

# ADVANCED VALUE ENGINEERING



**MPAM111**  
**Maintenance**  
**Planning and**  
**Asset**  
**Management**

**COURSE TITLE****ADVANCED VALUE ENGINEERING****COURSE DATE/VENUE**

07 – 11 December 2019

London, UK

**COURSE REFERENCE**

MPAM111

**COURSE DURATION**

05 Days

**DISCIPLINE**

Maintenance Planning and Asset Management

**COURSE INTRODUCTION**

The success of the VE process is due to its ability to identify opportunities to remove unnecessary costs while assuring quality, reliability, performance and other critical factors that meet or exceed the customer's expectation.

**COURSE OBJECTIVE**

**Upon the completion of this course, participants will know how to:**

- Understand value Engineering Apply value engineering for your projects.
- Use and benefit from function analysis.
- Scientifically compares and chooses between alternatives using QBS.
- Integrate VE within the design process. Integrate VE with TQM.
- Develop a systematic approach to avoid unnecessary cost.
- Develop and effective team.
- Enhance the professional relationship with clients and customers.

## **COURSE AUDIENCE**

This is meant for entrepreneurs, senior executives/ managers, consultants, students, business executives and value practitioners in government and public sector organizations, small and large scale enterprises.

## **COURSE CONTENT**

### **Day 1**

- Expectations from the Workshop, Team introduction, Introduction to Reference Materials, Course Methodology
- Overview of Value Engineering - What, How, Why & When
- Function analysis phase
- Creativity phase
- Evaluation matrix phase
- End of 1st day session

### **Day 2**

- Function analysis - FAST Diagram
- Financial analysis
- Development phase
- Presentation phase
- Project selection for the company and team formation
- End of 2nd day session

### **Day 3**

- Project work - Discussion on projects
- Understanding the project
- Information phase
- Function phase - Function analysis
- Function analysis - FCW, FAST
- End of 3rd day session

#### **Day 4**

- FAST diagram continued
- Creativity phase
- Evaluation Phase - finalization of ideas
- Development phase
- End of 4th day session

#### **Day 5**

- Saving calculation - financial evaluation
- Presentation phase
- Preparation for presentation
- Preparation for presentation continued
- Management Presentation
- Valedictory session

#### **COURSE CERTIFICATE**

**TRAINIT ACADEMY** will award an internationally recognized certificate(s) for each delegate on completion of training.

#### **COURSE FEES**

\$6,500 per Delegate. This rate includes participant's manual, Hand-Outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

#### **COURSE METHODOLOGY**

The training course will be highly participatory and the course leader will present, guide and facilitate learning, using a range of methods including formal presentation, discussions, sector-specific case studies and exercises. Above all, the course leader will make extensive use of real-life case examples in which he has been personally involved. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of multiple-choice

type will be made available on daily basis to examine the effectiveness of delivering the course.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Case studies & Practical Exercises
- 10% Role Play
- 10% Videos, Software or Simulators (as applicable) & General Discussions

