Postgraduate Diploma

Quality, Risk and Procurement Management of a Technology Project





Quality, Risk and

Procurement Management of a Technology Project

» Modality: online

» Duration: 6 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/in/school-of-business/postgraduate-diploma/postgraduate-diploma-quality-risk-procurement-management-technology-project

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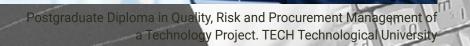
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Certificate

01 **Welcome**

Every technological project requires quality conditions that must be managed in accordance with current regulations, following best practices and striving for excellence in its development. It must also take into account the possible risks involved, so a preventive assessment is essential. On the other hand, there is a whole protocol in terms of the acquisitions involved, training part of a whole phase that is precisely what this program gives to the professional who takes it. A complete and up-to-date approach that covers all the issues that the future Quality, Risk and Procurement manager of a Technology Project is looking for, broadening his current work perspective and improving his performance in the business projects undertaken









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.



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.



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

TECH makes the objectives of its students its own. We work together to achieve them.

The Postgraduate Diploma in Quality, Risk and Procurement Management of a Technology Project allow students to acquire the:



Develop skills and abilities necessary to make decisions in all types of projects, especially technological projects, multidisciplinary contexts and environments



Provide a global and strategic vision of all operational departments of the company



Acquire the ability to analyze and diagnose business and management problems in the different areas of knowledge of project management

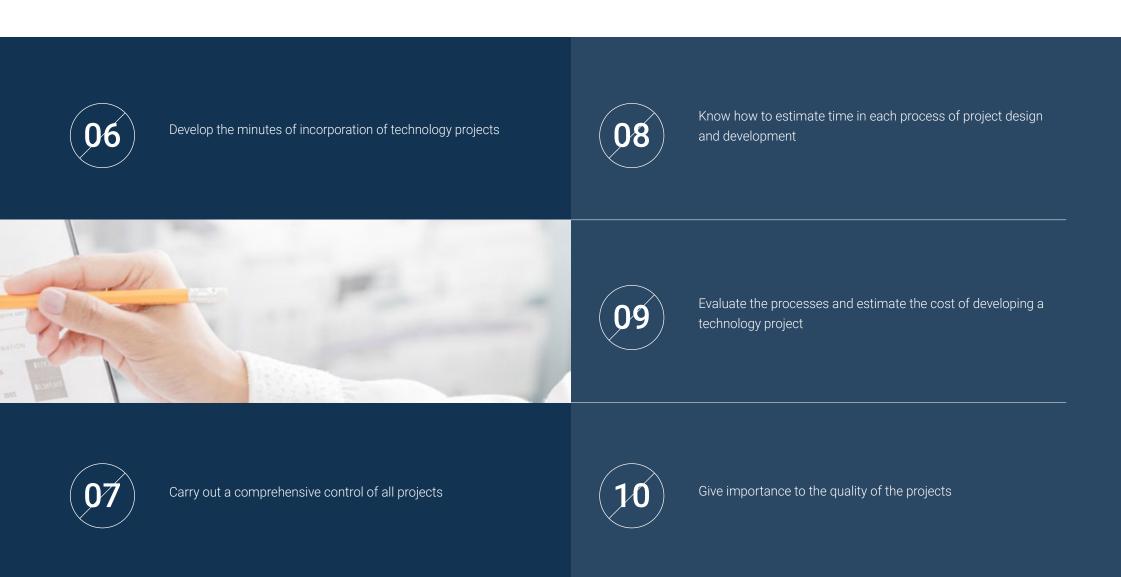




Master advanced business management tools to identify and anticipate opportunities, allocate resources, organize information, select, motivate and manage people, make decisions, achieve proposed objectives and evaluate results



Assume responsibilities and think in a transversal and integrative way to analyze and solve situations in uncertain environments



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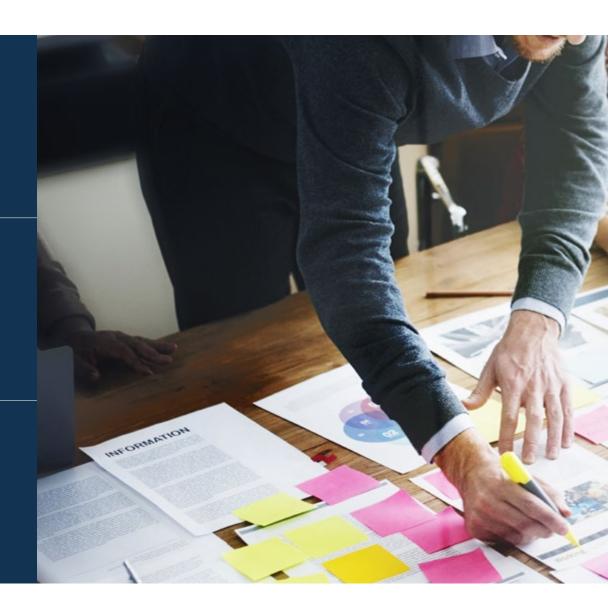
Be able to audit the quality of each of the processes involved in the project design

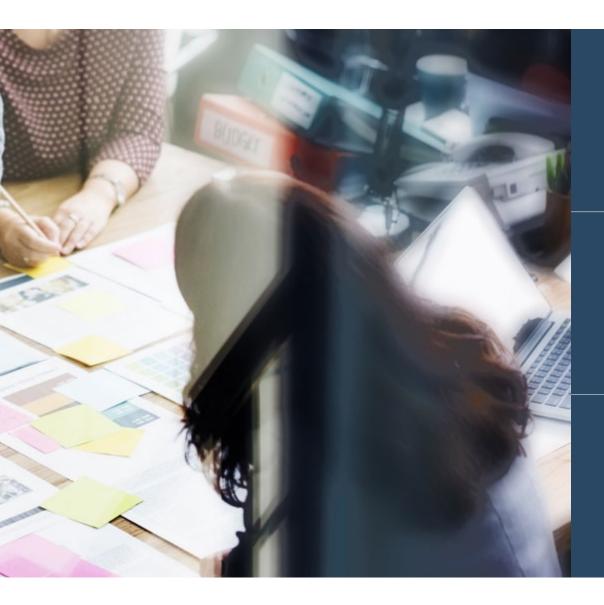
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Understand the cost of failing to meet project quality



Perform quality controls at each stage of the project







Acquire techniques and skills to manage human resources and be able to resolve conflicts in the team

15

Know the emerging trends in the market



Develop Communicative skills





tech 22 | Structure and Content

Syllabus

The Postgraduate Diploma in Quality, Risk and Procurement Management of a Technology Project is structured in a program that covers the role of a project manager, the application of best practice standards, SWOT analysis and the control of the legal framework of procurement for a technological project. It is, therefore, an intense curriculum developed by experts in the sector to guarantee the student a real and current vision of the professional panorama they face

TECH prepares future graduates to face the challenges that may arise and to make business decisions both nationally and internationally, within the relevant regulatory framework for the proper development of their work functions

Throughout the syllabus, structured in four modules, all the aspects of quality management of Technological Projects, their management and procurement, learning the key concepts in this field, the processes of identification, definition, unification and coordination and the mastery of human resources will be discussed and analyzed

A journey that will lead students to the analysis of the keys to success of projects in different environments, and to the reflection on the essential management of time on their way to efficiency, cost management, quality, resources, communications, risk assessment, and procurement and certification management

Module 4.

The program covers in depth all the financial areas that are part of the company and is designed so that the future senior manager is trained for the proper functioning of the current Technology Projects. All this from a strategic, international and innovative perspective under a methodology that gives the student his own organization to carry out this degree, comfortably from any device with internet access, since the program is 100% remote

This Postgraduate Diploma takes place over 6 months and is divided into 4 modules:

Module 1. Introduction to the design and management of technology projects and management of the integration of technology projects
 Module 2. Quality Management Technology Projects
 Module 3. Risk Management of Technological Projects

Management of Technology Project Acquisitions



Where, When and How is it Taught?

TECH offers the student the possibility of studying this Postgraduate Diploma 100% online, facilitating the student's preparation on their own. Over the course of 6 months, students can access the program content at any time they wish, allowing them to self-manage their study time.

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

tech 24 | Structure and Content

Mod	lule 1. Introduction to the design and ma	ınagen	nent of technology projects and man	agement	of the integration of technology projec	ts	
1.1. 1.1.1.	Introduction to Technology Project Management Project Manager Role	1.2.	Project Management, Program Management and Portfolio Management	1.3.	Standards and Best Practices for the Management of Technological Projects	1.4.	Organizational Influences on Technology Project Design and Management
1.1.2. 1.1.3.	Project Definition Organisational Structure	1.2.1. 1.2.2.	Portfolios, Programs and Projects Strategic Management	1.3.1. 1.3.2. 1.3.3.	Prince 2 PMP ISO 21500:2012	1.4.1. 1.4.2.	Environmental Factors in an Enterprise Process Assets of an Organization
1.5.1 1.5.2 1.5.3.	Management Life Cycle of Technology Projects Process Groups	1.6. 1.6.1. 1.6.2.	Development of the Act of Incorporation of Technological Projects Definition of the Act of Incorporation of Technological Projects Tools and Techniques	1.7. 1.7.1. 1.7.2.	Development of the Plan for the Design and Management of Technological Projects Definition of the Plan for the Design and Management of Technological Projects Tools and Techniques	1.8. 1.8.1. 1.8.2.	Knowledge Management of Technological Projects Importance of Knowledge Management in Technology Projects Tools and Techniques
1.9.1. 1.9.2. 1.9.3.	Follow-up Reports on Technological Projects	1.10.1	Integrated Change Control in Technology Projects Project Change Control Objectives and Benefits CCB (Change Control Board) Tools and Techniques	1.11.1	Delivery and Closing of Technological Projects Objectives and Benefits of Closing a Project Tools and Techniques		

Mod	lule 2. Quality Management Technology	/ Proje	cts				
2.1. 2.1.1. 2.1.2. 2.1.3. 2.1.4. 2.1.5.	Differences between Quality and Grade Precision Accuracy	2.2.1. 2.2.2. 2.2.3. 2.2.4. 2.2.5. 2.2.6.	Joseph Juran Pareto Principle 2.2.3.1. "Fitness for Use" Theory	2.3.1. 2.3.2. 2.3.3. 2.3.4. 2.3.5. 2.3.6.	Background and History Objectives and Characteristics Process Group-Subject Group ISO 21500 vs. PMBOK	2.4.1. 2.4.2. 2.4.3. 2.4.4. 2.4.5. 2.4.6.	Emerging Trends and Practices in Quality Management Policy Compliance and Auditing Standards and Compliance Continuing Improvement Stakeholders Involvement Recurring Retrospectives Subsequent Retrospectives
2.5. 2.5.1. 2.5.2. 2.5.3. 2.5.4. 2.5.5. 2.5.6. 2.5.7.	Test and Inspection Planning Flow Charts Logical Data Model Matrix Diagram	2.6.5. 2.6.6. 2.6.7.	Non-compliance or Non-conformance Costs Prevention Costs Valuation Costs Internal Failures External Failures	2.7. 2.7.1. 2.7.2. 2.7.3. 2.7.4. 2.7.5. 2.7.6. 2.7.7. 2.7.8. 2.7.9. 2.7.10	Document Analysis Process Analysis Root Cause Analysis Cause-Effect Diagrams	2.8. 2.8.1. 2.8.2. 2.8.3. 2.8.4. 2.8.5. 2.8.6.	Quality Audits What Is an Internal Quality Audit? Different Types of Audits Objectives of an Internal Audit Benefits of Internal Audits Actors Involved in the Internal Audit Procedure of an Internal Audit
2.9. 2.9.1. 2.9.2. 2.9.3. 2.9.4. 2.9.5. 2.9.6. 2.9.7.	Questionnaires and Surveys Performance Reviews Inspection Product Testing/Evaluation						

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Mod	ule 3. Risk Management of Technologic	al Proj	ects				
3.1. 3.1.1. 3.1.2.	Introduction to Risk Management Definition of Risks 3.1.1.1. Threats 3.1.1.2. Opportunities Types of Risks	3.2.2. 3.2.3.	Basic Concepts Severity Attitudes towards Risk Individual Risk Vs General Risk Risk Categories	3.3.	Risk Management: Benefits	3.4.1. 3.4.2.	Trends in Risk Management Non-event Risks Project Resilience Risks in Agile and Adaptive Environments
3.5. 3.5.1. 3.5.2.	Planning Risk Management Develop the Risk Management Plan Tools and Techniques	3.6. 3.6.1. 3.6.2.	Identify Risks Project Risk Register Tools and Techniques		Perform Qualitative Risk Analysis Qualitative Risk Analysis 3.7.1 1. Definition 3.7.1.2. Representation Tools and Techniques	3.8.1. 3.8.2. 3.8.3. 3.8.4. 3.8.5.	Perform Quantitative Risk Analysis Quantitative Risk Analysis: Definition and Representation Tools and Techniques Modelling and Simulation Sensitivity Analysis Contingency Reserve Calculation
3.9. 3.9.1. 3.9.2. 3.9.3. 3.9.4. 3.9.5. 3.9.6.	Risk Response Planning and Implementation Develop the Risk Response Plan Types of Threat Strategies Types of Strategies for Opportunities Reservation Management Tools and Techniques Risk Response Implementation	3.10.1	Risk Monitoring Concept of Risk Monitoring Tools and Techniques				

1.1. I.1.1. I.1.2.	Introduction to Acquisition Management Contract Definition Legal Framework of Acquisitions	4.2.3.	Basic Concepts Contract Definition The Project Manager and the Contract Main Activities Centralized and Decentralized Contracting		Acquisition Management: Benefits Definition of the Procurement Strategy Types of Strategies	4.4.	Acquisitions in Adaptive Environments
4.5.1. 4.5.2.	Types of Contracts Fixed Price Contacts Reimbursable Cost Contracts Time and Materials Contracts		Procurement Documentation Types of Documents in the context of an Acquisition Document Flows in Procurement Management	4.7.1.	Negotiation with Suppliers Supplier Negotiation Objectives Supplier Negotiation Techniques	4.8. 4.8.1. 4.8.2.	Planning Acquisition Management Plan for Acquisition Management Tools and Techniques
4.9.1. 4.9.2.	Procurement Search, Selection and Evaluation of Offers Tools and Techniques Bid Weighting Matrix	4.10.1	Acquisition Monitoring and Control Procurement Monitoring and Control Points by Contract Type Tools and Techniques				



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.



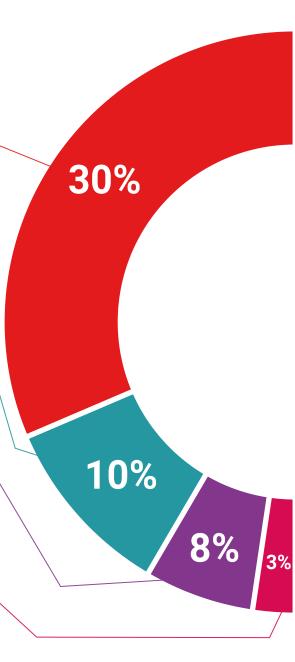
Management Skills Exercises

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.

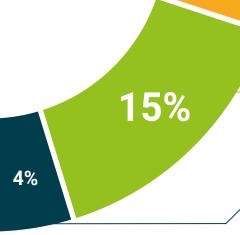


This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

Testing & Retesting

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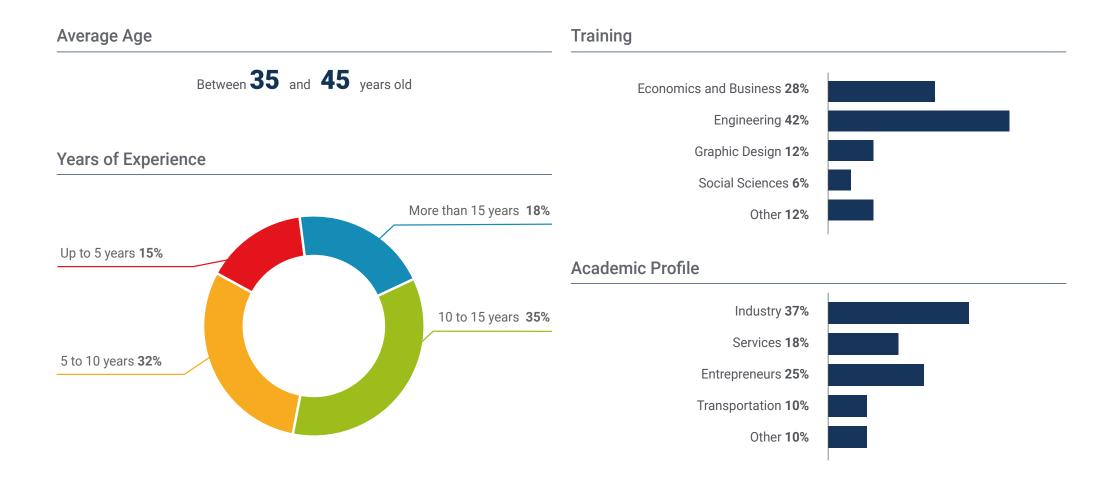
We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



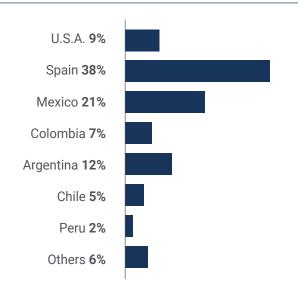
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Geographical Distribution



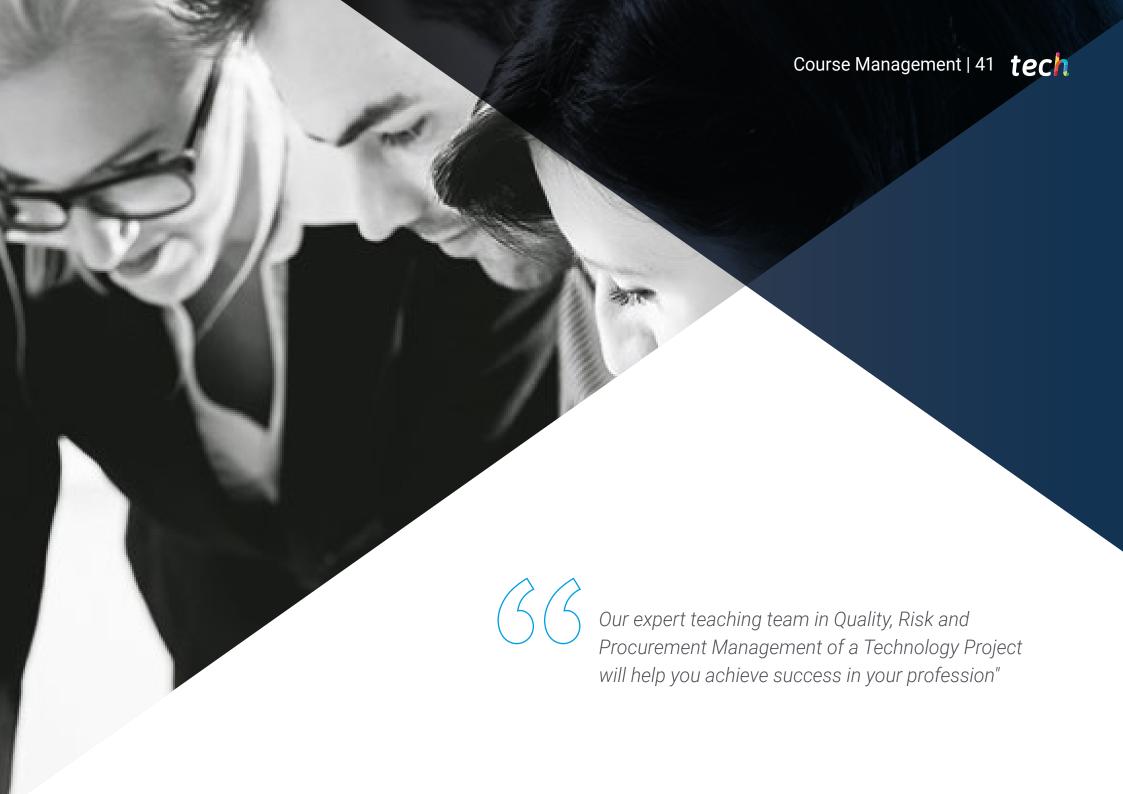


Francisco Díaz

Technology Project Manager

"For the proper functioning of a new R&D&I plan that was delegated to me, I needed to go deeper into the aspects covered by this Postgraduate Diploma, which gave me a complete strategic vision in a very short time, being able to meet the objectives of my business functions."





tech 42 | Course Management

Management



Dr. Romero Mariño, Brunil Dalila

- Database Administration OCREM Association Granada
- Software projects and technological architecture consultant for different companies Venezuela
- University Professor of Computer Science Department of Processes and Systems Simón Bolívar (USB) University Venezuela
- Researcher in Software Engineering and related areas Department of Processes and Systems Simón Bolívar (USB) University Venezuela
- Systems Engineer from Universidad Bicentenaria de Aragua (UBA). Venezuela
- Expert in Communications and Data Communication Networks, Universidad Central de Venezuela (UCV).
- Master's degree in Systems Engineering from Universidad Simón Bolívar (USB) Venezuela
- D. in Information and Communication Technologies from the University of Granada (UGR). Spain







If you want to make a positive change in your profession, the Postgraduate Diploma in Quality, Risk and Procurement Management of a Technology Project will help you achieve it.

Ready to take the leap? Excellent professional improvement awaits

The Postgraduate Diploma in Quality, Risk and Procurement Management of a Technology Project is an intensive program that prepares the student to face challenges and creative and strategic weighty decisions to achieve their objectives. Helping you achieve success is not only their goal, it is also TECH's goal: elite education for all

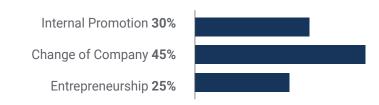
Therefore, those who wish to improve themselves, achieve a positive change at a professional level and interact with the best, will find their place at TECH

Don't miss the opportunity that TECH offers you and invest in your future.

When the change occurs



Type of change



Salary increase

This program represents a salary increase of more than **25%** 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 student 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 student 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 able to work on a real project or develop new projects in the field of R&D or Business Development of their company.



Increased competitiveness

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







tech 54 | Certificate

This **Postgraduate Diploma in Quality, Risk and Procurement Management of a Technology Project** 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 certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by job exchanges, competitive examinations and professional career evaluation committees.

Title: Postgraduate Diploma in Quality, Risk and Procurement Management of a Technology Project

Official N° of Hours: 600 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.



Postgraduate Diploma Quality, Risk and Procurement Management of a Technology Project

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» Exams: online

