

# Postgraduate Certificate Predictive Methodologies in Project Management





## Postgraduate Certificate Predictive Methodologies in Project Management

- » 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.techtute.com/pk/school-of-business/postgraduate-certificate/predictive-methodologies-project-management](http://www.techtute.com/pk/school-of-business/postgraduate-certificate/predictive-methodologies-project-management)

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# 01 Welcome

In an increasingly competitive and selective business environment, in which only the companies that can adapt most quickly to the changing needs of their customers survive, optimal project management is essential, not only to stay on track, but also to generate future and sustainability. So far, it has been important to optimize operations. A long road has already been traveled in this direction (specialization, factories, globalization, tools, processes, lean quality systems, six-sigma, etc.). These methods have been very effective in increasing productivity and reducing operating costs. However, project management with predictive methodologies requires more. That extra qualification is what TECH aims to offer its students with this program, in which they will find the most up-to-date information on the market about a field that is becoming increasingly important at a business level.



Postgraduate Certificate in Predictive Methodologies in Project Management.  
TECH Technological University



“

*The superior specialization of business professionals in predictive methodologies will allow them to reach an optimal level of management that will be fundamental to their professional development"*

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

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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 groundbreaking 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

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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

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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

The completion of this Postgraduate Certificate in Predictive Methodologies in Project Management will allow students to meet their academic objectives by acquiring the necessary skills to develop professionally in this field. Undoubtedly, this is a highly valuable program that will be essential to acquire the necessary qualifications to successfully manage in this field and provide greater visibility to the CVs of professionals in the selection processes.



“

*Get to know the main predictive methodologies in project management and apply them successfully in your daily practice”*

**TECH makes the goals of their students their own goals too  
Working together to achieve them**

The **Postgraduate Certificate in Predictive Methodologies in Project Management** will enable students to:

01

Analyze the main globally standardized process frameworks for managing predictive projects

04

Determine the basis of PMI's process framework for managing projects: the PMBOK Guide

02

Examine the main differential elements between the main process frameworks

03

Master common terminology for professional project management

05

Establish the most popular PMI professional accreditations





06

Analyze the basics of the ISO project management process framework: ISO-21500

08

Examine the basics of the IPMA project management process framework

09

Specify the basics of the European Union methodology: PM2 and the basics of the cooperative project methodology: Logical Framework Approach (LFA) and PM4R

07

Develop the basics of the PRINCE2 project management methodology

10

Obtain an overview of predictive project management methodologies



05

# Structure and Content

The structure of this syllabus has been designed to meet the academic needs of business professionals, who are looking for programs that comprehensively cover predictive methodologies in project management. Very well-structured content that will serve as a useful work guide for Project Managers who wish to specialize in this area, covering a wide field of knowledge that can be applied to their daily work.



“

*A very well-structured program  
that will mark a before and  
after in your qualification"*

## Syllabus

The Postgraduate Certificate in Predictive Methodologies in Project Management 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, students will study a multitude of practical cases through individual work, which will allow them to acquire the necessary skills to successfully develop in their 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:

### Module 1

Predictive Methodologies and Frameworks in Project Management

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

TECH offers the possibility of developing this Postgraduate Certificate in Predictive Methodologies in Project Management completely online. Over the course of 6 weeks, you will be able to access all the contents of this program at any time, allowing you to self-manage your study time.

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



**Module 1. Predictive Methodologies and Frameworks in Project Management**

<p><b>1.1. Differences between a Framework and a Management Methodology</b></p> <p>1.1.1. Historical Evolution of Predictive Project Management Methodologies</p> <p>1.1.2. Standards, Frameworks and Best Practice Guidelines</p> <p>1.1.3. Main Project Management Doctrine Generating Agencies</p>	<p><b>1.2. PMI (Project Management Institute)</b></p> <p>1.2.1. The PMI Organization</p> <p>1.2.2. The Professional Project Manager (The Talent Triangle)</p> <p>1.2.3. Other PMI Qualifications</p>	<p><b>1.3. PMI's Project Management Framework: The PMBOK Guide</b></p> <p>1.3.1. People in Project Management</p> <p>1.3.2. Business Environment in Project Management</p> <p>1.3.3. Project Management Processes</p>	<p><b>1.4. Other PMI Management Frameworks</b></p> <p>1.4.1. Program Management Standard</p> <p>1.4.2. Portfolio Management Standard</p> <p>1.4.3. Organizational Project Management Maturity Standard</p>
<p><b>1.5. ISO-21500</b></p> <p>1.5.1. Project Management Process Groups</p> <p>1.5.2. Project Management Subject Matter Groups</p> <p>1.5.3. Project Management Process Framework</p>	<p><b>1.6. PRINCE2</b></p> <p>1.6.1. Principles of Project Management</p> <p>1.6.2. Topics of Project Management</p> <p>1.6.3. Processes in Project Management</p>	<p><b>1.7. Framework IPMA</b></p> <p>1.7.1. Perspectives of Project Management</p> <p>1.7.2. People in Project Management</p> <p>1.7.3. Practices in Project Management</p>	<p><b>1.8. Project Management Methodology (PM2)</b></p> <p>1.8.1. Governance and Project Management Life Cycle</p> <p>1.8.2. Processes in Project Management</p> <p>1.8.3. Artifacts in Project Management</p>
<p><b>1.9. Logical Framework Approach (LFA)</b></p> <p>1.9.1. Areas of Application of MLE</p> <p>1.9.2. Project Matrix: Objectives, Results, Activities,</p> <p>1.9.3. Practical Examples EML</p>	<p><b>1.10. PM4R</b></p> <p>1.10.1. Project Start</p> <p>1.10.2. Project Planning</p> <p>1.10.3. Project Monitoring and Control</p>		



*The completion of this program will be crucial in improving the project management skills of professionals"*



# 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.*



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

### 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.

## 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

This Postgraduate Certificate in Predictive Methodologies in Project Management of TECH is aimed primarily at business professionals who have previous experience in project management, but wish to expand their education with the main developments in the sector, so that they can work with greater confidence, bringing to their daily practice these new concepts and strategies that will be essential to achieve successful management and therefore, greater benefits for your company.







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

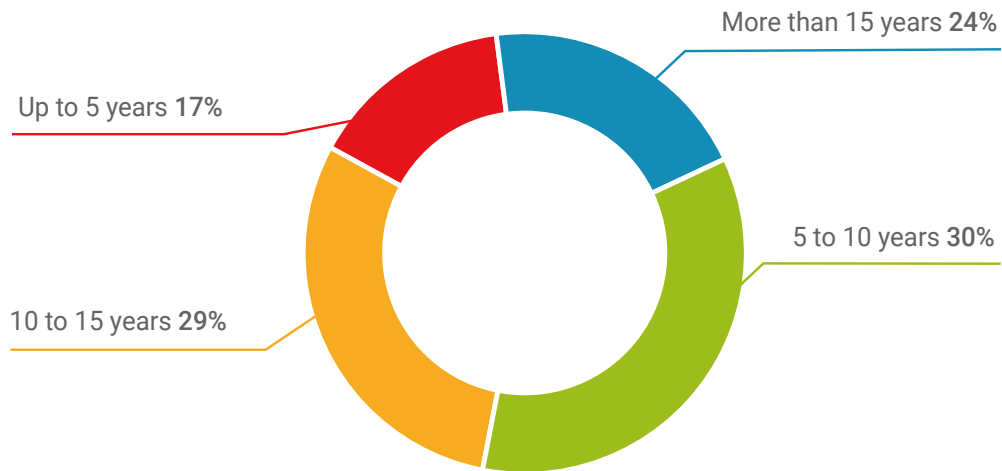
### Average Age

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

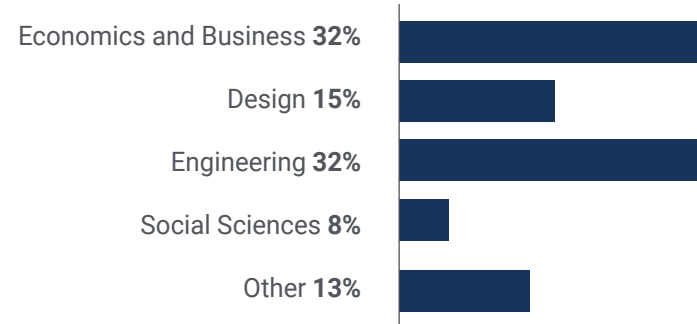
### Years of Experience

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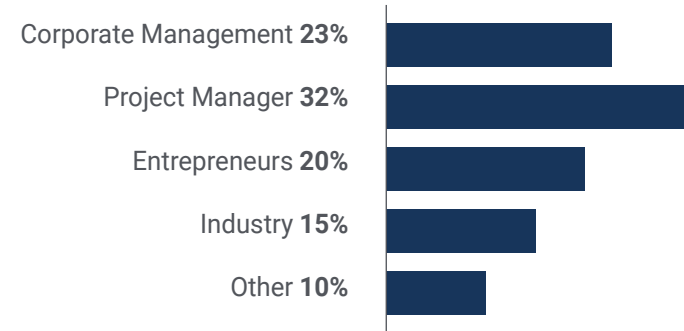
### Training

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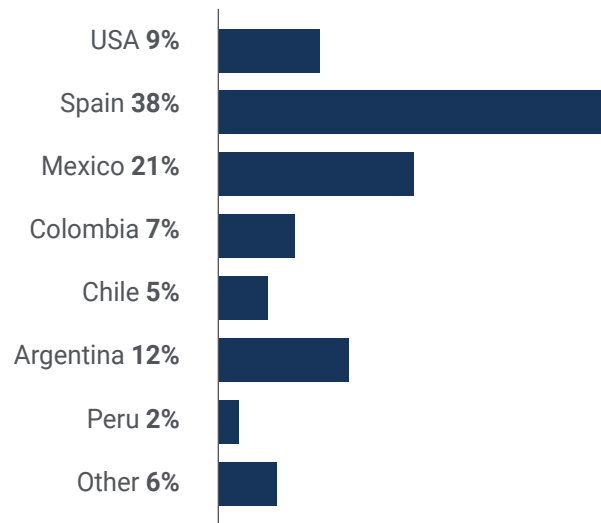
### Academic Profile

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## Geographical Distribution

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## Jaime Díaz

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**Project Manager**

*"I had been looking for a long time for a program on predictive methodologies with which to improve my qualification in this field. However, none offered me a modality that was totally compatible with my work and a syllabus as up to date as this one from TECH. That is why I decided to take it and now I am totally convinced that it has been one of the best decisions I have made academically. Without a doubt, I would repeat in a heartbeat"*

08

# Course Management

TECH has a first-class teaching team to teach this Postgraduate Certificate in Predictive Methodologies in Project Management. Professionals with extensive experience in the sector, but also at a teaching and research level, who have compiled the most relevant and innovative information in the sector so that students can acquire superior education in a comfortable way, attending to those concepts that will be fundamental for their professional development. In addition, they are teachers who are up to date with new educational technologies and apply them in their programs.



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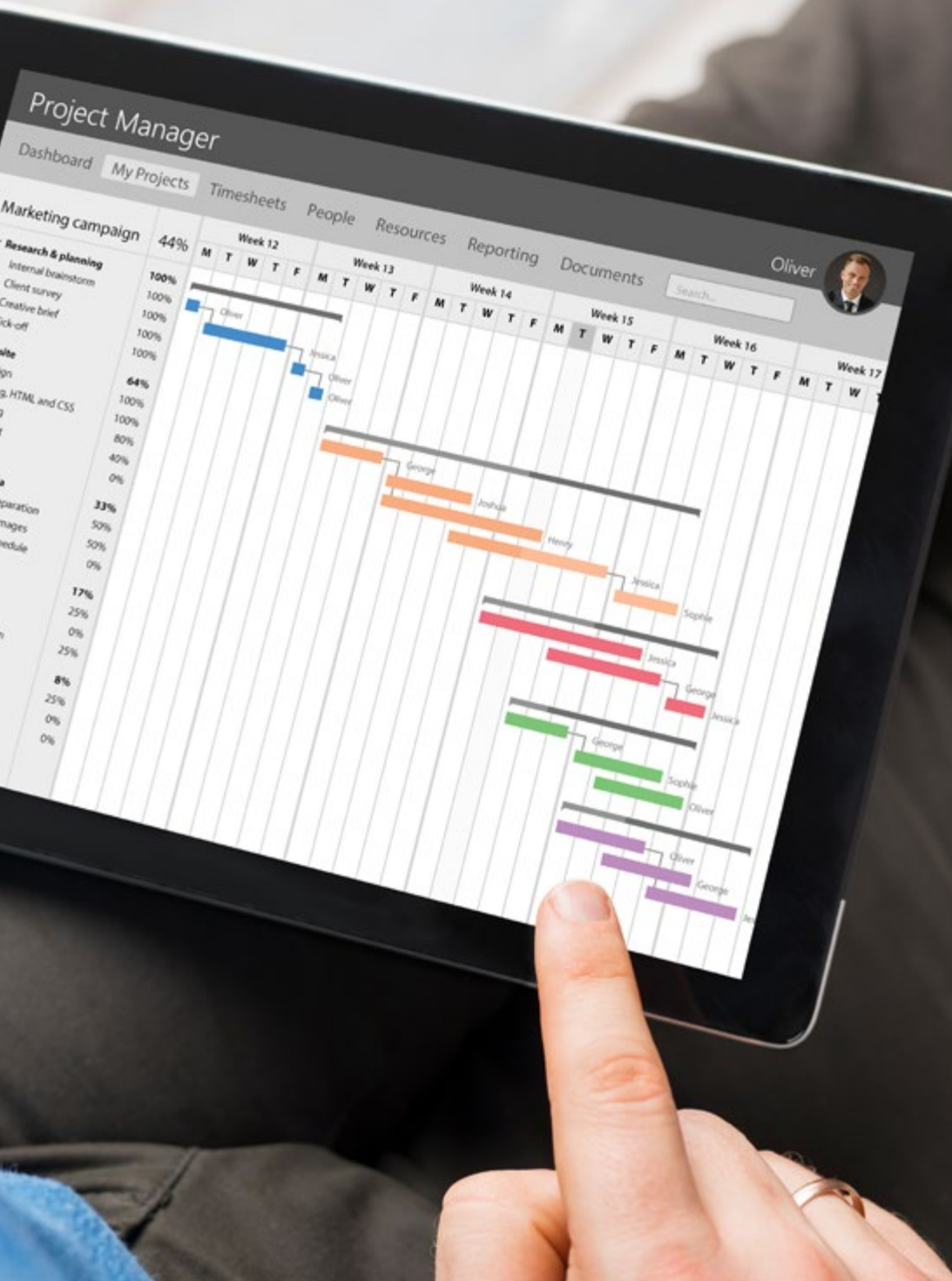
*A first-class faculty to teach you the ins and outs of predictive project management methodologies"*

## 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
- ◆ Certificate in Accounting and Finance. ESINE
- ◆ Regular Speaker at Project Management Conferences

09

# Impact on Your Career

This program at TECH Technological University will provide students with an additional qualification in the field of predictive methodologies in project management, making it a unique opportunity to make a great career turnaround. In this way, students will be able to find in this Postgraduate Certificate the necessary skills to improve in their daily practice and thus be more competitive, providing a plus of quality in their daily work.





“

*If you want to achieve a professional improvement in this field, do not think twice and enroll in TECH Technological University"*

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

The Postgraduate Certificate in Predictive Methodologies in Project Management at 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.

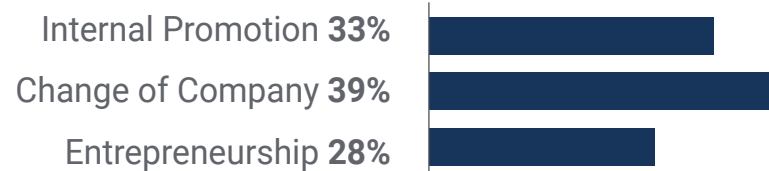
*This program will help you improve your education and, with it, become more competitive in your daily practice.*

*Most of the students in this program achieve professional improvement in a short period of time.*

#### 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

The completion of this Postgraduate Certificate in Predictive Methodologies in Project Management of TECH will not only bring significant improvements to professionals, but also to the companies in which they work, since the human capital of a company is one of its main assets and its better qualification will be essential to achieve business advantages over competitors. Therefore, this program has become an essential element in the education of project managers.





“

*It brings to your company a new business vision, more competitive, more adapted to the needs of the 21st century”*

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 in 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.

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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 Predictive Methodologies in 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.





“

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

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

Title: **Postgraduate Certificate in Predictive Methodologies in Project Management**

Official N° of Hours: **150 h.**



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



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- » Exams: **online**

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