits

- The Lean Six Sigma Mindset

Green Belt Training - 5 Days

Objective - Upon completion of the course delegates will be proficient in the use of all major Lean Six Sigma tools. They will be able to apply the tools to live training projects aimed at delivering an improvement and financial saving in their chosen process.

Course Syllabus

Introduction to Continuous Improvement

- Roles and Responsibilities
- 5 by 6 Project Tracker (storyboard order / tool use guide)
- Project Selection Methods
- Pareto Analysis

Defining Challenges and Collecting Evidence

- 'Critical to' Trees
- Cost of Poor Quality
- Problem, Objective Statements and Metric Charts
- Attribute Data and Key Measures
- Variable Data and Key Measures
- Value Stream Mapping (VSM)

Analysing the Current State

- Lean Process Mapping Techniques
- 6 Sigma Process Mapping Methods
- Measurement Systems for Attribute and Variable Data
- Process Capability and Normality Testing
- Brainstorming and 5 Why's

Root Causes and Impact on the Organisation

- Cause and Effect Matrix
- Failure Mode and Effects Analysis
- Hypothesis Testing Methods for Attribute and Variable Data
- Correlation and Regression
- Statistical Process Control for Attribute and Variable Data

Improvements and Controls

- Introduction to DoE
- Mistake Proofing
- Standardised Work
- 5S and Visual Management
- Countermeasure Matrix
- Control Plans
- Green Belt Assessment

Please note that individual coaching and support to reinforce learning is available at the conclusion of each training day.

Black Belt Training - 5 Days

Objective - Upon completion of the course delegates will be proficient in the use of all Six Sigma tools. They will be able to apply the tools to complex projects aimed at delivering an improvement and financial saving in their chosen process. In addition, they will have sufficient knowledge to coordinate Green Belt project activity.

We aim for Black Belts to be self sufficient internal consultants.

Course Syllabus

- Introduction to Lean Six Sigma
- Green Belt Knowledge Review
- The Role of the Black Belt
- Responsibility of Project Sponsors and Champions
- Stakeholder Engagement
- Establishing customer requirements
- Advanced Lean Six Sigma tools and their application within the DMAIC methodology including;
 - Design of Experiments (DoE)
 - Quality Function Deployment (QFD)
 - Design for Six Sigma
 - Overall Equipment Effectiveness (OEE)
 - Changeover (SMED)
 - Kanban – 1 Piece Flow
- Managing Lean Six Sigma Projects and Deployments
 - Managing Change and gaining 'buy in'
 - Managing and coaching Green belts and their projects
 - Project tracking and replication
 - Deployment Communications
 - Project Selection Methods
 - Sponsor Training
 - Project Review Process
 - Sustaining Improvement
- Improvement strategies for transactional and manufacturing processes



What our client says

'The training has been invaluable in equipping the managers with the tools and techniques required to enable them to identify and remove time wasting activities, which will reduce costs and release time to improve customer focused activity. Everyone enjoyed the course and the Directorate are keen to implement the new skill they have learnt.'

Associate Director

"I just wanted to say a personal thank you for the CI session last week. It was very effective and the way you took us through it was very productive, there is so much I can take forward and use, much more than any other Lean or Six Sigma training I've had before. It was obvious to me that you put a lot of time and effort into the course and without that it wouldn't have been as rewarding as it was.

Again, thank you, I genuinely appreciate everything you taught me.'

Business Change Manager

'Thank you for guiding me through the training programme to final certification as a Lean Sigma Green Belt – I look forward to receiving certificate.'

HR Practitioner

Our Offices

DOHA – QATAR • DUBAI – UAE • BANGALORE & MANGALORE – INDIA

info@excelledia.com • www.excelledia.com