International Management Research
and Technology Consortium – LLC - USA

CTMP
CERTIFIED TECHNOLOGY MANAGEMENT PROFESSIONAL

🌐 www.imrtc.org

✉ consortium@imrtc.org

Bridging The Gap Between
Academia and The Industry
Worldwide!

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CTMP – CERTIFIED TECHNOLOGY MANAGEMENT PROFESSIONAL

Introduction:

There is a global demand for highly professional competent Technology Professionals, Managers and Head of Departments. Unfortunately, there is no recognized institute that offers a comprehensive training & globally recognized certification in this area. IMRTC after recognizing the need and in consultation with senior executives and professional 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.

The Audience:

The candidate should have to be involved in the field of Information technology would eligible to join this program.

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The Credentials:

The Candidates who are looking to have this certification need a proper training of 32 Professional Training Hours (PTH) from any recognized institute and approved professional trainers of IMRTC. The program also required a self-develop project on any case study which is provided by accredited training institute or trainer. The project 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 CTMP after their name.

Pre-Requisite:

- Secondary degree (high school diploma, associate's degree or the global equivalent)
- 3 years of professional experience in information technology related field for example business intelligence, business analysis, software requirement engineering, software quality assurance, systems engineering, IT risk and security, IT audit, IT sourcing, IT information architect, etc.

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CTMP - Certified Technology Management Professional

Program Content:

DOMAIN 1: PROFESSIONAL CODE OF CONDUCT IN TECHNOLOGY MANAGEMENT

- Applied Professional Code of Conduct
- Ethical Responsibilities
- Core Endemic values in professional world
- Ethics in Technology, Businesses Management & Law
- Failures for selection of wrong frameworks in organization
- Intellectual property rights, government regulations, privacy, information
- security and cybercrime

DOMAIN 2: RECRUITMENT, SELECTION & RETENTIONS OF PROFESSIONALS

- Policies with relates to hiring of Technology Professionals
- Strategic Organogram for Technical Skilled Professionals
- Retention of Technology Professional
- Promotional Policies
- Career Plans for technical Staff
- Job Description according to strategy
- Separate Appraisal Systems for technologists
- Setting of Key Performance Indicators
- Physical and Electronic Security Awareness

DOMAIN 3: INFORMATION TECHNOLOGY MANAGEMENT & STRATEGY

- Introduction to Managing Technology
- Selection of Appropriate Hardware & software
- Managing Datacenters
- Managing Power Systems
- Selection of Software, ERPs and CRMs
- Managing Operating System & Policies
- SDLC with respect to Methodology, Technology and its Management
- Managing Applications, Requirements and its Policies
- Managing Change in uncovered requirements in Applications or infrastructure
- Managing & Defining business rules
- Managing Documentations & Tools
- Translating business rules and requirements into technical requirements
- Managing Storage
- Managing Web Applications
- Managing Cloud Applications
- Managing Networks and Policies
- Managing Remote Users and Servers
- Managing Intranet, Extranets
- Managing Disasters in Technology & Impact on Businesses

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CTMP - Certified Technology Management Professional

Program Content:

DOMAIN 4: MODERNIZATION OF ORGANIZATION & PLANNING

- Developing Future Strategies regarding Technology
- Technology Enhancement with respect to Business Plans
- Data Management & Custodians
- Other Electronic Systems Integration & Monitoring
- Access Control Systems
- Integration of Business Modules & Policy Making
- New Goals of Organization & Resource Management of Technology
- Short & Long terms Plans with respect to Technology
- Business Process Re-engineering techniques & its Management

DOMAIN 5: PORTFOLIO & PROJECT MANAGEMENT

- Introduction to Portfolio, Program & Project Management
- Life Cycle Management in Technology
- Organization's Goals and its Project Planning
- Project Execution, Monitoring & Implementation with respect to Technology
- Project Procurements and Justifications

DOMAIN 6: FINANCIAL BUDGETING FOR TECHNOLOGY MANAGEMENT

- Developing Budgets according to Projects & Business Goals
- Usage of Project Costing Methods
- Financial Management of Projects
- Financial Requirements according to Projects
- Developing Processes for the usage of Budgets
- Financial Audits with respect to Projects
- Systematic Closing Structures of Project and Its financial implications

DOMAIN 7: INFORMATION SECURITY SYSTEMS IN TECHNOLOGY MANAGEMENT

- Developing Information Security Policies for Technical Infrastructure
- Defining Roles and Duties with respect to Infrastructure
- Implementing Information Security Systems according to recent guidelines and standards
- Information Security Systems in Physical Access
- Information Security Systems in Logical Access

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Program Content:

- Information Security Systems in Environmental
- Information Security Systems in Networks
- Knowing of Threats, vulnerabilities, and Cyber Crimes through technology Knowing of Forensics of Technologies using in Organizations

DOMAIN 8: ARTIFICIAL INTELLIGENCE & DATA SCIENCE

- Introduction to Artificial Intelligence
- Introduction to Data Science
- Usage of AI & Data Science in organizations
- Using of Business Intelligence in Competitive Intelligence in Organizations
- Customer Relationship Management
- Data warehousing
- Data-Marts
- Modeling Techniques
- Usage of AI Tools in the organization
- Prompt Engineering with AI and BI

DOMAIN 9: GLOBAL INFORMATION SECURITY MANAGEMENT

- Global Organizational issues of Information Security
- Impact of Globalization & Internationalization
- Organizational Cultures & Issues
- Cyber Crime Laws & Issues

- Technological Architecture, Strategy, Frameworks, Standards, and Controls Managing International Legal Issues

DOMAIN 10: SERVICE MANAGEMENT THROUGH TECHNOLOGY

- Concept of Service Management in the organization
- Managing Mission, Vision & Goals of the organization through Service Management
- Managing Services, Portfolios and Catalogs
- How Technology as Service
- Integration of technology and services
- Handling Issues, problems and SOPs with regard to Services through technology
- Using Standard & Guidelines through Service Management Techniques

PROCESS OF CERTIFICATION

To give the certification, 32-Professional Training-hours as PTH is mandatory required from any concern professional trainer or Partner and participants should have to submit their credentials with the Examination Application Form with the attachments of bachelor degree and other experience certificates. The Paper is based on 150 Question with MCQs and 70% passing marks is required to pass the exam. Further, if the Project is also included in your exam, then marks will be distributed according to course & certification.

TERMS & CONDITIONS RELATED TO EXAMINATION AND CERTIFICATION

- The 32-Training-hours as PTH are valid up to three year.
- If the candidate is failed in the examination then S/he has one more chance to attempt the paper within one year, and if you have not passed the exam then you 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 submit 32-Training-hours as PTH again required to appear in the examination.
- The examination system is online and candidate can book anytime the exam according to his or her availability.
- Those countries, who would 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 partner.
- The candidate will get the certificate after one month and administration will courier to your defined partners or your address accordingly.
- 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%

Examination System

The Examinations will be held anytime in a year due to Online Examination system and provided to us accredit partners a testing center by each country chapter; in case chapter is not available in a particular country then candidates can directly approach IMRTC USA examination body through email: examination@imrtc.org and they will be advised accordingly. The passing criteria shall be 70% of Whole Exam.

IMRTC – USA - Principal Office:

LLC L24000411080

P. O. Box 409, 9300 Conroy Windermere, Windermere, FL-34786, USA

United States of America.

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