



SC115: Capital Project Budgeting for Construction Project

Training Description:

The overall aim of this training course is to provide participants with the knowledge and skills needed to successfully estimate project costs, capital project budgeting and manage construction project budgets. Participants in this interactive course will learn all the critical tools and techniques required to plan, manage, control, and optimize overall project finances in construction project.

Training Objectives:

By the end of the training, participants will be able to:

- ✓ Explain the project cost management process and develop constructions project cost management plans
- ✓ Develop a business case and utilize capital budgeting techniques to evaluate long-term investments used in a project/construction project
- ✓ Develop accurate estimates and identify different methods for estimating a project's overall costs
- ✓ Develop a project cost baseline and project budget and explain contingency and management reserves allocated for the project
- ✓ Identify project variance and calculate project performance metrics using earned value analysis
- ✓ Identify different cost-saving strategies for projects and apply continuous improvement concepts on project overall finances

Training Designed for:

This course is intended for Project managers, Construction project managers who seek to estimate costs for the activities of their projects, manage project budgets, and learn the different methods that can help in saving project cost.

Training Requirement:

"Hand's on practical sessions, equipment and software will be applied during the course if required and as per the client's request."

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client's learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

FIVE DAYS:

- ❖ Overview
 - Project life cycle
 - Construction project
 - Project cost management processes
 - Cost management plan
- ❖ Capital budgeting
 - Business case
 - Capital budgeting techniques
 - Benefit/Cost Ratio (B/C)

- Return on Investment (ROI)
- Payback Period (PBP)
- Net Present Value (NPV)
- Internal Rate of Return (IRR)
- Decision Tree/Expected Monetary Value (EMV)
- ❖ **Cost estimation**
 - Building work breakdown structure
 - Estimation accuracy
 - Cost estimating techniques
 - Expert judgement
 - Analogous estimating
 - Parametric modeling
 - Bottom-up estimating
 - Three-point estimating
- ❖ **Project budgeting**
 - Cost aggregation
 - Preparing budgets
 - Types of costs
 - Contingency reserves
 - Cost baseline
 - Management reserves
 - Funding limit reconciliation
 - Cashflow management
 - Project cost optimization
- ❖ **Cost saving strategies**
 - Cost saving strategies for projects
 - Optimize the use of labor
 - Smooth workloads
 - Improve quality of your processes
 - Value stream mapping
- ❖ **Earned value management**
 - Variance analysis
 - Earned value analysis
 - Cost performance metrics
 - Schedule performance metrics
 - Forecasting your project
 - Control account management
- ❖ Course Conclusion
- ❖ POST-ASSESSMENT and EVALUATION

Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:

Aisha Relativo - Training & Career Development Manager

aisha@cmc-me.com / training@cmc-me.com

Tel.: +971 2 665 3945 or +971 2 643 6653 | Mob.: +971 52 2954615