





# Postgraduate Diploma Predictive Project Management

» Modality: online

» Duration: 6 months

» 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.techtitute.com/us/school-of-business/postgraduate-diploma/postgraduate-diploma-predictive-project-management

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# 01 **Welcome**

Project management is a fundamental task in any company, regardless of the sector in which it is developed. But this task involves a series of activities such as planning, organization, monitoring and control of all actions related to the project. This is why the work of the people responsible for its management acquires a relevant role, since they must know all the processes and agents involved in the project to verify that the activity iscarried out in an adequate manner, taking into account, in addition, the life cycle of the project. This TECH program supports professionals who wish to specialize in this field, offering them the most complete and up-to-date information on the market, compressed into a high academic level education that has been carried out by a team of experts in the field.









### tech 08 | Why Study at TECH?

#### 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+

200+

executives trained each year

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.



#### 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"

### Why Study at TECH? | 09 **tech**

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



#### **Analysis**

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



#### **Academic Excellence**

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.





### tech 12 | Why Our Program?

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



#### 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.



## 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.



### 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.



#### 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.



#### 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.



#### 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.



#### 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.



#### 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.





### tech 16 | Objectives

Your goals are our goals.

We work together to help you achieve them.

This Postgraduate Diploma in Predictive Project Management prepare the student to:



Examine the most relevant concepts involved in learning professional project management



Specify the attributions and responsibilities of project managers as the person who performs this role, regardless of their position in the hierarchy



Establish the differences between project and process management and their application to the different departments of a company/organization





Determine the different levels of aggregated management: projects, programs and portfolio



Provide an advanced view on the different execution environments, the different reasons for undertaking projects, and how all this can affect project management in real practice



Be aware of the importance of results focus and customer orientation as guides in the practice of managing our projects



Examine the different implications of managing projects depending on their size and the size of the organization executing them



09

Have an updated starting point on the state of the art of project management



Examine the different implications of managing projects depending on their size and the size of the organization executing them



Provide the student with criteria for the understanding and subsequent in-depth study of predictive management methodologies and their application in today's environment



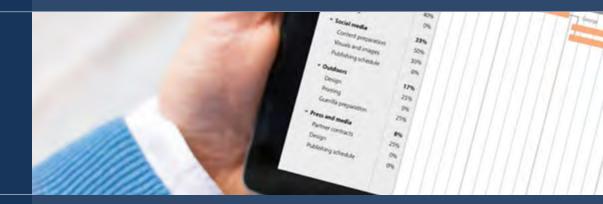
Study the different organizational structures and their implications in project management according to their degree of verticality or horizontality



Establish the most relevant elements that help us to manage project quality



Compile those financial concepts necessary for an adequate project management

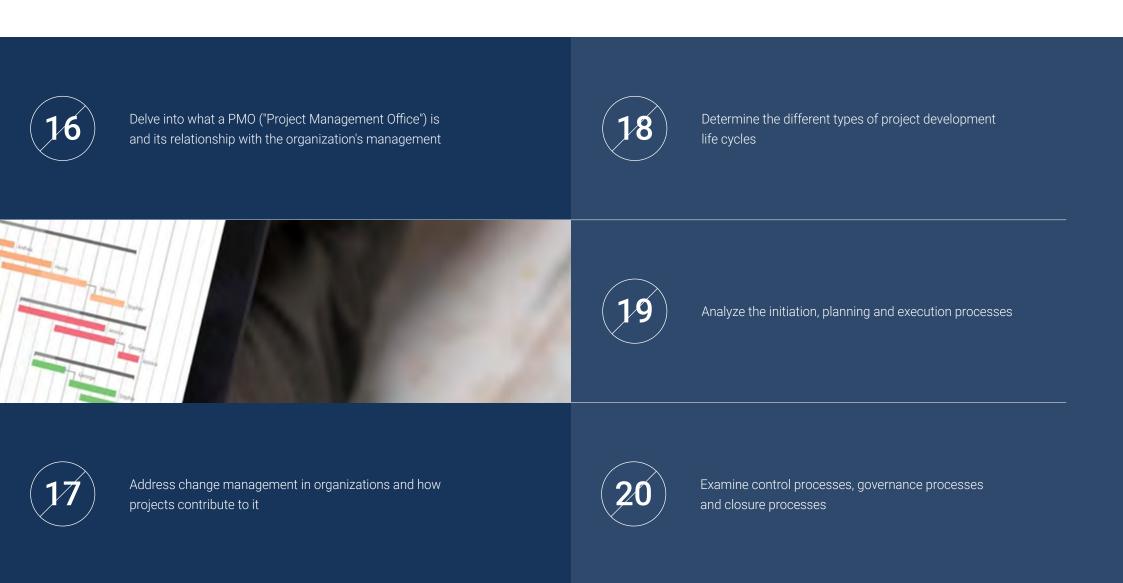


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Analyze how cost management is performed in the company and how it relates to project budget management



Examine the relationship between people management from the HR department and that of a project manager as a temporary team leader







### tech 22 | Structure and Content

#### **Syllabus**

The Postgraduate Diploma in Predictive Project Management of TECH Technological University is a program aimed at improving the skills of professionals working in project creation teams. In this way, it offers a syllabus focused on the use of predictive methodologies, so that students find the necessary education that allows them to direct their plans towards the achievement of the objectives set by the organization.

To this end, throughout 450 hours of study, students will have access to multiple didactic resources, both theoretical and practical, thanks to which they will be able to improve their knowledge in this field. In addition, this program is geared towards the work of department managers, so specific knowledge on management and business organization is also provided.

This program is considered one of the most demanded in the market, both for the quality of its content and teaching staff, as well as for the facilities it offers students for their studies. Thus, the fully online format of this program provides multiple advantages to students, among which are the possibility of doing it from wherever and whenever you want without the need for unnecessary transfers to a physical center.

It is a 6-month program divided into 3 modules:

Module 1 Project Management with Predictive Methodologies

Module 2 Management: Business Organization and Project Management

Module 3 Project Life Cycles in Predictive Methodologies



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

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

Delve into the study of cybersecurity and manage to prevent computer attacks in your company.

### tech 24 | Structure and Content

Mod	<b>lule 1.</b> Project Management with Predict	ive Me	thodologies			
1.1. 1.1.1. 1.1.2. 1.1.3. 1.1.4.	Project Management Relevance	1.2. 1.2.1. 1.2.2. 1.2.3.	Portfolio Management	1.3. 1.3.1. 1.3.2. 1.3.3. 1.3.4.	Organizational Structure of the Project The Project Manager's Role, Functions and Attributions Functions and Responsibilities The Project Team Customer Orientation and Results Orientation	Activities and Management Areas  Management Effort Vs. Execution Effort Management Areas in Any Project
1.5.2.	Project Life Cycle in the Organization Life Cycles in the Organization Depending on the Type of Projects (R&D, Implementation, Product Design, etc.) Internal Standardization: Standard Lifecycle in the Organization Projects and Subprojects, Phases and Activities	1.6. 1.6.1. 1.6.2. 1.6.3. 1.6.4.	the Administration. Contracting Processes Vs. Bidding Offer and Commitment to the Client and the Promoter. Definition Vs. Project Formulation	1.7. 1.7.1. 1.7.2. 1.7.3. 1.7.4.	Evaluation of Project Results Project Performance Evaluation Techniques Internal Evaluation of Results for the Organization Fulfillment of Requirements Vs. Satisfaction of Customer Expectations Value Assurance and Long-Term Effects	Project Management in the Context of Large Systems Relationship between Project Management and Systems Engineering Systemic view of Project Management Influence of the Degree of Complexity on Project Management
	Project Management in the Context of Small Organizations Project Management as applied in the SME Environment Micro-projects and Adaptation of the Methodology Project Management Outsourcing	1.10.1 1.10.2 1.10.3	Current Trends in Project Management  Neither Predictive nor Agile: Hybridization Lean Project Management Projects and Digital Transformation Impact of New Technologies on Project Management			

Mod	lule 2. Management: Business Organ	ization	and Project Management				
2.1.1.2.1.2.1.2.2.1.3.2.1.4.	of an Organization  Management of the Organization: Shareholders' Meeting, Steering Committee and Chief Executive Officer Cross-cutting Areas: Finance, HR, Quality, Purchasing, Logistics Commercial, Product and Marketing Areas Operational Areas by Processes and Projects. R&D, Production Engineering, Facilities, Operations	<ul><li>2.2.</li><li>2.2.1.</li><li>2.2.2.</li><li>2.2.3.</li></ul>	Organizational Structures Oriented to Project Management Types of Organization in the Structure of the Company Matrix-type Organizational Structures Oriented to Project Execution Complexity of Relationships between Functional Areas. Resource Sharing	2.3. 2.3.1. 2.3.2. 2.3.3.	Corporate Finance and Economics Financial Information and Decision Making Financial Statements. Balance Sheet and Income Statement Investment Analysis. Change in Monetary Value over Time	<b>2.4.</b> 2.4.1. 2.4.2. 2.4.3.	
2.5.	Quality Applied to Project	2.6.	Project Financial Management	2.7.	People Management	2.8.	The Project Management Office
2.5.1. 2.5.2. 2.5.3. 2.5.4.	Management Product Quality and Project Quality Relationship between Committed Scope and Quality Quality Control Vs. Assuring Quality	2.6.1. 2.6.2. 2.6.3.	Analysis of Project Profitability The Project as an Investment. ROI (Return on Investment) Project Financing	2.7.1. 2.7.2. 2.7.3.	HR Department Functions and Processes People Management as a Strategic Element in an Organization		(PMO) Functions and Types of PMO Strategic Management Support People Management Support Logistics and Procurement Support

### tech 26 | Structure and Content

М	odule 3. Project Life Cycles in Predictive	ve Methodologies			
<b>3.</b> 3.1 3.1 3.1	.1. Waterfall Project Development Life Cycles	<ul> <li>3.2. The Generic Life Cycle for Project Management</li> <li>3.2.1. Product Life Cycle vs. Project</li> <li>3.2.2. Phases of a Project</li> <li>3.2.3. Phase Revisions</li> </ul>	<ul> <li>3.3. Project Start</li> <li>3.3.1. Project Start-up and Definition Issues</li> <li>3.3.2. Act of Incorporation of a Predictive Project</li> <li>3.3.3. Agile Project Charter</li> </ul>	3.4.2.	Modelling of Project Management Elements Requirements Planning Work Package Planning Activity Planning
3.5 3.5 3.5	5.1. Scope Baseline 5.2. Baseline Schedule	<ul> <li>3.6. Project Management Plan</li> <li>3.6.1. Stakeholder, Communications and Resource Management Planning</li> <li>3.6.2. Quality Management Planning and Procurement</li> <li>3.6.3. Risk Planning</li> </ul>	<ul> <li>3.7. Direction and Management of Project Execution</li> <li>3.7.1. Leading the Team</li> <li>3.7.2. Involve Stakeholders</li> <li>3.7.3. Knowledge Management</li> <li>3.7.4. Implement Risk Response</li> <li>3.7.5. Quality Management</li> <li>3.7.6. Procurement</li> </ul>	3.8.1. 3.8.2. 3.8.3. 3.8.4. 3.8.5.	Monitoring and Control of the Technical Performance of the Project Control of Baselines Control of Resources Risk Control Quality Control Procurement Control
3.9	9. Project Governance 1.1. Project Governance Structures: PMO, Monitoring Committee and Change Control Committee 1.2. Monitoring Communications and Stakeholder Engagement 1.3. Functions of the Project Monitoring Committee 1.4. Functions of the Project Change Control Committee	3.10. Project or Phase Closure 3.10.1. Essential Tasks in Closing 3.10.2. The Lessons Learned Register 3.10.3. Common Errors in Closing 3.10.4. Administrative Closing and Customer Closin 3.10.5. Closure and Dissolution of the Project Team			





After completing this Postgraduate Diploma, you will open the doors to a new professional destiny"



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.





### tech 30 | Methodology

## 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.





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.

### tech 32 | Methodology

#### 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.



### Methodology | 33 tech

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.



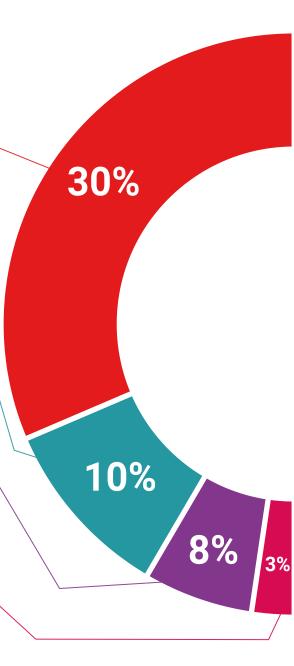
#### **Management Skills Exercises**

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.





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.

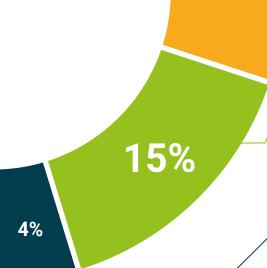


This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

#### **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.





30%

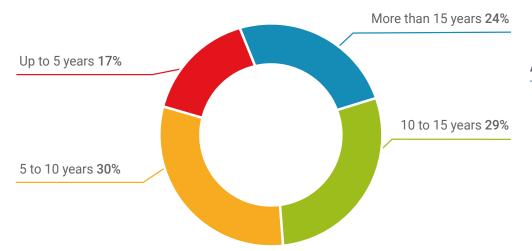




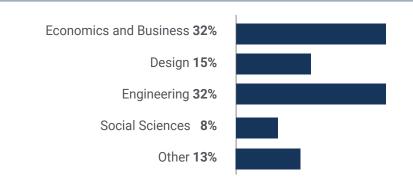


Between **35** and **45** years old

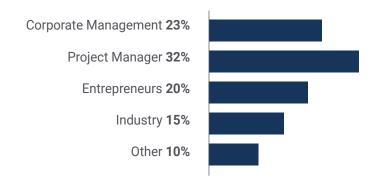
## **Years of Experience**



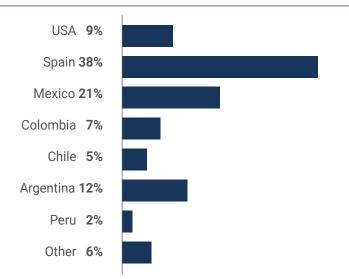
#### **Training**



#### **Academic Profile**



#### **Geographical Distribution**





# Jaime Díaz

#### **Project Manager**

"This program has been fundamental for my professional development as a project manager, as it has allowed me to learn about the main tools and methodologies used in this field. The quality of the content is a great value of this Postgraduate Diploma and undoubtedly, the possibility of doing it online has been essential to be able to take it"





# tech 42 | Course Management

#### 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 Nov 2014
- » Advanced Agile Project Management Program. SCRUM





#### **Professors**

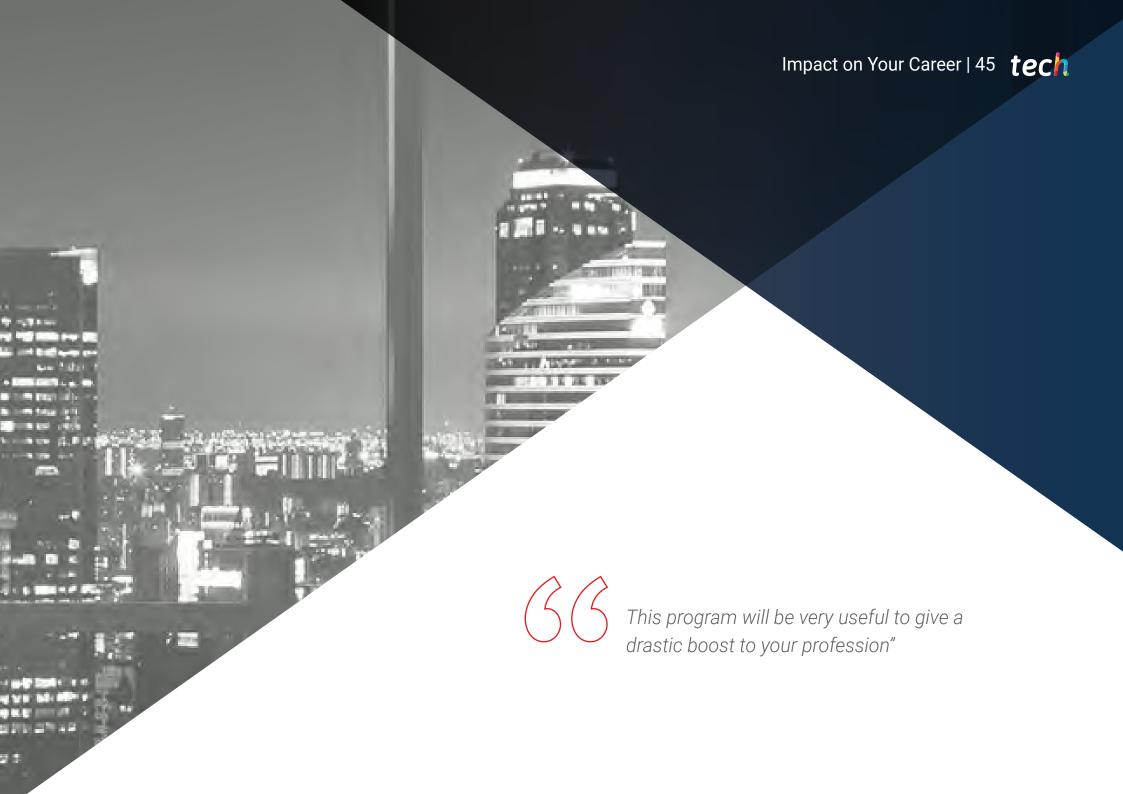
#### Mr. Barato, José

- » 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

#### Ms. García Nieto, Evelyn

- » Engineer responsible for the Department of Surgical Planning, Design, Additive Manufacturing and Management of Customized Systems at Maxilaria Surgery, S.L.
- » Biomedical Engineer at Meirovich Consulting
- » Director of organization of the Iberian Society of Biomechanics and Biomaterials (SIBB) Congresses
- » PhD in Engineering from the Polytechnic University of Madrid
- » Industrial Engineer by the ETSI Industrial Polytechnic University of Madrid
- » Mechanical Engineer from the University of Pinar del Río-Cuba





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

TECH Technological University's Postgraduate Diploma in Predictive Project Management is an academic program that is developed in an intensive manner and aimed at improving students' job skills in an area of broad competence. Undoubtedly, it is a unique opportunity to improve professionally, but also personally, as it involves effort and dedication.

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

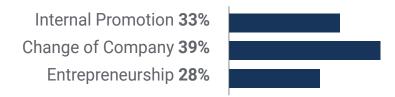
A program of high academic level with which to access better paid positions.

If you are interested in giving a professional twist to your career, do not hesitate and enroll in this program.

#### When the change occurs



#### Type of change



# Salary increase

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

\$57,900

A salary increase of

25.22%

\$72,500





# tech 50 | Benefits for Your Company

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



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

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



# 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.



#### **Building agents of change**

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



#### Increased international expansion possibilities

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







## **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.



## Increased competitiveness

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





# tech 54 | Certificate

This **Postgraduate Diploma in Predictive 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 Diploma** issued by **TECH Technological University** via tracked delivery\*.

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

Title: Postgraduate Diploma in Predictive Project Management
Official N° of Hours: 450 h.



<sup>\*</sup>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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