

Certified Six Sigma Green Belt

Course Objectives

By the end of the Certified Six Sigma Green Belt, participants should be able to: Apply the Six Sigma Methodology with main emphasis on Define, Measure, Analyze, Improve and Control (DMAIC) approach. The DMAIC methodology is universally recognized and it is used when a product or process is already existing and do not meet the desired quality level.

Course Contents

Six Sigma Introduction	Module 1 : Team Dynamics
<ul style="list-style-type: none"> • Six Sigma philosophy and its role in achieving business competitive advantage • The PDCA Model • Six Sigma methodology using DMAIC and DMADV • Roles of major players in Six Sigma implementation • Recommended steps in implementing a successful six sigma 	<ul style="list-style-type: none"> • Why work in team? • Team structure • Team leadership skills
Module 2 : PLAN Stage	Module 3 : DO Stage
Define <ul style="list-style-type: none"> • Identify and prioritize improvement opportunity • Form project teams • Identify customer requirements • Identify and map process to be improved 	Analyze <ul style="list-style-type: none"> • Root cause analysis / Process Mapping • Identify sources of variation • Identify and validate the most significant root cause Measure <ul style="list-style-type: none"> • Identify what to measure • Determine what is the measurement index to use • Basic understanding of variation • Measurement system analysis
Module 4 : CHECK Stage	Module 5 : ACT Stage
Improve <ul style="list-style-type: none"> • Establish improvement solution • Select the best improvement solution • Communicate the best improvement solution • Implement the final improvement solution • Document final improvement solution 	Control <ul style="list-style-type: none"> • Establish a control plan • Develop Out of Control Plan (OCAP) • Implement monitoring and feedback system • Review and evaluate the result of changes • Document validated process changes • Close and move on to the next project

Entry Requirements

At least one year working experience.

Who Should Attend

Engineers and other practitioners/change agents who will be assisting in Six Sigma projects; or individuals interested in progressing to achieving certification for Six Sigma Black Belts.

Duration

60 hours

	AOQ Member	Non-Member
Six Sigma Green Belt	\$ 3560	\$ 3795