“Control Your Own Quality or Some body Else Will” - Jacke wel
Dubai (UAE): “Six Sigma tools is being adopted by savvy companies who want to keep ahead of the game. In the UAE, companies are increasingly using of the Six Sigma strategy to cut costs in a resurgent Middle East economy.

Taking its name from a Greek symbol to validate the performance of a company, Six Sigma was first introduced by Motorola in the US and has since become a standard tool in large business organizations worldwide. The overall success of Six Sigma globally has spawned promising career opportunities for certified Six Sigma professionals in the Middle East.

About ITI: The Global Seat of Learning

The International Training Institute (ITI) is a leading educational institution in Dubai offering professional training courses backed by international certifications, to help individuals shine at the workplace.

With more than 15 years of training expertise, world-class faculty and well-designed, custom-delivered training modules, ITI stands tall with an alumni of 40,000 plus successful professionals. At ITI training creates a circle of excellence starting from knowledge, empowerment, innovation and excellence.

International certificates are endorsed by Knowledge and Human Development Authority (KHDA) and apex certifying bodies like International Quality Federation (IQF), International Purchase and Supply Chain Management Institute (IPSCMI), American Certification Institute (ACI).
The ITI is one of the pioneers of Six Sigma training in the Middle East and offers Green and Black Belt certification from the prestigious US-based International Quality Federation (IQF). The five-day training is held in Dubai and conducted by industry experts. The ITI partners with the Institute of Sigma Learning and the International Quality Federation.

Lucrative Jobs are on Offer for Six Sigma Professionals

A Master Six Sigma Black Belt can demand a salary of US $ 25,000 per month while a certified Six Sigma Black Belt is worth US$ 20,000. A certified Six Sigma Green Belt can demand a salary of US $ 15,000.

The world's top institutions like General Electric, Bank of America, Honeywell, Johnson and Johnson and JP Morgan Chase have implemented Six Sigma methodology resulting in savings worth millions of dollars. At least 25 per cent of Fortune 200 companies have a serious Six Sigma programmes in place.
The entire company needs to embrace the concepts of Six Sigma for it to work properly. If employees are willing to learn it and apply it skillfully to their jobs, costs will be reduced by 50% or more. Six Sigma also helps in understanding customer's needs better. It improves performance and delivery.

The Six Sigma concepts can be applied to finance, production, sales, marketing, supply chain and logistics design, administration and service. Six Sigma is used most often to help eradicate company malfunctioning through its use of business, statistic and engineering principles.

Six Sigma can be used to devise any solution that can reduce risks for a company and increase profitability. An example is where a nurse tending to a HIV patient can prevent herself from catching the deadly virus with the aid of a superbly-designed syringe, using the Six Sigma methodology.

Six Sigma training helps employees in better utilization of resources. It increases employee confidence as it imparts new skills that can be easily used and built upon in the workplace. Companies who have successfully implemented Six Sigma methodology can definitely expect better services from each other.

Implementation of the Six Sigma methodology has already created wonders for companies worldwide, it's now time for the Middle East to log on. Certified Six Sigma professionals have a brilliant future to look forward to, a promotion, a salary hike and greater self-esteem at the workplace.
Green Belt Certification program

ISL-certified Green Belts learn the six sigma problems solving methodology (DMAIC), and the statistical tools. The focus is to master the application skills rather than learning the theoretical understanding.

The program makes extensive use of MS-Excel for data analysis. At the end of the program the ISL-certified Green Belts can lead six sigma projects as well as effectively support Black Belts in breakthrough projects. Even though doing real-life project is not a requirement for certification, the Green Belts are encouraged to do projects.

About Institute of Sigma Learning

- Institute of Sigma Learning Pvt. Ltd. is established in 2001 to promote six sigma
- Conducted Six Sigma programs in Germany, Dubai, Indonesia, Malaysia, Sri Lanka.
- Rich consulting experience in Manufacturing, Automotive, Electronics and Operations.
- ISL is representative of International Quality Federation (IQF) USA.

www.itiiinstitute.org
Course Modules
The ISL-Green Belt course is divided into six modules and covers the International Quality Federation (IQF) USA Body of Knowledge (BoK).

Module 1
- Six Sigma Concepts and Philosophy
- Metrics: DPU, DPMO, RTY
- Six Sigma Deployment
- Champion, Black Belt and Green Belts
- Selecting Projects

Module 2
- Define Stage
- Measure Stage
- Basic Statistics: Concept of Variation, Data Types, Normal, Exponential, Binomial, Poisson distributions, Measures of central tendency – Mean, Median, Mode, Measures of dispersion – Range, Standard deviation, Variance, Central Limit Theorem
- Visualization Techniques: Process Mapping, Quality Function Deployment (QFD)

Module 3
- Analysis Stage
- Data Analysis: common and special causes of variation, Control charts, Xbar and Range Chart, Individual and Moving Range Chart, Histogram, p-chart, c-chart, Pareto analysis
- Cause and Effect diagram, Pre-control charts and Paired comparison
- Design of Experiments (DoE): Multi-Vari chart, Fractional Factorial designs, Full Factorial designs.

Module 4
- Improve Stage
- Process Capability: Cp, Cpk, Pp, Ppk
- Advanced Statistics
  - Sampling, Estimation
  - Hypothesis Testing
  - ANOVA
  - Correlation and Regression

Module 5
- Control Stage
- FMEA
  - Team Work

Module 6 (IQF Bok – Basic Topics)
- Distributions
- Statistical Inference & ANOVA
- Measurement Assurance
- SPC
- Process Capability
- One-Way ANOVA
Course Duration

The course is delivered in 5 days.
From 9.00 AM – 5.00 PM for all days.

Batch Size

A team of 15 – 20 is the optimal batch size, keeping in view the effectiveness of the training program.

Course material

Three books and CD containing softcopies of the presentations and Excel templates for data analysis.

IQF Certification Criteria

Certification from International Quality Federation (IQF) USA
- Attend the classroom training.
- A score of 50% or better in Fundamentals section on IQF Six Sigma Examination
- Project (optional). However, doing a project is highly recommended, as it improves the learning effectiveness.

Our Training Methodology

Faculty Profile

Dr. Chalapathi, PhD holder from the prestigious IIT, Kharagpur is an expert in Six Sigma. He is a renowned speaker and author of various books on Six Sigma.

Qualifications

- PhD in Quality from IIT, Kharagpur
- M.Tech from IIIT, Kharagpur
- B.Tech in Mechanical Engineering
- Certified Lean Master Black Belt
- Certified DFSS Master Black Belt
- Post Graduate Diploma
- Certified Lean Six Sigma Master Black Belt
- Certified Trainer from CBI, Netherlands
- Certified Lead Auditor ISO-9000
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