



Training Course	VALUE ENGINEERING
Course Language	English
Course Duration	Total Number of hours: 35
Course Objectives	<p>Define Value and Quality</p> <p>Apply Value engineering for your projects.</p> <p>Use and benefit from The VE Language" Function Analysis".</p> <p>Scientifically compares and chooses between alternatives by using the Quality Based Selection (QBS) .</p> <p>Certify in Value Engineering</p> <p>Integrate VE within the design process.</p> <p>Develop a systematic approach to avoid unnecessary cost.</p> <p>Develop an effective team.</p> <p>Integrate VE within Quality Management.</p> <p>Identify the similarities and differences between VE and other Quality improvement techniques.</p>
Learning Outcomes	<p>This Value Management Workshop is not for Engineers only but for all Designers, Managers & Stockholders to improve quality and reduce costs (it's a problem solving approach...) but what differentiate VM is the function analysis techniques that participants will be able to learn.</p>



Course Content

Day 1 – The basic principles and organization. Pre study stage + information phase

Day 2 – Function Analysis Phase + FAST Diagram

Day 3 – Creativity, evaluation and development phases

Functional – cost analysis (Functional Analysis)

Techniques of group discussion and idea generation

Development of performance indicators (financial and non-financial)

Quality Base Selection

- Value Engineering workshop to learn how to apply the creativity, evaluation & development tools and techniques.

Day 4 – Implementation of the results of Value Engineering

Delay Analysis

Simulation of life cycle costs

Evaluation of options and proposals on the basis of the value engineering

Reporting format in value engineering

Using the results of value engineering in projects of capital construction

V E Workshop to learn how to analyse different projects using the life cycle costing and to prepare VEP + revision using the mind maps to be ready for the AVS exam.

Day 5 – AVS Examination

Course Material /Technology used/ Details Relevant to the course

Training Manual

Presentation

Open discussions

Case Studies