



International Management Research  
and Technology Consortium – LLC - USA

# CTMP CERTIFIED TECHNOLOGY MANAGEMENT PROFESSIONAL



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# CERTIFIED TECHNOLOGY MANAGEMENT PROFESSIONAL

## INTRODUCTION

There is a global demand of highly competent Technology Professionals, Managers and Head of Departments. Today, organizations are using different sort of technologies and communicating on different scenarios. Where, technology is providing superb facilitations, so it has also required far-reaching management.

In this respect, IMRTC domain Experts designed a comprehensive training certification, which can provide facilitation to the professionals and also provide the structure to maintain and manage the technology in the organization. Therefore, with the consultation of senior executives and professional, and trainers have come up with a comprehensive certification program. **THE CERTIFIED TECHNOLOGY MANAGEMENT PROFESSIONAL (CTMP)**

## ABOUT CTMP

CTMP prepares an information technology generalist who will be able to help the organizations to not only formulate strategic information technology plans but also guide its implementation to operational level.

The **Certified Technology Management Professional** will serve as the key person to formulate the IT mission and vision, goals and objectives, strategies and actions in line with the corporate mission and vision and will be able to steer the organization smoothly through the transformation and transition processes due to dynamically changing technological environments cost effectively.

The certification will ensure that the individuals are fully aware of and follow the Professional Code of Conduct, are well equipped with the knowledge and understanding of global IT industry and its directions, understand business process development & re-engineering, business intelligence and data analysis, Information security systems and electronic equipment integration with information systems, , change management, IT portfolio and project management, financial budgeting for technology management, global IT management and service management through technology and more. The program follows a systematic learning format with standards and guidelines, audio-visual aids, case studies with real time applications.



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# CERTIFIED TECHNOLOGY MANAGEMENT PROFESSIONAL



## AUDIENCE

The certification is most suitable for technology or information technology managers, executives, professionals, consultants, etc. they are eligible to join this program.

## THE CREDENTIALS

The Candidates who are looking to have this certification need a proper training of 40 Professional Training Hours (PTH) from any recognized institute and approved professional trainers of IMRTC. The program also required a self-develop project that depends on real cases and complete problems and issues shall be encountered in this project. The project is required in soft form and submitted to our concerned training partners or chapters for assessment and after approval, the candidate can sit in the final examination of IMRTC. After passing the certification examination, the candidates can use the credentials CERTIFIED TECHNOLOGY MANAGEMENT PROFESSIONAL- CTMP with their names.

## PRE-REQUISITE:

- 2 Years Bachelor's degree (Baccalaureate, Associate's degree, or the global equivalent)
- 2 years of professional experience in information technology-related fields for example business intelligence, business analysis, software requirement engineering, software quality assurance, systems engineering, IT risk and security, IT audit, IT sourcing, IT information architecture, etc.
- Basic knowledge of technology infrastructure and management principles.

A grayscale image of a city skyline, featuring several tall buildings and skyscrapers, serving as a background for the 'JOIN NOW' button.

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# **CERTIFIED TECHNOLOGY MANAGEMENT PROFESSIONAL**

## **PROFESSIONAL BENEFITS OF PROGRAM**

### **For Individuals**

- Career advancement into technology leadership roles.
- Improved understanding of how to align technology with business goals.
- Recognition as a certified expert in technology management.

### **For Organizations**

- Assurance of certified professionals with industry-recognized skills.
- Strengthened technology strategy and management capabilities.
- Enhanced ability to adopt and integrate emerging technologies effectively.

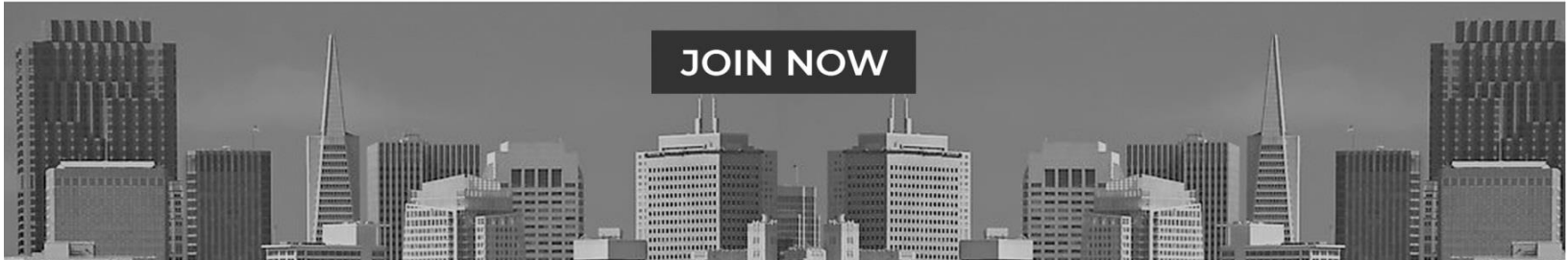


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# PROGRAM STRUCTURE

Total Domains	10
Lectures	Lectures can be delivered through partners and trainers
Accredited Trainers	Can Deliver the lectures
One Credit Hour	10 Learning Hours
Total Credits Required	4 Credit Hours
Registration Process	Register through our partners / Trainer
Assessment	Online / Paper based
Passing Criteria	70 percent



## PROGRESSION OF THE PROGRAM

Total Credentials	=	4 Credit Hours
One Credit Hour	=	10 Learning hours
Final Assessment	=	Online or physical assessment shall be taken by IMRTC Examination Department

## AWARDING OF CTMP CERTIFICATION

After getting 70 percent marks from the examination, the candidate will be awarded the CTMP Certification from IMRTC USA.



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# COURSE CONTENTS

Certified Technology Management Professionals cover theory, process, and professional practices for technology management

**DOMAIN 1:** PROFESSIONAL CODE OF CONDUCT IN TECHNOLOGY MANAGEMENT

**DOMAIN 2:** RECRUITMENT, SELECTION & RETENTION OF PROFESSIONALS

**DOMAIN 3:** INFORMATION TECHNOLOGY MANAGEMENT & STRATEGY

**DOMAIN 4:** MODERNIZATION OF ORGANIZATION & PLANNING

**DOMAIN 5:** PORTFOLIO & PROJECT MANAGEMENT

**DOMAIN 6:** FINANCIAL BUDGETING FOR TECHNOLOGY MANAGEMENT

**DOMAIN 7:** INFORMATION SECURITY SYSTEMS IN TECHNOLOGY MANAGEMENT

**DOMAIN 8:** ARTIFICIAL INTELLIGENCE & DATA SCIENCE

**DOMAIN 9:** GLOBAL INFORMATION SECURITY MANAGEMENT

**DOMAIN 10:** SERVICE MANAGEMENT THROUGH TECHNOLOGY



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## DOMAINS AND TASKS

In this document, you will find an updated structure for the IMRTC Standard Examination Content. Based on Experience Consultants and stakeholders, we have devised and simplified the format so that the IMRTC Examination System can be easier to understand and interpret.

The domain and task are well-defined on the following pages:

**Domain:** Defined as the high-level knowledge area that is essential to the practice of CTMP.

**Tasks:** The underlying responsibilities of the Technology Consultants within each domain area.

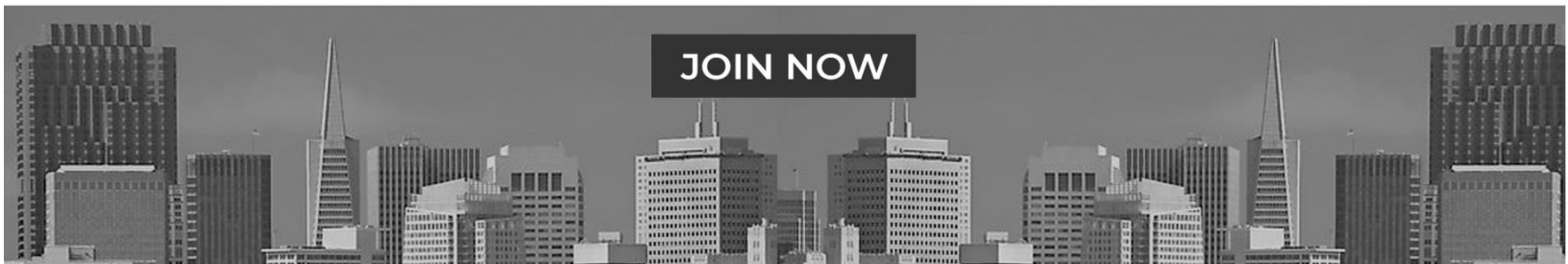
CTMP Course examination will include all tasks for a domain and will adhere to the percentage of coverage at the domain level as outlined in the further pages.

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# KNOWLEDGE AREAS

Domain 1: PROFESSIONAL CODE OF CONDUCT IN TECHNOLOGY MANAGEMENT	
<b>Task 1</b>	Applied Professional Code of Conduct Ethical Responsibilities Core Endemic values in professional world
<b>Task 2</b>	Ethics in Technology, Businesses Management & Law Failures for selection of wrong frameworks in organization
<b>Task 3</b>	Intellectual property rights, government regulations, privacy, information security and cybercrime



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## KNOWLEDGE AREAS

Domain 2: RECRUITMENT, SELECTION & RETENTIONS OF PROFESSIONALS	
<b>Task 1</b>	Policies with relates to hiring of Technology Professionals
<b>Task 2</b>	Strategic Organogram for Technical Skilled Professionals
<b>Task 3</b>	Retention of Technology Professional Promotional Policies
<b>Task 4</b>	Career Plans for technical Staff Job Description according to strategy
<b>Task 4</b>	Separate Appraisal Systems for technologists
<b>Task 5</b>	Setting of Key Performance Indicators Physical and Electronic Security Awareness



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## KNOWLEDGE AREAS

Domain 3: INFORMATION TECHNOLOGY MANAGEMENT & STRATEGY	
<b>Task 1</b>	Introduction to Managing Technology Selection of Appropriate Hardware & software
<b>Task 2</b>	Managing Datacenters Managing Power Systems Selection of Software, ERPs and CRMs
<b>Task 3</b>	Managing Operating System & Policies SDLC with respect to Methodology, Technology and its Management Managing Applications, Requirements and its Policies
<b>Task 4</b>	Managing Change in uncovered requirements in Applications or infrastructure Managing & Defining business rules Managing Documentations & Tools
<b>Task 5</b>	Translating business rules and requirements into technical requirements
<b>Task 6</b>	Managing Storage Managing Web Applications Managing Cloud Applications
<b>Task 7</b>	Managing Networks and Policies Managing Remote Users and Servers Managing Intranet, Extranets Managing Disasters in Technology & Impact on Businesses



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## KNOWLEDGE AREAS

Domain 4: MODERNIZATION OF ORGANIZATION & PLANNING	
<b>Task 1</b>	Developing Future Strategies regarding Technology Technology Enhancement with respect to Business Plans
<b>Task 2</b>	Data Management & Custodians Other Electronic Systems Integration & Monitoring
<b>Task 3</b>	Access Control Systems Integration of Business Modules & Policy Making
<b>Task 4</b>	New Goals of Organization & Resource Management of Technology Short & Long terms Plans with respect to Technology Business Process Re-engineering techniques & its Management



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## KNOWLEDGE AREAS

Domain 5: PORTFOLIO & PROJECT MANAGEMENT	
<b>Task 1</b>	Introduction to Portfolio, Program & Project Management
<b>Task 2</b>	Life Cycle Management in Technology Organization's Goals and its Project Planning
<b>Task 3</b>	Project Execution, Monitoring & Implementation with respect to Technology Project Procurements and Justifications

Domain 6: FINANCIAL BUDGETING FOR TECHNOLOGY MANAGEMENT	
<b>Task 1</b>	Developing Budgets according to Projects & Business Goals Usage of Project Costing Methods
<b>Task 2</b>	Financial Management of Projects Financial Requirements according to Projects Developing Processes for the usage of Budgets
<b>Task 3</b>	Financial Audits with respect to Projects Systematic Closing Structures of Project and Its financial implications

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## KNOWLEDGE AREAS

### Domain 7: : INFORMATION SECURITY SYSTEMS IN TECHNOLOGY MANAGEMENT

<b>Task 1</b>	<p>Developing Information Security Policies for Technical Infrastructure</p> <p>Defining Roles and Duties concerning Infrastructure</p>
<b>Task 2</b>	<p>Implementing Information Security Systems according to recent guidelines and standards</p>
<b>Task 3</b>	<p>Information Security Systems in Physical Access</p> <p>Information Security Systems in Logical Access</p> <p>Information Security Systems in Environmental</p> <p>Information Security Systems in Networks</p> <p>Knowing of Threats, vulnerabilities, and Cyber Crimes through technology</p> <p>Knowing of Forensics of Technologies using in Organizations</p>



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## KNOWLEDGE AREAS

Domain 8: ARTIFICIAL INTELLIGENCE & DATA SCIENCE	
<b>Task 1</b>	Introduction to Artificial Intelligence Introduction to Data Science
<b>Task 2</b>	Usage of AI & Data Science in organizations Using of Business Intelligence in Competitive Intelligence in Organizations
<b>Task 3</b>	Customer Relationship Management Data warehousing Data-Marts
<b>Task 4</b>	Modeling Techniques Usage of AI Tools in the organization Prompt Engineering with AI and BI



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# KNOWLEDGE AREAS

Domain 9: : GLOBAL INFORMATION SECURITY MANAGEMENT	
Task 1	Global Organizational issues of Information Security
Task 2	Impact of Globalization & Internationalization
Task 3	Organizational Cultures & Issues
Task 4	Cyber Crime Laws & Issues
Task 5	Technological Architecture, Strategy, Frameworks, Standards, and Controls Managing International Legal Issues



## KNOWLEDGE AREAS

Domain 10: BASIC SERVICE MANAGEMENT THROUGH TECHNOLOGY	
<b>Task 1</b>	<p>Concept of Service Management in the organization</p> <p>Managing Mission, Vision &amp; Goals of the organization through Service Management</p>
<b>Task 2</b>	<p>Managing Services, Portfolios and Catalogs</p> <p>How Technology as Service</p> <p>Integration of technology and services</p>
<b>Task 3</b>	<p>Handling Issues, problems and SOPs with regard to Services through technology</p> <p>Using Standard &amp; Guidelines through Service Management Techniques</p>



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## ASSESSMENT OF PROGRAM (ONLINE/PHYSICAL)

- The exam paper will be online/physical as per the choice of the candidate, but it is preferable to give the exam online.
- The exam paper will cover the above topics domain-wise.
- The Passing marks will be 70%.
- Internal Marks can be adjusted in the final marks through accredited trainers by obtaining prior permission from our Examination Department of IMRTC.
- Those candidates who cannot be able to give online tests due to online facility. So they are allowed paper-based examinations. Otherwise, the partner must arrange the center for the online exam as per the guidelines of the Examination Department
- Assessment will be done according to the domains and tasks mentioned above through our online methodology

## EVALUATION AND GRADING

- The student will be examined through exams conducted by IMRTC LLC USA. Total marks for passing the CERTIFICATION/DIPLOMA will be 70 out of 100.

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## CTMP ELIGIBILITY REQUIREMENTS

To be eligible for the Certified Technology Management Professional for any level, the candidates must have a 2-year Bachelor's degree pass or equivalent with no experience. The candidate should have to submit the credentials

<b>Educational Background</b>	<b>Accredited Training</b>
2 Bachelor degree Passed or Equivalent (Baccalaureate, Associate Degree or Global Equivalent)	4 PTH Training must be earned from any accredited trainer or any partner institute
<b>Professional Experience</b>	<b>Certification/Diploma</b>
2 years of Professional Experience Required	After completing all the formalities and passing the test, will get the certification or diploma

## REGISTRATION AND PAYMENT PROCESS

### REGISTRATION PROCESS

Registration of the program is to be completed through our registered partners and if the partners are not available in your city or country then you can download this registration form and submit the fee in our bank account directly and wait for the email or contact from our Registration or Examination Department. For further information to our examination department contact at [registration@imrtc.org](mailto:registration@imrtc.org).



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# **IMRTC EXAMINATION SYSTEM**

## **CERTIFIED TECHNOLOGY MANAGEMENT PROFESSIONAL**

### **PARTNER INSTITUTE INTERNAL EXAMINATION SYSTEM**

The concerned partner/institute/trainer will take examinations online and submit to the International Management Research and Technology Consortium Examination Department.

### **IMRTC ONLINE EXAM SYSTEM**

IMRTC will provide access to all partners to schedule the exams of the particular courses of any individual candidates. Therefore, according to the availability, the partner institutes will schedule the exam of individual candidates' subjects or courses/certifications.



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## FEES STRUCTURE

### CERTIFIED TECHNOLOGY MANAGEMENT PROFESSIONAL

S. No	Description	Fees
1.	Membership Fee	USD 50
2.	Examination Fee For Members	USD 460
3.	Examination Fee For Non Members	USD 660



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# PROCESS OF CERTIFICATION



To get the certification, 40-Professional training hours as PTH is mandatory from any concerned professional trainer or Partner, and participants should have to submit their training PTH with the Examination Application Form with the attachments of required qualifications and other experience certificates/letters. The Paper is based on 100 Questions with MCQs and 70% passing marks is required to pass the exam. Further, if the Project is also included in your exam, marks will be distributed according to course & certification.

## TERMS & CONDITIONS RELATED TO EXAMINATION AND CERTIFICATION

- The 40-Training-hours as PTH are valid up to one year.
- If the candidate is failed in the examination then S/he has one more chance to attempt the paper within a year, and if the candidate cannot pass, then they have to pay the examination fee and re-appear in the examination.
- If the candidate has not passed the examination within one year and after sometime S/he would like to appear in the examination then candidate must to resubmit 40-Professional-Training-hours as PTH again required to appear in the examination.
- The examination system is online and candidate can book the exam anytime according to his or her availability.
- Those countries, who do not have the facility of online examination facility then they can give the paper based examination, which can be sent to authorized partner / trainers / examiner. The assessment time will be a month and we will be sent the results to concerned partner.
- The candidate will get the certificate within one month and administration will sent to the concerned partners.
- To maintain the worth and eligibility in the market, the candidate must have to renew their membership on yearly basis.



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## EXAM CONTENT PERCENTAGE

The table below prescribes the proportions of examination questions from each section or Knowledge Areas defined above. The exam will be based on multiple choice questions, fill in the blanks and letter writing.

CONTENT	DOMAIN WISE PERCENTAGE
DOMAIN I	5%
DOMAIN II	10%
DOMAIN III	15%
DOMAIN IV	15%
DOMAIN V	10%
DOMAIN VI	7%
DOMAIN VII	12%
DOMAIN VIII	13%
DOMAIN IX	5%
DOMAIN X	8%



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## CONTACT DETAILS

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