

# International Academic Institute, The Netherlands



In co-corporation with  
**UMC Research and Training, Dubai**



**Present**

## **SIX SIGMA Green Belt**

### **Introduction**

This interactive 10-day course is designed to provide the learner the tools and application knowledge needed to successfully complete a Six Sigma Green Belt project. The course introduces the learner to the DMAIC process tools, the appropriate Lean techniques used in each process step, the application of those tools and methods for evaluating results. Many “real world” examples are used throughout the course to illustrate how the Lean Six Sigma Green belt methodology can be effectively applied in both manufacturing and transactional environments. Hands-on exercises and activities demonstrate the application of methodologies that support classroom lecture and feedback from daily evaluations.

### **Course Location**

**Dubai, UMC Research Training Center**

**Course Duration : 10 days**

**Course Fees 2600 USD includes:**

**Course tuition, Training Materials, Certificate, Workshops**

### **Certifications**

**Participants will receive Attendance Certification after completion of the course attested by the Government of Dubai.**

**New\*\*\* We have special offer for our participants to acquire European Certification from our Head office in The Netherlands. Spl. Charges may apply.**

After completion of this course the participants will be able to move to the next level of their career within their organization or secure their existing as well as increasing chances to get hired by lucrative companies as the companies will see you as a value addition to their Work Teams.

# Course Outlines

<p><b>Day 1 Six Sigma Overview</b></p> <ul style="list-style-type: none"> <li>• Lean Six Sigma Definitions , Understanding Six Sigma</li> <li>• Understanding Lean Principles</li> <li>• Understanding Losses Attributable to "Waste"</li> <li>• Interrelationship of Six Sigma</li> </ul>	<p><b>Day2 Organizing for Lean Six Sigma</b></p> <ul style="list-style-type: none"> <li>• Culture</li> <li>• Project Identification and Selection</li> <li>• Project Criteria</li> <li>• Process Simulations</li> </ul>
<p><b>Day 3 The Define Phase</b></p> <ul style="list-style-type: none"> <li>• Selecting an Output Characteristic ("Y")</li> <li>• Defining Performance Standards</li> <li>• Describing the Process</li> <li>• Value Stream Mapping</li> <li>• Swim Lane Mapping</li> <li>• Project Charters &amp; Cost of Poor Quality</li> <li>• Understanding Basic Statistics</li> </ul>	<p><b>Day 4 The Measure Phase (Measurement System Analysis)</b></p> <ul style="list-style-type: none"> <li>• Variable Gage R&amp;R</li> <li>• Attribute Agreement Analysis</li> <li>• Variables Data Capability Analysis</li> <li>• Attribute Data Capability Analysis</li> </ul>
<p><b>Day 5 The Analyze Phase</b></p> <ul style="list-style-type: none"> <li>• Identification of Potential Causes</li> <li>• Hypothesis Testing</li> <li>• Chi-Square &amp; ANOVA</li> <li>• Correlation Analysis &amp; Regression Analysis</li> <li>• Basic Design of Experiments</li> <li>• Quick Changeover (SMED)</li> </ul>	<p><b>Day 6 The Improve Phase</b></p> <ul style="list-style-type: none"> <li>• Establishing Operating Tolerances</li> <li>• Re-evaluating the measurement system</li> <li>• Total Productive Maintenance</li> <li>• Cellular Manufacturing</li> <li>• 5S – Visual Management</li> </ul>
<p><b>Day 7 The Control Phase</b></p> <ul style="list-style-type: none"> <li>• Principles of Statistical Process Control</li> <li>• Process Capability &amp; Error Proofing</li> <li>• Reliability &amp; Asset Utilization</li> <li>• Standardized Work</li> <li>• Pull Systems</li> </ul>	<p><b>Day 8 Kaizen &amp; Class Exercise</b></p> <ul style="list-style-type: none"> <li>• Developing the Action Plan &amp; Kaizen Outcomes</li> <li>• Lean Production Simulation (Round 2)</li> <li>• Project Background and Description of Exercise</li> <li>• Define ,Measure, Analyze ,Improve, Control</li> </ul>
<p><b>Day 9 and Day 10</b></p> <p>Workshops / Exercises /exams/ Thesis</p>	<p><b>Contact us:</b></p> <p>Phone: +971556862692</p> <p>Email: <a href="mailto:training@umcresearch.com">training@umcresearch.com</a></p> <p>Web: <a href="http://www.umcresearch.com">www.umcresearch.com</a></p>