

# Six Sigma - Yellow Belt

## Leadership Development



9050



In-Class



30 hours

### Course Overview:

Six Sigma is a step-by-step process of statistical tools and interventions, with the help of which companies can interpret the business processes requiring attention, find the root cause of problems, and sustain improvement gains. The Six Sigma Yellow Belt is the first step for people/professionals into the world of process improvement. Six Sigma Yellow Belt program is meant for those who wish to gain a basic understanding of Six Sigma and the phases of DMAIC, Define, Measure, Analyze, Measure, Control.

### Course objectives:

- Explore the field of the process improvement
- Understand the six-sigma approach and practice the structured thinking skill
- Realize the importance of "Voice of Customer"
- Take the lead and be able to work as a change agent in the organization
- Recognize the true meaning of good product / good service
- Identify the "Cost of poor quality"

### Course Outline:

#### Module 1: Introduction

- What is six sigma? Why do we do six-sigma?
- Six sigma versus the traditional way of thinking
- What is the meaning of continuous improvement?
- DMAIC Approach, what is like it?
- Do we really understand the meaning of a (Good Product)?

#### Module 2: Define Phase

- What can be considered a six-sigma project?
- Projects selection criteria
- How to prepare a project mission statement
- What is the meaning of "TEAM"? How it can be successful?
- Project Charter

#### Module 3: Measure Phase

- What is the difference between process door and data door?
- SIPOC Diagram

- What are the customer needs? Are all of them equally important?
- How to represent our process graphically?
- Pareto concept

#### Module 4: Analyze Phase

- How to formulate theory about the problem root cause?
- What is a successful brain storming session?
- Cause and effect diagram.
- Histogram, is it the same as bar chart?
- What is time series? How can we use scatter plot?

#### Module 5: Improve Phase

- Do we usually have alternative remedies? Which one is the best?
- How to design your remedy
- What is FMEA?
- Will you find resistance from concerned people? Why?
- Have you considered culture?

#### Module 6: Control Phase

- Design effective quality controls
- What is foolproof design? How to use it?
- How to audit the process

### Target Audience:

Minimum of 2 years professional experience.

### Program Duration:

Total hours: 30 hrs. / 3:30 hours per day

### Assessment Strategy:

Participants will be informally assessed based on their interaction during sessions and their participation in group exercises

### Program language:

Material: English

Instruction and Explanation: Bilingual (AR<>EN)

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### Instructor Biography:

#### Eng. Ehab Elhefnawy

A man, with a diversified experience from sales management, business development passing thorough project management, operations to six sigma deployment and continuous improvement. His analytical thinking capabilities and innovation skills in addition to the business orientation give a good mixture of practicality and down to earth approach. Academic education of six-sigma black belt certification beside B. Sc. of Electrical Power Engineering in parallel to 20+ years of wide experience concerning different industries such as construction, electricity production and manufacturing via working for many multi-national organizations facing various exposures; supported him to be acknowledged as one of the best instructors at American University in Cairo (Management Center).

He delivered six sigma courses for more than twelve years, 800+ business professionals with several backgrounds, more than 1300 contact hours. He conducted also many project management sessions in Egypt, Nigeria and South Africa.

Currently he works as a country sales manager for Vertiv, the American global leader of data center business heading their operations in Egypt. Formerly he worked in distinct positions for Schneider Electric North East Africa in IT business unit, project management division, six-sigma coaching and project mentoring. Previously worked for EDF "Electricity de France" - a company owned by the French government in an electricity generation plant.

He believes that any business course will be only beneficial if it has a direct and clear impact on the participants' personal life, mindset and behavior. He also trusts that the best training session is the interactive one where most of the attendees can feel, express their knowledge and create a safe environment that encourage healthy education process.