anexas
consultancy SE

Lean Six Sigma Black Belt

Come Together And Join The Pioneer Of Lean Six SIgma Black Belt Training & Certification

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www.anexas.net

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ABOUT THE COURSE

Training

28 Hours of Live Online Interactive Classroom Sessions & Guaranteed Internship

Projects

Facility to undergo projects in Retail, E-Commerce, Web & Social Media, Banking, Supply Chain, Healthcare, Retail, Insurance, Entrepreneurship, Finance & More

Internship

Best performers get internship support to gain practical experience of the learnings

Placement

100% placement assistance for 1-Year post successful completion

Certification

Distinguish your profile with the global credential of Certified Six Sigma Executive (CSSE-BB) and showcase expertise by using the Hallmark of CSSE-BB next to your name

E-Learning Access

Get access to abundant tools and techniques, video content, assessments, and more

Bootcamps

Regular Bootcamps spread over the next 12 months

Hackathon

Free Access to mock exams and simulations

Membership

Get 1-Year Gold Membership of Anexas Management Academy for the Lean Six Sigma Black Belt Certification

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KEY FEATURES

01 50 worked out projects from various industries and 2 hours of Free live project guidance every week from industry experts

02 Lifetime access to online live classes at no cost and course materials and Free eBooks

03 More than 10 complementary online courses and Simulation exams to prepare for IASSC and ASQ exams

04 Hallmark of CSSE-GB next to your name For example: Naveen Chandra (CSSE-GB)

05 Life time validity of certificate with international recognition

06 Videos recorded by Amitabh Saxena on Lean Six Sigma tools are loaded in your dashboard, which can be accessed for a life time

07 24x7 Lifetime Support & Access

08 100% Placement assistance Support for 1 Year

09 Participants will get 60 PDUs for Lean Six Sigma

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COURSE CIRRICULUM

Module 1: Introduction

1. Introduction to class
2. Introduction to Anexas

Module 2: Course Overview

1. Course purpose & objectives
2. What is Six Sigma
3. History of Six Sigma

Module 3: Why Six Sigma

1. Estimating process sigma
2. Understanding Variation

Module 4: DMAIC

1. Overview of DMAIC
2. Overview of DMADV
3. Case study
4. DMAIC storyboard template

Module 5: Start Your Project

1. Project Selection Criteria
2. Team charter
3. Project Charter
4. Elements of Project Charter

Module 6: Process Basics

1. Quality, systems, and processes
2. Work as a process

Module 7 : Understanding the Voice of the Customer

1. What is VOC and importance
2. Defining the customers
3. VOC data collection plan
4. Reactive/proactive data collection systems

Module 8: Understanding VOC

1. Kano model
2. Defining CTQs
3. Setting specifications for CTQs
4. VOC data collection plan

Module 9: Process

1. Understanding Processes
2. SIPOC
3. Examples on SIPOC

Module 10: Measure

1. Basic statistics and introduction to Minitab
2. Normal distribution
3. Mean and standard deviation
4. P-values

Module 11: Data Collection

1: Clarify Data Collection Goals
2: Develop Operational Definitions and Procedures
3: Validate Measurement System
4: Begin Data Collection
5: Continue Improving Measurement Consistency

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COURSE CIRRICULUM

Module 12: Data Analysis

1. Time-ordered data
2. Understanding variation
3. Variation versus specifications
4. Taguchi Loss Function
5. Types of variation, appropriate responses
6. Special cause, common cause
7. Plots of variation
8. Control charts
9. Specifications and control limits

Module 13: Analyze

1. Develop a focused problem statement
2. Identify potential causes
3. Brainstorming, Five Whys
4. Understand relationships between potential causes
5. Might-cause check
6. Cause-and-effect diagram
7. Tree diagram
8. Prioritizing Input Variables

Module 14: Verifying Causes

1. Verifying cause-and-effect data
2. Histograms
3. Scatter plots
4. Pareto Charts
5. Box Plots

Module 15 : Review and practice Process Analysis

1. Process maps
2. Identifying Value-Added path
3. VA/NVA analysis
4. Identifying flow issues

Module 16: Process Analysis

1. 8 wastes
2. Cycle time
3. Bottlenecks
4. Value Stream Mapping (VSM)

Module 17: Improve

1. Involving people
2. Lean solutions
3. Generating solution alternatives
4. Evaluating solutions
5. Prioritization matrix, Pugh matrix
6. Task and timeline planning
7. Budget and resource planning
8. Planning for change
9. Planning to check
10. Potential problem analysis
11. Piloting
12. Implementing the plans

Module 18: Evaluating results

1. Quantifying results
2. Evaluation and reactions

Module 19: Control

1. Link improvement to management system
2. Methods for monitoring and control
3. Ongoing data collection, process control
4. Variation and individuals charts
5. Control charts for high-volume processes with subgroups: x bar and r charts
6. Control charts for discrete data: p, np, c, and u charts

COURSE CIRRICULUM

Module 20: Introduction

1. Introduction to class
2. Introduction to Anexas
3. Course purpose and objectives

Module 21: Green Belt Recap

1. Recap of key DMAIC concepts
2. DMAIC roadmap

Module 22: Case Study

1. LSS Projects Case Studies

Module 23: Voice of customer

1. Quality Function Deployment (QFD)
2. Projects Selection Criteria

Module 24: MSA Recap

1. Measurement System Analysis,
2. Variable Gage R & R
3. Measurement System Analysis,
4. Attribute Gage R & R

Module 25: Hypothesis Testing

1. Introduction to Hypothesis Testing
2. Hypothesis testing steps
3. Bull and Alternative Hypothesis
4. P-Values
5. Central Limit Theorem
6. Hypothesis tests Test of Means
7. 1-z, 1-t test, 2-t
8. Paired tests
9. Test of Means for 2 or More Than 2 samples – ANOVA
10. Test of Means for 2 or More Than 2 samples – ANOVA

Module 26 : Nonparametric Hypothesis Tests

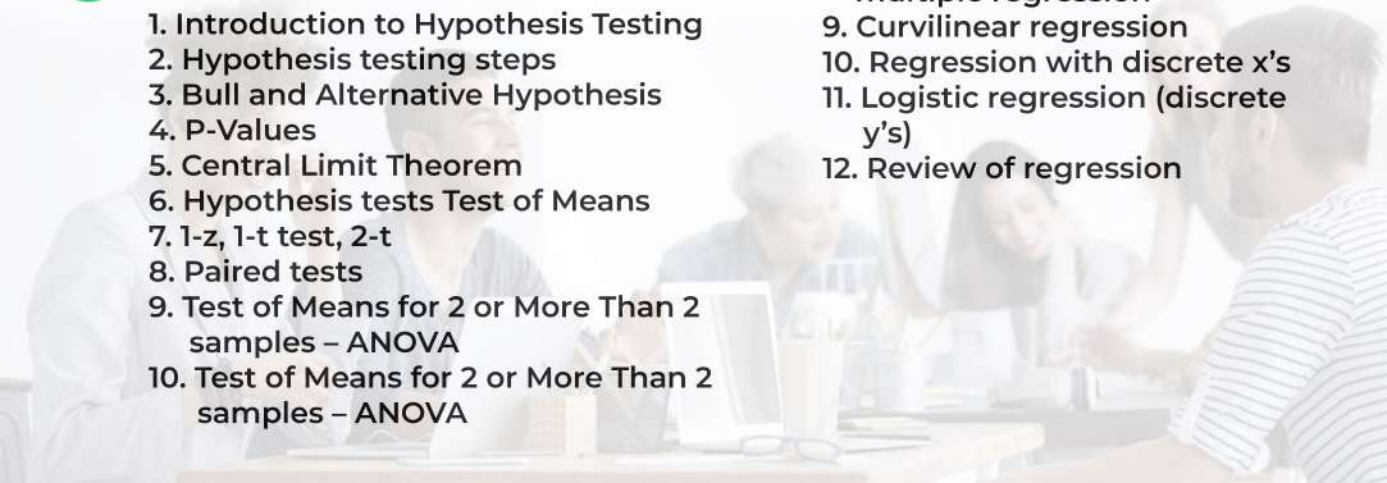
1. 1 Sample Sign
2. 1 Sample Wilcoxon
3. Mann-Whitney
4. Kruskal Wallis/ Moods Median

Module 27: Hypothesis Test for proportion

1. 1-Proportion, 2-Proportion
2. Comparing two or more group proportions: the chi-square test
3. Sample sizes for hypothesis tests
4. Review of hypothesis testing

Module 28: Hypothesis Test for continuous data

1. Correlation
2. Regression
3. Introduction to linear regression
4. Basics of regression analysis
5. General procedures for doing regression analysis (one x)
6. Multiple linear regression
7. Working with multiple regression
8. General procedure for multiple regression
9. Curvilinear regression
10. Regression with discrete x's
11. Logistic regression (discrete y's)
12. Review of regression



COURSE CIRRICULUM

Module 29: Project Guidance

1. Showcase projects
2. Projects review completed by participant's

Module 30: Design of experiments

1. The factorial approach to designed experiments
2. Designing a full factorial experiment: MSD 23 example
3. Planning and preparing for a designed experiment

Module 31: Control charts Revision

1. I-MR, X Bar R
2. p, np, c, u Charts

Module 32: Project Guidance

1. Project Review

Module 33: Case Studies

1. Case Studies Presentations

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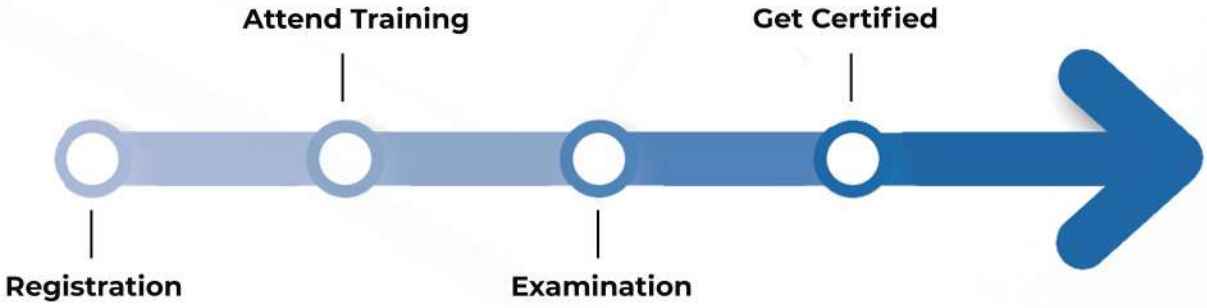
ANEXAS TRAINING METHODOLOGY

Live Projects	Live Projects are carried out during the training tenure to develop experiential learning for the participants. This helps in better understanding of the concepts and gain in-depth practical insight.
Unique Pedagogy	Uses a mix of techniques aligned to our unique G.C.A.O. pedagogy. This enables participants to derive focused-action-oriented outcomes from the training
End-to-End Engagement	Participants will be engaged throughout the training through reverse presentations, group activities, brainstorming sessions, and hands-on experience over both statistical and on-statistical tools. Idea is to focus on value creation

CERTIFICATION PROCESS



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LEARNING BENEFITS

01 Cultivate capabilities for Statistical Inference-Based Decision Making and Data-driven Problem-Solving skills

02 Gain the skill to Explore, Analyze and Solve Management Problems using 20+ management tools

03 Gain access to 33 PDUs (Professional Development Unit) that are required to maintain PMP certification

04 Sharpens Business Acumen and Commitment to improving processes

05 Derive Useful Information from Data Using Various Statistical and Analytical Tools

06 Learn essential Project Management and Leadership Skills

07 Gain the skill to make Customer - centric Actions at every stage

08 Understand the science to Develop High-quality Products and Services

09 Develop the capability to look beyond the present field with this domain and Industry - Independent Methodology

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CAREER BENEFITS

- Certified Six Sigma Professionals are eligible for jobs demanding Analytical background
- Improve your CV & LinkedIn Profile with a globally recognized certification
- Fill the void of thousands of untapped High-Paying Jobs for Six Sigma Certification holders having talent shortage
- Distinguish your profile from peers during Job Interviews with high valued skill set
- Open doors to Job Opportunities abroad demanding specialization
- Support a Startup with improved Process Quality and performance that leads to high-quality products and services

OUR CLIENTS

ADCO
Akshaya Pātra
Unlimited food for education
AVIS
bharti AXA
cisco
Colgate-Palmolive
DELL
Hospira
hp
ESHAL CONSULTANCY
ING
ING VYSYA BANK
King Fahad Medical City
مدينة الملك فهد الطبية
NAQEL EXPRESS
بنك الرياض
riyad bank
SAKRA WORLD HOSPITAL
SIEMENS
SYMBIOSIS INTERNATIONAL UNIVERSITY PUNE
Syngene
TATA
TATA BUSINESS SUPPORT SERVICES LIMITED
Tech Mahindra
TranSystems
EXPERIENCE | Transportation

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ANEXAS COMPANY PROFILE

Anexas Consultancy Se Pvt Ltd. Company in India registered in 2006 and is a group company of Anexas Denmark, which Is registered in Denmark. Another groups companies registered in UAE are Anexas Middle East Management Consultancy LLC in Abu Dhabi and Anexas FZE in RAK. It has branch operation in Riyadh, Saudi Arabia. Anexas group has been helping companies to gain a competitive advantage in international markets by providing consulting and training around the world which includes Middle East, USA, Europe and Asia. It is operating in Middle East for the past 10 years, with 3 operating companies. Anexas is an accredited training organization of International Association of Six Sigma Certification (IASSC) and Registered Education Provider of PMI (Project Management Institute), US.

Anexas has conducted training programs and done consulting assignments for the clients in following domains:

- Manufacturing
- Banking, Finance and Insurance
- Oil and Gas, Petrochemicals, Engineering
- Logistics and Shipping
- IT and ITES
- Healthcare and Hospitality

Anexas has trained more than 25,000 participants globally including 10,000 in Gulf countries in the following:

- Lean and Six Sigma (Green Belt, Black Belt, Master Black Belt), Kaizen, Business Process Management
- Artificial Intelligence , RPA
- Project Management, Risk Management, Strategy Management, Financial Management
- Balanced Score Card, Hoshin Kanri, Good to Great Company, Soft Skills
- Finance for Non Finance Managers, IT trainings
- Certificate In Corporate Governance Best Practice
- Contract & Project Risk Management & Compliance
- International Certificate in Risk Management
- Project Planning, Scheduling and Management
- Strategic Business Process Management
- Strategic Planning Budgets , GDPR

Anexas consultants have completed more than 1000 process improvement projects for their clients, which include consulting in lean six sigma, project management, Robotic Process Automation, GRPR, .Net and strategic management, leading to millions of dollars of proven savings for the clients .

Anexas has won many awards for its services, including Golden Peacock Quality and Innovation award given by Institute of Directors, London; Best Lean and Six sigma Institute award; Zee Business Success Story award and felicitations from Ministry of Health for conducting process management trainings. It has featured on Business TV and media for exemplary work for its corporate clients.

Anexas worldwide professionals are based at Abu Dhabi and Riyadh in the Middle East; London and Copenhagen in Europe; and Bangalore, Mumbai, Chennai and Delhi in India. They have spoken in worldwide conferences like American Society of Quality, IQPC, Marcus Evans, NASSCOM, etc. in US, Europe, Middle East and Asia.

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PRINCIPAL TRAINER AND CONSULTANT

AMITABH SAXENA
CEO, ANEXAS GROUPS

Amitabh Saxena is a Lean and Six Sigma Master Black Belt, CPHQ, PMP, Balanced Score Card, Artificial Intelligence and Robotic Process Automation consultant with 30 years of quality related experience in Manufacturing, Logistics, Banking, Petrochemicals, Healthcare, Services, Finance and IT domains. He is trained in Six Sigma at AXA University, Paris certified by ASQ and has consulted and trained more than 100 organizations in India, UK, Europe and Middle East. By education, he is a Chemical Engineer and MBA (Finance).

As Master Black Belt, Amitabh has guided more than 1500 improvement projects, trained more than 4000 Black Belts and 8000 Green Belts. He has also trained more than 2000 middle and senior management personnel in Strategic Management, Leadership, Artificial Intelligence, Robotic Process Automation, Lean, Balanced Score Card, ISO 9000, CMM and Statistical Process Control. He has spoken at global and national summits for ASQ, IQPC, Marcus Evans, Indian Statistical Institute, NASSCOM and chaired leading conferences on Process Excellence. Amitabh has authored Amazon bestselling book 'The Anexas Story' which describes his journey as an entrepreneur after working in corporates for twenty years as a quality professional.

Amitabh is a very well known consultant having won many awards and appeared on many TV Business channels like ET Now, CNBC, Zee Business, IBN, etc. He has received the global achievers award in quality excellence from the Economic Development Forum, Manipal award for achiever in Process Excellence consulting, CEO of best Six Sigma Institute in India award from Brands Academy.

In the past, Amitabh has worked in senior postings in KPMG, Deutsche Bank, Maersk in Denmark, AXA in UK and was also associated with Quality Mission Project of Indian Statistical Institute; Indo Rama (Thailand) Ltd and Bharat Petroleum. Presently he is with Anexas, consulting leading organizations in India, Middle East and Europe on six sigma and process excellence implementation.