

# Postgraduate Certificate Requirement Management in Predictive Projects



## Postgraduate Certificate Requirement Management in Predictive Projects

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online
- » Target Group: IT professionals who want to specialize in project management with predictive methodologies

Website: [www.techtitude.com/pk/school-of-business/postgraduate-certificate/requirement-management-predictive-projects](http://www.techtitude.com/pk/school-of-business/postgraduate-certificate/requirement-management-predictive-projects)

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# 01 Welcome

Determining requirements is the largest initial management burden in any predictive project. In order to manage the project for effective closure, you need to know from the beginning of project management what the stakeholders want and what the business needs, which makes project management complicated because they are difficult to agree upon and because they can change often. It must be taken into account that predictive projects require knowledge, tools and techniques to gather requirements, model them, agree them with stakeholders and finally validate them against project results. In this sense, the figure of the business analyst who puts himself in the place of the business stakeholders to model their needs, monitor that the project brings them the expected value and meet or exceed their expectations, is increasingly necessary. Therefore, the higher qualification of these professionals with programs such as this one will be a plus for the success of the project.



Postgraduate Certificate in Requirement Management in Predictive Projects  
TECH Technological University

“

*Learn how to determine the requirements of a project and be able to achieve the objectives programmed by the stakeholders"*

02

# Why Study at TECH?

TECH is the world's largest 100% online business school. It is an elite business school, with a model based on the highest academic standards. A world-class centre for intensive managerial skills training.



“

*TECH is a university at the forefront of technology, and puts all its resources at the student's disposal to help them achieve entrepreneurial success"*

## At TECH Technological University



### Innovation

The university offers an online learning model that combines the latest educational technology with the most rigorous teaching methods. A unique method with the highest international recognition that will provide students with the keys to develop in a rapidly-evolving world, where innovation must be every entrepreneur's focus.

"Microsoft Europe Success Story", for integrating the innovative, interactive multi-video system.



### The Highest Standards

Admissions criteria at TECH are not economic. Students don't need to make a large investment to study at this university. However, in order to obtain a qualification from TECH, the student's intelligence and ability will be tested to their limits. The institution's academic standards are exceptionally high...

**95%** | of TECH students successfully complete their studies



### Networking

Professionals from countries all over the world attend TECH, allowing students to establish a large network of contacts that may prove useful to them in the future.

**100,000+**  
executives trained each year

**200+**  
different nationalities



### Empowerment

Students will grow hand in hand with the best companies and highly regarded and influential professionals. TECH has developed strategic partnerships and a valuable network of contacts with major economic players in 7 continents.

**500+** | collaborative agreements with leading companies



### Talent

This program is a unique initiative to allow students to showcase their talent in the business world. An opportunity that will allow them to voice their concerns and share their business vision.

After completing this program, TECH helps students show the world their talent.



### Multicultural Context

While studying at TECH, students will enjoy a unique experience. Study in a multicultural context. In a program with a global vision, through which students can learn about the operating methods in different parts of the world, and gather the latest information that best adapts to their business idea.

TECH students represent more than 200 different nationalities.



TECH strives for excellence and, to this end, boasts a series of characteristics that make this university unique:



### Analysis

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TECH explores the student's critical side, their ability to question things, their problem-solving skills, as well as their interpersonal skills.



### Academic Excellence

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TECH offers students the best online learning methodology. The university combines the Relearning method (a postgraduate learning methodology with the highest international rating) with the Case Study. A complex balance between tradition and state-of-the-art, within the context of the most demanding academic itinerary.



### Economy of Scale

---

TECH is the world's largest online university. It currently boasts a portfolio of more than 10,000 university postgraduate programs. And in today's new economy, **volume + technology = a ground-breaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.



### Learn with the best

---

In the classroom, TECH's teaching staff discuss how they have achieved success in their companies, working in a real, lively, and dynamic context. Teachers who are fully committed to offering a quality specialization that will allow students to advance in their career and stand out in the business world.

Teachers representing 20 different nationalities.



*At TECH, you will have access to the most rigorous and up-to-date case studies in the academic community"*

03

# Why Our Program?

Studying this TECH program means increasing the chances of achieving professional success in senior business management.

It is a challenge that demands effort and dedication, but it opens the door to a promising future. Students will learn from the best teaching staff and with the most flexible and innovative educational methodology.



“

*We have highly qualified teachers and the most complete syllabus on the market, which allows us to offer you training of the highest academic level"*

This program will provide students with a multitude of professional and personal advantages, particularly the following:

01

### A significant career boost

By studying at TECH, students will be able to take control of their future and develop their full potential. By completing this program, students will acquire the skills required to make a positive change in their career in a short period of time.

*70% of participants achieve positive career development in less than 2 years.*

02

### Develop a strategic and global vision of companies

TECH offers an in-depth overview of general management to understand how each decision affects each of the company's different functional areas.

*Our global vision of companies will improve your strategic vision.*

03

### Consolidate the student's senior management skills

Studying at TECH means opening the doors to a wide range of professional opportunities for students to position themselves as senior executives, with a broad vision of the international environment.

*You will work on more than 100 real senior management cases.*

04

### Take on new responsibilities

The program will cover the latest trends, advances and strategies, so that students can carry out their professional work in a changing environment.

*45% of graduates are promoted internally.*

05

### Access to a powerful network of contacts

TECH connects its students to maximize opportunities. Students with the same concerns and desire to grow. Therefore, partnerships, customers or suppliers can be shared.

*You will find a network of contacts that will be instrumental for professional development.*

06

### Thoroughly develop business projects

Students will acquire a deep strategic vision that will help them develop their own project, taking into account the different areas in companies.

*20% of our students develop their own business idea.*

07

### Improve soft skills and management skills

TECH helps students apply and develop the knowledge they have acquired, while improving their interpersonal skills in order to become leaders who make a difference.

*Improve your communication and leadership skills and enhance your career.*

08

### Be part of an exclusive community

Students will be part of a community of elite executives, large companies, renowned institutions, and qualified professors from the most prestigious universities in the world: the TECH Technological University community.

*We give you the opportunity to train with a team of world renowned teachers.*

# 04 Objectives

Students who enroll in this Postgraduate Certificate in Requirement Management in Predictive Projects will be closer to meeting their academic objectives, which will allow them to be more effective as business analysts, contributing their skills and, above all, doing everything possible to achieve the objectives foreseen at the time of designing the project. Undoubtedly, a program that will mark a before and after in the qualification of business professionals.



“

*Achieve your academic objectives in project management thanks to the superior qualification offered by TECH with this Postgraduate Certificate"*

TECH makes the goals of their students their own goals too.  
Together they work to achieve them.

The Postgraduate Certificate in Requirement Management in Predictive Projects will enable students to:

01

Determine the role of the business analyst in predictive projects

02

Generate specialized knowledge on the practical tools and techniques most commonly used by business analysts

03

Develop a correct requirements definition and management process to manage a project with a predictive methodology (*Plan Driven*)

04

Clearly establish the relationship between business analysis and project requirements

05

Practice creative thinking skills to engage stakeholders, uncover needs and identify new approaches and ideas



06

Compare and contrast analysis techniques to select the one that most appropriately communicates information to stakeholders for review and understanding of requirements

08

Recognize the different levels of requirements and know how to categorize them

09

Characterize what well-defined requirements should look like

07

Get the most out of models and diagrams to model requirements

10

Determine why requirements need to be managed for traceability, impact analysis and reusability



05

# Structure and Content

The structure of this Postgraduate Certificate in Requirement Management in Predictive Projects has been designed with the academic needs of business professionals in this field in mind. In this way, students are offered a very well-defined program, which includes relevant aspects on issues that will be fundamental when it comes to understanding the requirements of a project. In addition, the online format of this program will make it easier for students to self-manage their studies by determining where and when to study.



“

*This program has been designed to facilitate  
your study and learning process"*

## Syllabus

The Postgraduate Certificate in Requirements Management in Predictive Projects of TECH Technological University is an intensive program that prepares students to face challenges and business decisions in the field of integrated project management. Its content is designed to promote the development of managerial skills that enable more rigorous decision-making in uncertain environments.

Throughout 150 hours of study, the student will face a multitude of practical cases through individual work, which will allow you to acquire the necessary skills to develop successfully in your daily practice. It is, therefore, an authentic immersion in real business situations.

This program deals in depth with different areas of the company and is designed for managers to understand project management from a strategic, international and innovative perspective.

A plan designed especially for students, focused on their professional improvement and that prepares them to achieve excellence in the field of leadership and business management. A program that understands your needs and those of your company through innovative content based on the latest trends, and supported by the best educational methodology and an exceptional faculty, which will provide you with the skills to solve critical situations in a creative and efficient way.

This Postgraduate Certificate takes place over 6 weeks, and it consists of just 1 module:

### Module1.

Requirement Management in Predictive Projects



### Where, When and How is it Taught?

TECH offers the possibility of developing this Postgraduate Certificate in Requirement Management in Predictive Projects completely online. During the 6 weeks of the program, the student will be able to access all the contents of this program at any time, which will allow the student to self-manage his or her study time.

*A unique, key, and decisive educational experience to boost your professional development and make the definitive leap.*

## Module 1. Requirement Management in Predictive Projects

### 1.1. Requirement Management in Predictive Projects

- 1.1.1. Business Analysis in Projects
- 1.1.2. Project and Product Requirements
- 1.1.3. Obtaining Project Requirements

### 1.2. Requirement Management

- 1.2.1. Inadequate Requirement Management as a Cause of Project Failure
- 1.2.2. The Role and Function of the Business Analyst, According to the PMI®.
- 1.2.3. PMI-PBA® Certification
- 1.2.4. Project Management Institute (PMI®): A Practical Guide to Business Analysis
- 1.2.5. International Institute of Business Analysis (IIBA®): Business Analysis Body of Knowledge® (BABOK®)
- 1.2.6. Requirements Management Domains
- 1.2.7. Types of Project Requirements

### 1.3. Business Needs Assessment

- 1.3.1. Business Need
- 1.3.2. Value Proposition
- 1.3.3. Project Objectives
- 1.3.4. Identification of Interested Parties
- 1.3.5. Stakeholder Values

### 1.4. Requirements Management Planning

- 1.4.1. Context of the Project
- 1.4.2. Requirements Traceability Planning
- 1.4.3. Requirement Management Planning
- 1.4.4. Requirement Change Management Planning

### 1.5. Requirements Analysis

- 1.5.1. Compilation of Requirements
- 1.5.2. Analysis, Decomposition and Elaboration of Requirements
- 1.5.3. Comparison of the Requirements with the Product Scope
- 1.5.4. Location of Requirements
- 1.5.5. Obtaining Formal Approval of Requirements
- 1.5.6. Specification of Requirements
- 1.5.7. Validation of Requirements
- 1.5.8. Specification of Acceptance Criteria

### 1.6. Traceability and Requirement Control

- 1.6.1. Traceability of Requirements
- 1.6.2. Requirement Status Monitoring
- 1.6.3. Requirement Status Update
- 1.6.4. Communication of Requirements
- 1.6.5. Management of Changes in Requirements

### 1.7. Evaluation of Requirement Management

- 1.7.1. Validation of Test Results
- 1.7.2. Analysis of Non-Conformities (Solution Gaps)
- 1.7.3. Obtaining Formal Approval of the Solution
- 1.7.4. Evaluation of the Results of the Solution

### 1.8. Risk Management Associated with Project Requirements

- 1.8.1. Risk Identification based on Project and Product Requirements
- 1.8.2. Specific Risks Related to Requirements Management
- 1.8.3. Risk Management Plan Associated with Requirements Traceability
- 1.8.4. Real Options for Requirements Inaccuracy

### 1.9. Quality Management Associated with Requirements Management

- 1.9.1. Project Quality and Quality Requirements
- 1.9.2. Requirement Management as a Critical Factor for Project Success
- 1.9.3. Project Quality Vs. Conformity to Requirements

### 1.10. Competencies Associated with Requirements Management

- 1.10.1. Business Vision
- 1.10.2. Complex Projects: Complexity Management
- 1.10.3. Systemic Thinking
- 1.10.4. Knowledge of the Political and Social Environment
- 1.10.5. Multiculturalism
- 1.10.6. Facilitation Skills



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*A unique, key and decisive  
training experience to boost  
your professional development”*

# 06 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.





“

*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"*

## TECH Business School uses the 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"*



*This program prepares you to face business challenges in uncertain environments and achieve business success.*



### A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch to present executives with challenges and business decisions at the highest level, whether at the national or international level. 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 business reality is taken into account.

**“** *You will learn, through collaborative activities and real cases, how to solve complex situations in real business environments”*

The case method has been the most widely used learning system among the world's leading business 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 we face in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They must integrate all their knowledge, research, argue and defend their ideas and decisions.

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

## 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.

*Our online system will allow you to organize your time and learning pace, adapting it to your schedule. You will be able to access the contents from any device with an internet connection.*

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 online business school is the only one in the world licensed to incorporate 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.

With this methodology we have 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, markets, and financial 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 specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to 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.



#### Management Skills Exercises

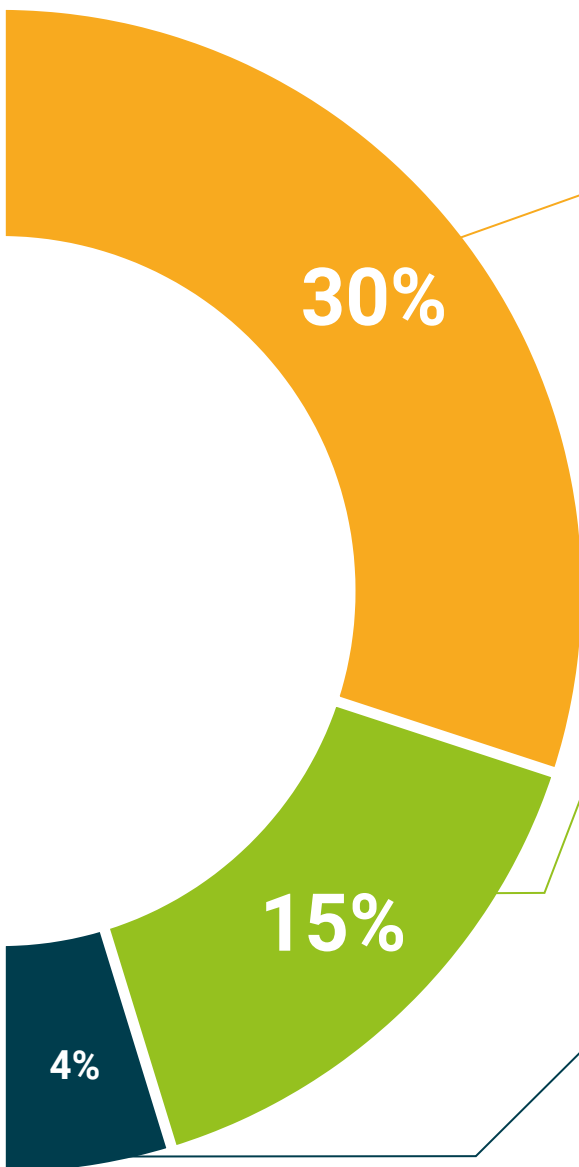
They will carry out activities to develop specific executive competencies in each thematic area. Practices and dynamics to acquire and develop the skills and abilities that a high-level manager needs to develop in the context of the globalization we live in.



#### 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 senior management 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.



07

# Our Students' Profiles

The profile of students of this Postgraduate Certificate in Requirements Management in Predictive Projects of TECH is that of business professionals who are committed to higher education to improve their skills and abilities in this area, providing greater professionalism to their work. People who believe in updating their knowledge during the working stage and who are willing to make a personal and economic effort to continue their studies during their working stage.



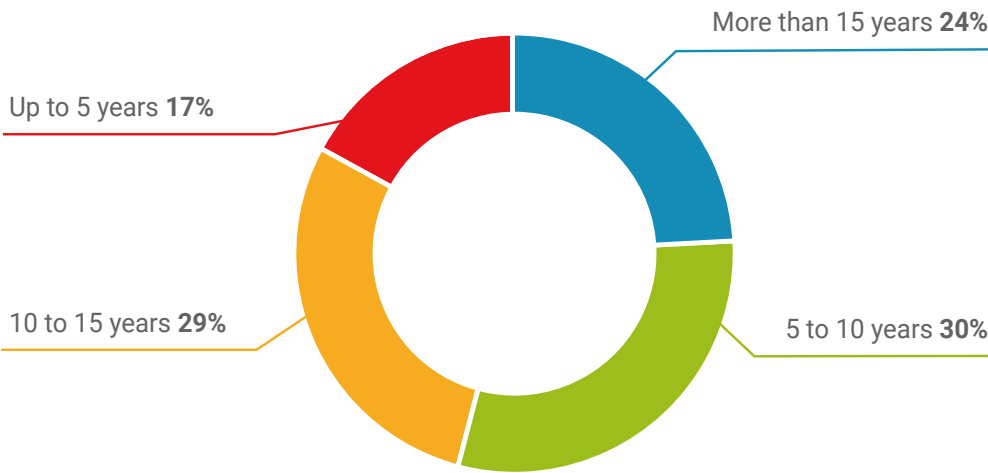
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*This program is aimed at business professionals who wish to improve their project management skills"*

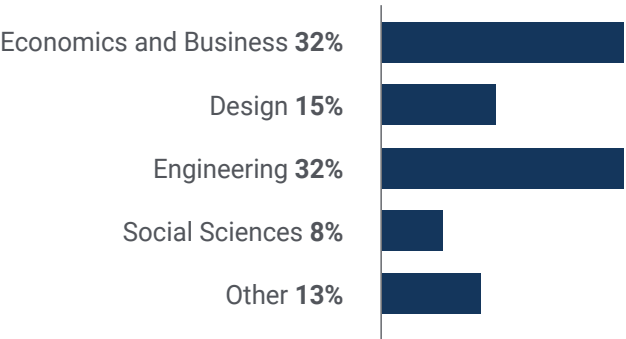
Average Age

Between **35** and **45** years old

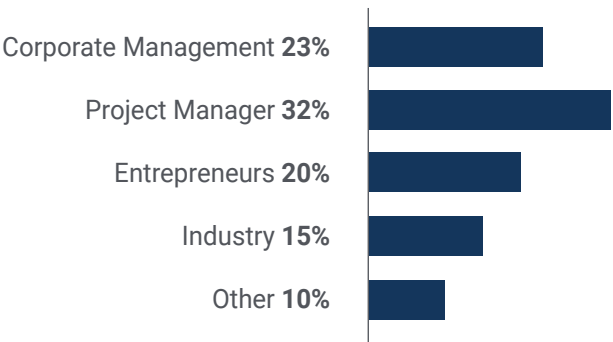
Years of Experience



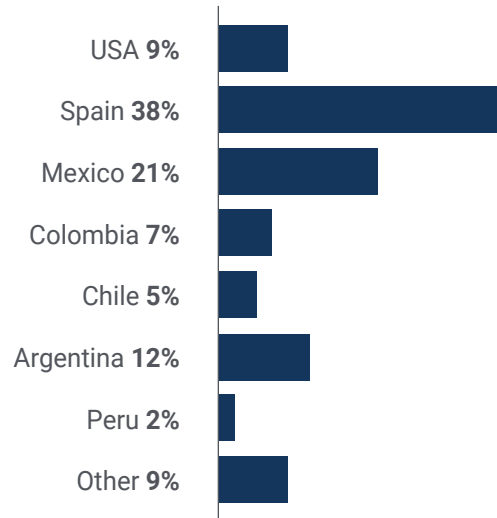
Training



Academic Profile



## Geographical Distribution



## Jaime Díaz

### Project Manager

*"I have been working in predictive project management for years. However, recently I felt that I needed to improve my qualification in order to keep up to date with the main developments in the industry. Luckily, I found this TECH Postgraduate Certificate and managed to acquire a superior specialization in an area of great relevance in this field. Undoubtedly, the program I needed to act with greater confidence in this field."*

08

# Course Management

The teachers of this TECH program are professional experts in predictive projects, who have selected the latest information on each area of action in this field. Teachers who have adapted to the needs of the students to offer them high level educational resources, which will be fundamental for their professional development. Undoubtedly, a team of people who, understanding the needs of companies and professionals in the sector, have designed the best program on the market.



“

*Don't miss the opportunity to study with  
the best team of teachers in the field"*

## Management



### Mr. Pérez Pérez, Manuel Felipe

- ♦ Senior Project Manager – EQUIDEA
- ♦ Project Manager - AYDEM Consulting
- ♦ Consultant/Trainer in Organizational Development and Project Management
- ♦ Head of Training for Postgraduate Studies of the College of Computer Engineers of Madrid
- ♦ Technical Telecommunications Engineering - UPM
- ♦ Telecommunication Systems Engineering - UPM
- ♦ European Engineer EUR-ING - FEANI
- ♦ PMP ® (Project Management Professional) - PMI ID: 1767390
- ♦ Advanced Agile Project Management Program. SCRUM

## Professors

### Mr. Barato, José

- ♦ Director of PMPEOPLE
- ♦ Freelance Trainer
- ♦ Telecommunications Engineer. Polytechnic University of Madrid
- ♦ PMP ® (Project Management Professional) ID: 70285
- ♦ PMI-ACP ® (Agile Certified Practitioner) ID: 1624784
- ♦ Diploma in Accounting and Finance. ESINE
- ♦ Regular Speaker at Project Management Conferences

### Mr. Gómez de la Parra García, Pablo

- ♦ Service Manager of complex projects in T-Systems ITC Iberia SAU
- ♦ Degree in Computer Engineering-UAM
- ♦ Master's Degree in Cybersecurity Research
- ♦ PMP ® (Project Management Professional)
- ♦ Associate Professor at the College of Computer Experts in Madrid



09

# Impact on Your Career

Students who decide to study this TECH Postgraduate Certificate will find a unique opportunity to give a boost to their career by improving their qualifications and, therefore, employability or job promotion options. In this way, professionals who complete this program will be better able to successfully manage the requirements of predictive projects, which will also be an added value for the companies in which they develop professionally.



“

*This program will be fundamental to  
your professional development”*

## Are you ready to take the leap? Excellent professional development awaits you

The Postgraduate Certificate in Requirement Management in Predictive Projects of TECH Technological University is an academic program that is developed in an intensive manner and aimed at improving students' work skills in an area of wide competence. Undoubtedly, it is a unique opportunity to improve professionally, but also personally, as it involves effort and dedication.

Those who wish to improve themselves, achieve a positive change at a professional level and interact with the best, will find their place at TECH.

*This program will help you be more competitive change in your job.*

*Learn how to manage the requirements of a predictive project and be more efficient in your daily work.*

### When the change occurs



### Type of change



## Salary increase

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This program represents a salary increase of more than **25.22%** for our students



# 10

# Benefits for Your Company

This program has become an essential element in the education of project managers, not only for the personal and professional benefits it brings them, but also for the advantages it will bring to the companies once they have completed it, since they will be better able to perform their work with total security. Undoubtedly, a fundamental program adapted to the needs of 21st century companies and employees.



“

*A program that will be essential to  
bring a new work vision to companies"*

Developing and retaining talent in companies is the best long-term investment.

01

### **Intellectual Capital and Talent Growth**

The professional will bring to the company new concepts, strategies and perspectives that can bring about relevant changes in the organization.

---

02

### **Retaining high-potential executives to avoid talent drain**

This program strengthens the link between the company and the executive and opens new avenues for professional growth within the company.

03

### **Building agents of change**

The professional will be able to make decisions in times of uncertainty and crisis, helping the organization overcome obstacles.

---

04

### **Increased international expansion possibilities**

Thanks to this program, the company will come into contact with the main markets of the world economy.



05

### **Project Development**

The professional will be work on a current project or develop new projects in the field of R&D or Business Development within their company.

---

06

### **Increased competitiveness**

This program will equip students with the necessary skills to take on new challenges and drive the organization forward.

# 11

# Certificate

The Postgraduate Certificate in Requirement Management in Predictive Projects guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



“

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

This **Postgraduate Certificate in Requirement Management in Predictive Projects** 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** diploma issued by **TECH Technological University** via tracked delivery\*.

The certificate 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 Requirement Management in Predictive Projects**

Official N° of Hours: **150 h.**





## Postgraduate Certificate Requirement Management in Predictive Projects

- » Modality: online
- » Duration: 6 weeks
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