

JOIN THE ELITE GROUP
OF AACE INTERNATIONAL

CERTIFIED COST PROFESSIONAL (CCP)

IPEC PROJECT SYSTEMS
SDN BHD



Today's ever changing business environment requires new approaches to cost engineering management, which has become an important tool for dealing with time to market, resources limitations, downsizing and global competition.

Like any other business one of the business objectives of any Engineering, Construction and Project Management (ECPM) enterprise or project is to be profitable.

Effective cost management is the prime focus to let the business keep making profit. Cost management in ECPM is more challenging than other businesses. This is due to the fact that the cost management in ECPM industry is not merely business economics, finance management and accounting, but it also covers a knowledge domain of engineering, and project management. This leads to rather new discipline that encompasses knowledge areas of engineering, cost management and project. Becoming a Certified Cost Professional (CCP) is a proven way to enhance your value to employers

and clients by providing an impartial endorsement of your knowledge and experience.

Earning your Certified Cost Professional (CCP) shows your professional commitment and ability to your peers, supervisors and clients may give you the competitive edge when being considered for promotion or future opportunity. In addition AACE International salary surveys reveal that Certified Cost Professionals earn more at all steps through their career than those without certification.



What is Cost Engineering?

Cost engineering the engineering practice devoted to the management of project cost, involving such activities as cost- and control- estimating which is cost control and cost forecasting, investment appraisal and risk analysis.



Cost Engineers budget, plan and monitor investment projects. They seek the optimum balance between cost, quality and time requirements. One key objective of cost engineering is to arrive at accurate cost estimates and schedules and to avoid cost overruns and schedule slips. Cost engineering goes beyond preparing cost estimates and schedules by helping manage

resources and supporting assessment and decision making. The discipline of 'cost engineering' can be considered to encompass a wide range of cost-related aspects of engineering and programme management, but in particular cost estimating, cost analysis/cost assessment, design-to-cost, schedule analysis/planning and risk assessment.

AACE International

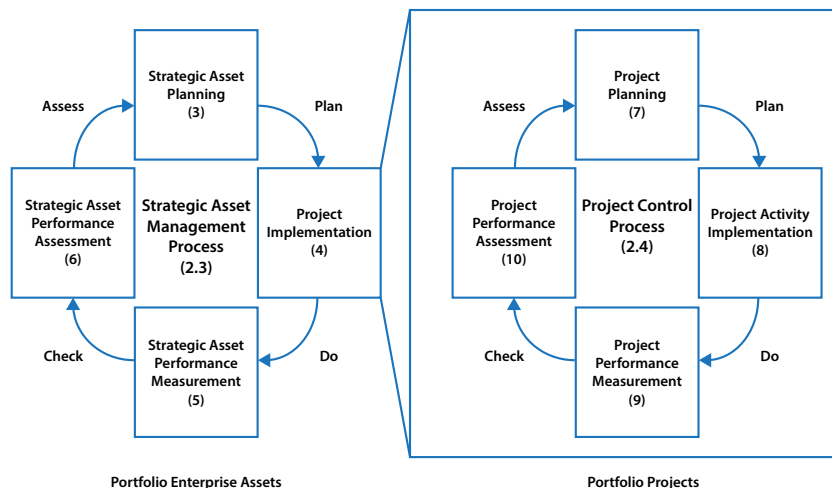
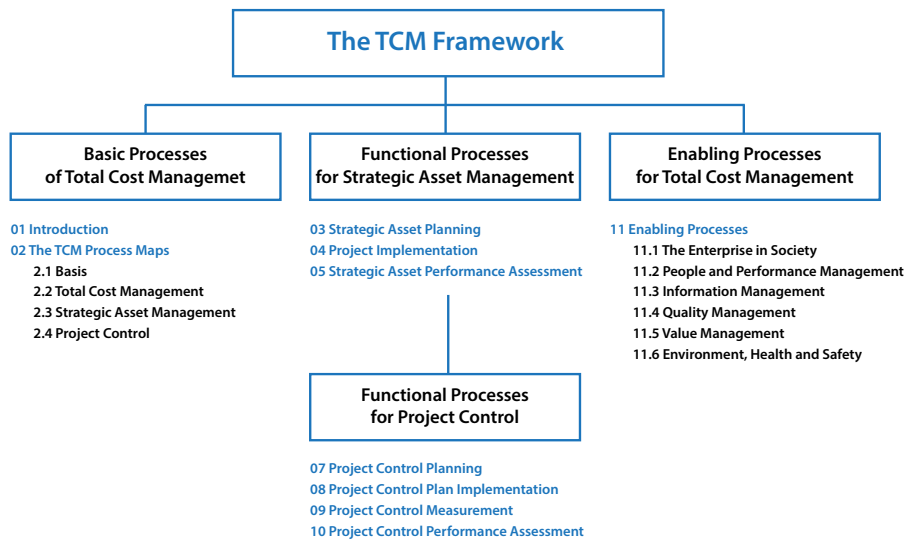


AACE International is dedicated to the tenets of furthering the concepts of Total Cost Management and Cost Engineering.

Total Cost Management is the effective application of professional and technical expertise to plan and control resources, costs, profitability and risk. Simply stated, it is a systematic approach to managing cost throughout the life cycle of any enterprise, program, facility, project, product or service. This is accomplished through the application of cost engineering and cost management principles, proven methodologies and the latest technology in support of the management process.

Total Cost Management is that area of engineering practice where engineering judgment and experience are utilized in the application of scientific principles and techniques to problems of business and program planning; cost estimating; economic and financial analysis cost engineering; program and project management; planning and scheduling; and cost and schedule performance measurement and change control. In summary, the list of practice areas...are collectively called cost engineering; while the "process" through which these practices are applied is called total cost management or TCM.

The TCM Framework & Total Cost Management Process Map



What is Certified Cost Professional (CCP) Certification?

AACE International's Certified Cost Professional (CCP) program is designed to establish credentials to recognize your professional expertise in Cost Engineering domain. This certification program gives professionals a means to validate their skills and knowledge.



The certification will distinguish you as a **Certified Cost Professional (CCP)** who has the knowledge and skills that impact the organizations profitability.

CCP is one of the most recognized certification in cost engineering and management domain globally. Since 1976, several thousand individuals those who meet a demanding set of criteria by a rigorous examination, experience,

education and ethical qualifications are certified as CCP AACE International's Certified Cost Professional certification course is an independently accredited certification by the Council of Engineering & Scientific Specialty Boards (CESB) and the International Cost Engineering Council (ICEC). CCP certification distinguishes cost and management professionals who have the knowledge and skills that impact the bottom line. AACE certification ensures a high quality.

About AACE International

AACE International is a 501(c) (3) non-profit professional educational association founded in 1956 and is the largest organization globally serving the entire spectrum of the cost and management profession.

Since 1956, AACE International has been the leading-edge professional society for cost estimators, cost engineers, schedulers project managers, and project control specialists. With over 7,000 members worldwide, AACE International is the largest organization serving the entire spectrum of cost management professionals. AACE International is industry independent and has members in 80 countries and 80 local sections.

AACE's Certifications have been a mark of distinction for over 30 years. As the industry leader, AACE's certifications provide exam and experience validation that lets employers, clients, and colleagues identify those who meet the program's competency standards. With AACE Certification, you demonstrate that you have met the highest professional standard available in the



industry.

**For more information,
log on to www.aacei.org**

About This Course

The course shall not only help you prepare for CCP certification but also provide you with comprehensive understanding of Cost Engineering knowledge areas based upon AACE International body of knowledge.

This course is based upon **Skills and Knowledge for Cost Engineering, 5th ED** and **CCC/CCE Certification Study Guide, 3rd ED** both published by *AACE International*.

This course is delivered through combination of 5 days classroom training & online flipped teaching approach for period of 6 months. This means student shall get access to 25+ hours of pre-recorded lectures, tutorials and quizzes, and additional 10+

hours of virtual classroom interacting with the trainer. The course is developed in a way that students can view pre-recorded lectures, tutorials and take quizzes at their convenience and if they need any additional assistance or doubt clarification they can interact with trainer online through a virtual classroom.

Students may also post their question on Discussion Board and trainer can respond to their queries.

The course consists following modules:

- 01 Introduction
- 02 Technical Paper Writing
- 03 Concepts Review
- 04 Cost
- 05 Cost Estimation

- 06 Planning and Scheduling
- 07 Progress and Cost Control
- 08 Project Management
- 09 Economic Analysis
- 10 Statistics Probability and Risk
- 11 Compound Questions Tutorials

Course Highlights

This intensive course is designed to quickly and efficiently give you information, skills, strategies, and techniques to lead to successful preparation for your certification exam.



40 Hours
of exam focused
Intensive Training



CCP Certified Instructors
with industry
experience



Examination practice questions,
exercises, flash cards
etc



Full support from applying for AACE
International membership
to certification exam
& re-certification



Complete guidance to
write your
CCP technical paper



Online learning portal
for the period of
6 months

Delivery Mode & Course Leader

COURSE SUMMARY



DELIVERY MODE

- **5 days Intensive Classroom Training at IPEC Training Centre, Petaling Jaya**
- **100% Online Flipped Teaching for 6 Months Upon Enrollment**

COURSE LEADER

Ashutosh Maurya has extensive construction project management in India and Middle East. He has been associated with mega multibillion dollars as part of projects core project management team. His total experience spans for more than decade, in this tenure he worked with leading contracting, consultancy and owner organization in India and Middle East.

On the education side Ashutosh Maurya holds Civil Engineering degree from Govt. Engineering College Jabalpur and Master Degree in Construction Management from Indian Institute of Technology (IIT) Delhi. He is certified Project Management Professional (PMP) from Project Management Institute (PMI) and Certified Cost Professional (CCP), Planning & Scheduling Professional (PSP) and Earned Value Professional (EVM) from Association of Advancement of Cost Engineering (AACE) International.

Ashutosh is a multidisciplinary professional. While he is construction management professional by his education and day job profile, on the other side he proficient IT professional as hobby. Ashutosh is founder, architect and developer of protrain.com.

CCP ELIGIBILITY CRITERIA

To qualify for the CCP you must have at least 8 full years of professional experience, of which up to 4 years may substituted by a college/university degree. Related degrees include: engineering, building construction, construction technology, business, economics, accounting, construction management, architecture, computer science, mathematics, etc.

Submit the application, work/education verification and fees by the due date posted on AACE International website. A minimum 2500 word technical paper must be submitted along with your application.

Certified Cost Professional (CCP) EXAM STRUCTURE & FEES



The CCC/CCE exam contains two components: the multiple choice written exam and the 2,500 word technical paper. To pass the exam you must meet the minimum overall score of 70% in order to successfully pass the exam.

01 TECHNICAL PAPER

The Certification Board recommends your technical paper topic be something with which you are already familiar, such as a project you have done at work or something in which you have acquired a great deal of expertise in your professional career. The chosen topic is not as important as your ability to communicate through your paper. Be sure to follow the recommendations described in the Certification Paper Requirements guide. If you want to know more about technical paper writing, you can watch our 40 min long lecture on technical paper writing which is available for free view on [this link](#).

02 MULTIPLE CHOICE EXAMS

Second component of the certification process is a multiple choice exam. This exam is delivered through computer based testing (CBT) and is comprised of multiple-choice and compound, scenario questions. The topics covered in the exam are: Basic Cost Engineering Skills & Knowledge, Economic Analysis, Project Management, and Cost Estimating and Control.

As such there is no percentage breakup on as to how much each knowledge area shall be covered in the exam. However, the exam contains large number of numerical problem solving questions. Numerical problem solving question cover following cost engineering topics in-depth:

1. Breakeven Analysis
2. Time Value of money and economic analysis
3. Depreciation
4. Critical Path Method
5. Earned Value Management
6. Statistics

The CBT exam contains 120 questions (maximum). The exam duration is 5 hours and all questions are mandatory. This is one sitting exam, while you can take very short break, however, the clock shall be on during the break time.

Exam is close book, this means you are not allowed to carry any books or paper, but an onscreen formula sheet is accessible during the exam, if needed. You are also permitted to bring any style of calculator, including programmable calculators, to use during the exam.

Exam fee is \$500 for AACE International members, \$625 for non-members. There is a \$200 fee for resit. All the relevant information about CCE/CCC exam is available on AACE International website on [this link](#).

Frequently Asked Questions

FAQs

About Certified Cost Professional (CCP)

01

What are the eligibility requirements of Certified Cost Professional (CCP) Certification?

In order to be eligible for CCP certification you must have 8 years industry related experience on 4 years industry related experience + 4-year industry related college degree. Related degrees include: engineering, building construction, construction technology, business, economics, accounting, construction management, architecture, computer science, mathematics, etc.

Please visit page here at AACE Website for further details. Alternatively you may visit lecture About CCE/CCC Certification. You may also refer to our detail blog on CCP certification on How can I register for the CCP Certification exam?

Please visit page here at AACE website to know about how to Register and Schedule the Exam.

About CCE/CCC Certification

01

How the exam will be conducted and what are the test center locations?

CCP Certification has two components, first, 2500 word technical paper and second, a multiple choice Computer Based Testing (CBT).About CCE/CCC Certification to know more about the exam.CBT test is conducted by AACE International's vendor, Kryterion.

About Certified Cost Professional (CCP) Review Course offered by IPEC

01

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02

What support will be provided for writing the technical paper?

All support except writing one for you! We shall provide you with detail understanding of what is expected from you in the technical paper and how to write it. Upon completion of tech paper you can send it to us for our review. However, please note that tech paper support varies based on the subscription plan you have opted for.

03

Will IPEC provide a certificate?

Yes. Upon successful completion of the course you shall receive course completion certificate.

04

Are IPEC Project Systems Sdn Bhd approved by AACE International?

Yes .IPEC is approved education provider by AACE International.Please refer to aacei.org.

05

Does IPEC instructor is certified CCP by AACEI?

Yes as part of the requirement by AACEI only instructors which hold AACE certification can deliver certified exam preparation courses.

06

Does taking this course guarantee CCE/CCC Certification?

This course shall help you understand the CCE/CCC Certification requirements, give you complete coverage on the certification knowledge areas and relevant help on writing technical paper. However, taking the course does NOT automatically grant you CCE/CCC Certification. CCE/CCC Certification is conducted by AACE International independently from us.

07

Would IPEC Project Systems Sdn Bhd offer other AACE Certification courses as PSP & EVP?

Yes we will start other AACEI certification courses in 2016.

08

What is the cost fees & starting date for CCP courses?

Please call IPEC Project Systems Sdn Bhd at 03-74935098 or email sales@ipecosystems.com.my

09

What are the career advancement opportunities for CCP certified professional?

CCP certification recognizes specialists who meet a demanding set of cost and management criteria by a rigorous examination, experience, education and ethical qualifications. The examination requirements reflects the sophistication of professionals in today's cost and management industry and fairly measures their knowledge, experience and an adherence to best management practices.

CCP certified individuals are valued and highly demanded internationally in oil & gas industry, engineering and construction industry.

RECHARGE YOUR PROFESSIONAL BATTERIES **BECOME A CERTIFIED COST PROFESSIONAL (CCP)**

About IPEC Project Systems Sdn Bhd

I P E C P R O J E C T S Y S T E M S S D N B H D

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IPEC Project Systems Sdn Bhd focuses in providing solutions that help project-intensive businesses to successfully manage their project, programmes and portfolios.

Our core business is Oracle Primavera project portfolio solutions but we also provide customized project management solutions, project accelerators and integration to various enterprise systems.

IPEC Project Systems Sdn Bhd is an AACE International Approved Education Provider (AEP). IPEC Project Systems Sdn Bhd is committed to enhancing the ongoing professional development of AACE members and other cost management professionals through appropriate learning activities and products. As an AACE AEP, IPEC Project Systems Sdn Bhd has agreed to abide by AACE-established operational and educational criteria and is subject to random audits for quality assurance purposes.

We look forward working with you as strategic solution provider. IPEC does more than selling software. Our specialty is aligning business and technology to deliver solutions that bring value across entire organization. We work with you to fully understand your business challenges and focus on strengthening your organization by focusing on your immediate needs first. We are proactive in our approach to assist our customers which enables them to improve delivery of their projects and programmes.