

# Postgraduate Certificate

PMP®, CAPM®, PMI® and Emerging  
Trends in Technology Project  
Management





## Postgraduate Certificate PMP®, CAPM®, PMI® and Emerging Trends in Technology Project Management

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/information-technology/postgraduate-certificate/pmp-capm-pmi-emerging-trends-technology-project-management](http://www.techtute.com/us/information-technology/postgraduate-certificate/pmp-capm-pmi-emerging-trends-technology-project-management)

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# 01

# Introduction

In the coming years, project management specialization is expected to grow in importance and become a prerequisite for IT professionals. Therefore, having the certifications that accredit these skills should become the top priority for professionals. With this qualification, students will be able to learn about the exam entry requirements and perform an analysis of their professional experience in order to qualify for the exam. They will also learn how to apply an agile methodology to their technological project, which will help them to shape it according to the circumstances.





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*Gain practical knowledge to understand how to apply for the PMP exam”*

For any professional, having the appropriate certifications will always be a means to maximize their chances when it comes to opting for a job improvement, as well as to hold a management position in an important project. Therefore, this Postgraduate Certificate will provide students with the tools they need to access the Project Manager exam, also known as PMP.

They will also have the opportunity to learn about the requirements for the CAPM test, which will demonstrate students' understanding of project management terminology and processes. This way, the faculty will provide the necessary tools to perform an analysis of the student's experience by means of a report template, explaining also how to perform such a report by means of PMI software.

With the knowledge provided in the program, the student will be able to make accurate, fast and effective decisions, which will be supported by a series of concrete data on the reality of the job.

The **Postgraduate Certificate in PMP®, CAPM®, PMI® and Emerging Trends in Technology Project Management** contains the most complete and up-to-date educational program on the market. The most important features include:

- ◆ The development of case studies presented by experts in Technology Project Management
- ◆ The graphic, schematic and practical contents of the system provide business and practical information on those disciplines that are essential for professional practice
- ◆ Practical exercises where self-assessment can be used to improve learning
- ◆ Its special emphasis on innovative methodologies
- ◆ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



*The PMP certification is an essential qualification for any professional who aspires to carry out Technology Projects at an international level"*

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*If you want to know how many questions the PMP certification has, this Postgraduate Certificate is for you"*

The program's teaching staff includes professionals from the sector who contribute their work experience to this training program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive training programmed to train in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

*Learn about the process to become an aspiring Project Manager.*

*Start your preparation to become a professional Project Manager thanks to this program.*



# 02 Objectives

With this Postgraduate Certificate, students will be receiving all the knowledge they need to face the evaluations of the different business certifications that will accredit them as professionals capable of managing and leading any project in the technology department of a company. Therefore, after the completion of this program, they will know all the aspects that influence a professional to be certified as a Project Manager and access relevant positions in the sector.







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*The PMP, CAPM and PMI certifications are designed to demonstrate the leadership and management skills of computer scientists in large technology projects”*



## General Objectives

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- ◆ Develop skills and abilities required to make decisions in all types of projects, especially in technological projects and those developed in multidisciplinary contexts and environments
- ◆ Acquire the ability to analyze and diagnose business and management problems.
- ◆ Master advanced business management tools
- ◆ Provide a global and strategic vision of all operational departments of the company
- ◆ Take responsibility and think in a transversal and integrative way to analyze and solve situations in uncertain environments
- ◆ Develop Technology Projects incorporation reports
- ◆ Carry out a comprehensive control of all projects
- ◆ Knowing how to estimate time in each process of project design and development
- ◆ Evaluate the processes and estimate the cost of developing a technology project
- ◆ Give importance to the quality of the projects
- ◆ Understanding the cost of failing to meet project quality
- ◆ Perform quality controls at each stage of the project
- ◆ Gain skills and techniques to manage human resources and be able to resolve conflicts in the team
- ◆ Knowing the emerging trends in the market
- ◆ Develop communication skills that favor project management
- ◆ Understand and manage the risks of technology projects





## Specific Objectives

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- ◆ Know what PMP®, CAPM® and PMI® are
- ◆ Identify the advantages and benefits of obtaining PMP® and CAPM® certification
- ◆ Report on professional experience to PMI®



*With agile methodologies, you will be able to create and manage high performance, innovation oriented teams in the technology department"*



# 03

## Course Management

A group of experts who have gained experience in the sector by managing different projects participate in this Postgraduate Certificate, therefore, they are well versed in the questions and the structure of the PMP certification exam. Thanks to this, students will be able to prepare for the test and attain the best score. This will represent a great improvement opportunity for those who wish to test their skills and capabilities in a technology team.



“

*Take a detailed look at the PMP test requirements with this excellent teaching chart"*

## Management



### Dr. Romero Mariño, Brunil Dalila

- ♦ Database Administrator, OCREM Association, Granada, Spain
- ♦ Software Projects and Technology Architecture Consultant for different companies, Venezuela
- ♦ University Professor of Computer Science. Department of Processes and Systems, Simón Bolívar University (USB), Venezuela
- ♦ Researcher in Software Engineering and related areas, Department of Processes and Systems, Simón Bolívar University (USB), Venezuela
- ♦ Systems Engineer from Bicentenario de Aragua University (UBA), Venezuela
- ♦ Doctorate in Information and Communication Technologies from the University of Granada (UGR), Spain
- ♦ Master's Degree in Systems Engineering, Simón Bolívar University (USB), Venezuela
- ♦ Expert in Communications and Data Communication Networks, Central University of Venezuela (UCV)



# 04

## Structure and Content

This program will present an in depth analysis of the different certifications that will guarantee that the student has full knowledge and experience in project management. Each of them has advantages and benefits that can help improve the professional profile of IT professionals. Special emphasis will also be placed on the implementation and development of agile methodologies, which allow the conditions of a project to be flexible according to the circumstances.





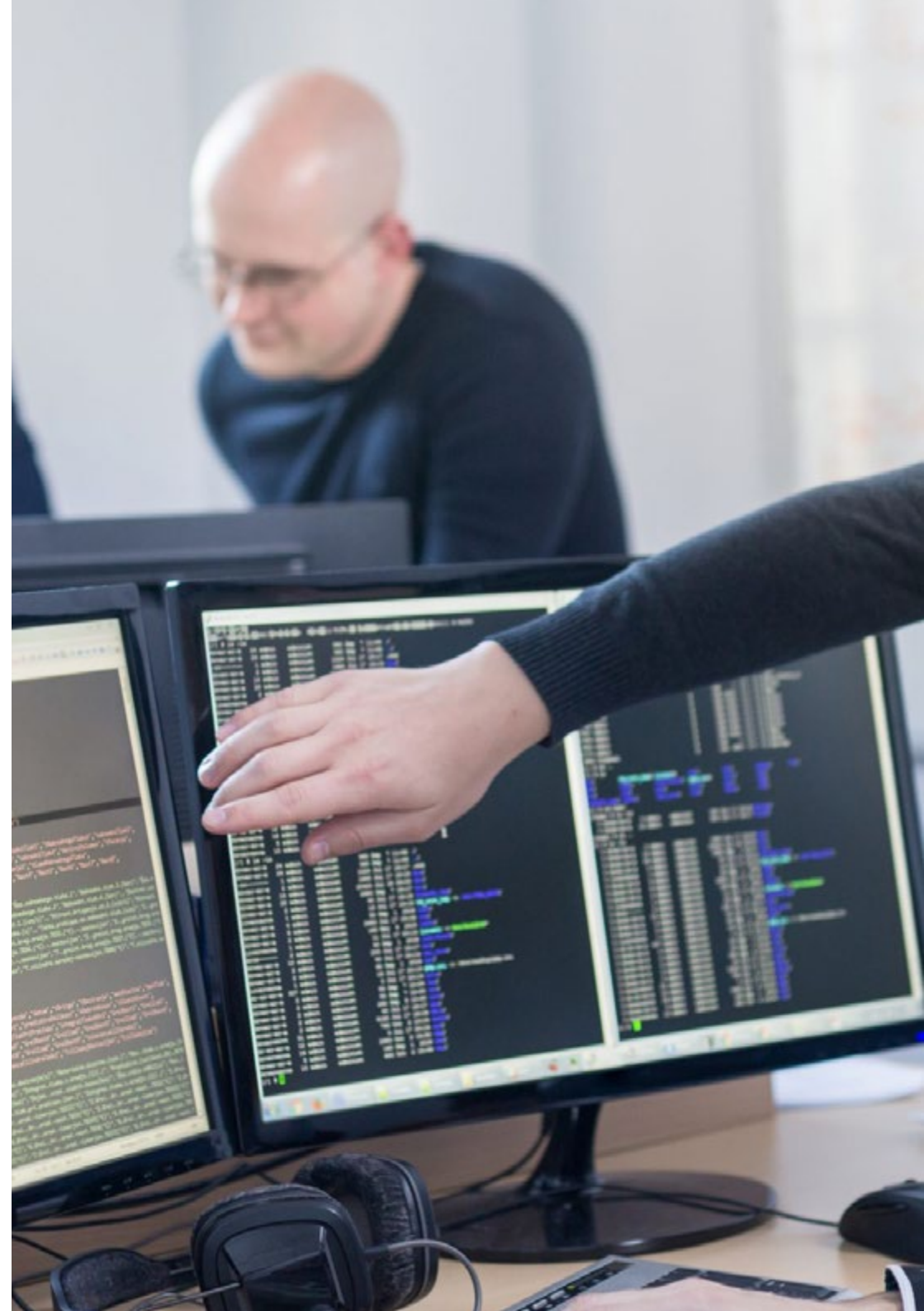


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*Thanks to the PMP certification,  
you will be able to demonstrate  
your ability to manage projects"*

## Module 1. PMP® or CAPM® Certification and Code of Ethics. Emerging Trends and Practices in Technology Project Management and Leadership

- 1.1. What Is PMP®, CAPM® and PMI®?
  - 1.1.1. What Is PMP®?
  - 1.1.2. CAPM®
  - 1.1.3. PMI®
  - 1.1.4. PMBOK
- 1.2. Advantages and Benefits of Obtaining PMP® and CAPM® Certification
  - 1.2.1. Techniques and Tricks to Pass the PMP® and CAPM® Certification Exams on the First Attempt
  - 1.2.2. PMI-isms
- 1.3. Professional Experience Report to PMI® (Project Management Institute)
  - 1.3.1. Becoming a PMI Member
  - 1.3.2. PMP® and CAPM® Certification Exam Entry Requirements
  - 1.3.3. Analysis of the Student's Professional Experience
  - 1.3.4. Student Work Experience Report Help Template
  - 1.3.5. PMI® Software Experience Report
- 1.4. PMP® or CAPM® Certification Examination
  - 1.4.1. What is the PMP® or CAPM® Certification Exam Like?
  - 1.4.2. Number of Scoring and Non-scoring Questions
  - 1.4.3. Duration of the Exam
  - 1.4.4. Passing Threshold
  - 1.4.5. Number of Questions per Process Group
  - 1.4.6. Qualification Methodology
- 1.5. Agile Methodologies
  - 1.5.1. AGILE
  - 1.5.2. Scrum
  - 1.5.3. Kanban
  - 1.5.4. LEAN
  - 1.5.5. Comparison with PMI® Certifications





- 1.6. Software Development in Agile Methodologies
  - 1.6.1. Analysis of the Different Software on the Market
  - 1.6.2. Advantages and Benefits
- 1.7. Advantages and Limitations of Implementing Agile Methodologies in your technology projects
  - 1.7.1. Advantages
  - 1.7.2. Limitations
  - 1.7.3. Agile Methodologies vs. Traditional Tools
- 1.8. Code of Ethics in the Management of your Projects
  - 1.8.1. Responsibility
  - 1.8.2. Respect
  - 1.8.3. Impartiality
  - 1.8.4. Honesty



*Learn about the requirements to take the PMP® or CAPM® certification exam"*

# 05 Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.



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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## Case Study to contextualize all content

Our program offers a revolutionary approach to developing skills and knowledge. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

“

*At TECH, you will experience a learning methodology that is shaking the foundations of traditional universities around the world”*



*You will have access to a learning system based on repetition, with natural and progressive teaching throughout the entire syllabus.*



### A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and professional reality is taken into account.

“*Our program prepares you to face new challenges in uncertain environments and achieve success in your career”*

*The student will learn to solve complex situations in real business environments through collaborative activities and real cases.*

The case method has been the most widely used learning system among the world's leading Information Technology schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question that you are presented with in the case method, an action-oriented learning method. Throughout the course, students will be presented with multiple real cases. They will have to combine all their knowledge and research, and argue and defend their ideas and decisions.

## Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

*In 2019, we obtained the best learning results of all online universities in the world.*

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our university is the only one in the world authorized to employ this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.





In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

This methodology has trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, and financial markets and instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

*Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.*

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.



This program offers the best educational material, prepared with professionals in mind:



### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



### Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



### Practising Skills and Abilities

They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





#### Case Studies

Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best specialists in the world.



#### Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



# 06 Certificate

The Postgraduate Certificate in PMP®, CAPM®, PMI® and Emerging Trends in Technology Project Management guarantees students, in addition to the most rigorous and up to date education, access to a Postgraduate Certificate issued by TECH Technological University.



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*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”*

This **Postgraduate Certificate in PMP®, CAPM®, PMI® and Emerging Trends in Technology Project Management** contains the most complete and up to date program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the **Postgraduate Certificate**, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

**Title: Postgraduate Certificate in PMP®, CAPM®, PMI® and Emerging Trends in Technology Project Management**

**Official N° of hours: 150 h.**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.



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- » Modality: online
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- » Schedule: at your own pace
- » Exams: online

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