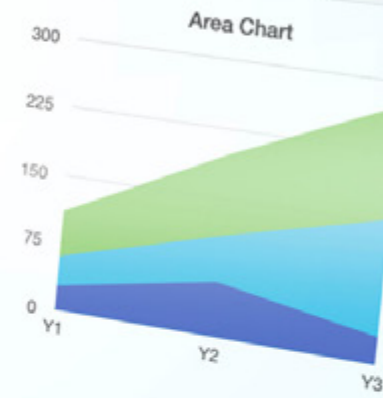
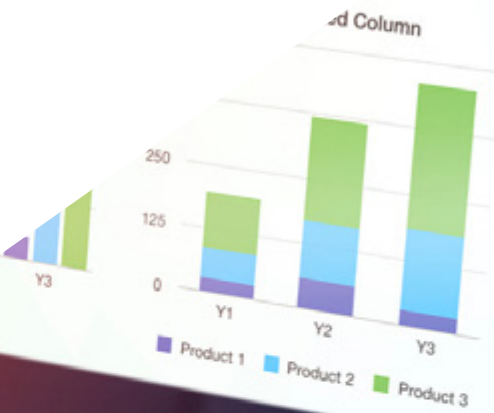


Postgraduate Certificate Principles of Risk Management of a Technology Project

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Yearly Sales by Pr

DESCRIPTION	Y1	Y2
Product A	25	50
Product B	50	100
Product C	100	200
Product D	75	100





Postgraduate Certificate Principles of Risk Management of a Technology Project

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

Website: www.techtute.com/us/information-technology/postgraduate-certificate/principles-risk-management-technology-project

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 16

05

Methodology

p. 20

06

Certificate

p. 28

01

Introduction

Managing and identifying the risks of a Technological Project provides a clear picture of the scenario in which it will work. Therefore, the focus should be on increasing the probability and impact of positive events and decreasing the effect of negative situations. In order to understand these processes, computer scientists can rely on this program, aimed at improving their skills in this field. Therefore, thanks to this qualification, they will be able to pose different scenarios and create hypothetical situations that help to calculate the possible threats to their work. In short, this program will add great value to your professional profile, improving your skills and employability options.



“

Monitor residual risks and evaluate the effectiveness of your prevention plan"

From the moment a project is planned, there are already a number of risks that must be considered. Continuing to move forward on it without this in mind would be a mistake that could culminate in weeks or months of extra work. Therefore, this Postgraduate Certificate in Risk Management Principles of a Technology Project includes all the processes involved in the planning, identification, analysis and planning of events that threaten the success of a project.

Due to the interaction of each of these processes, the student must develop a series of skills that will ensure that they are able to deal with different situations while maintaining a calm attitude. As such, it will have a module dedicated to modeling and simulation, a very useful technique of quantitative analysis that can help reduce the adverse effect of any situation.

On the other hand, the program will also provide the opportunity to develop planning and implementation of a response system to any risk, so that options and actions can be better organized to help solve any problem. This will allow students to monitor and track any negative eventualities in the future.

As a result, with the knowledge provided in the program, the student will be able to make accurate, quick and effective decisions, which will be supported by concrete data on the reality of the job.

The **Postgraduate Certificate in Risk Management Principles of a Technology Project** contains the most complete and up-to-date educational program on the market. The most important features include:

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



Learn how to conduct and organize meetings with the work team to reassess project risks"

Evaluate the priority of identified risks, using the relative probability of occurrence.

“

In the face of any problem that jeopardizes your project, you must remain calm and concentrate on your contingency plan"

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

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

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

The risk planning process should be conducted and completed in the early stages of the project.



02 Objectives

Risk management planning is one of the most important activities in a project. Doing so carefully and explicitly improves the likelihood of success, since you will be perfectly familiar with the terrain you are working in. With this program, students will learn to develop their analytical and organizational skills to achieve this objective and, to do so, they will be provided with a series of tools and strategies that will allow them to model and simulate different work situations. All this in order to find different answers to various scenarios.





“

Elaborate different answers to the problems that may arise by simulating fictitious scenarios"



General Objectives

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





Specific Objectives

- ◆ Define the threats and opportunities of the project, knowing the different types of threats and opportunities
- ◆ Develop a risk management plan using appropriate tools and techniques
- ◆ Establishing a qualitative and quantitative analysis of project risks
- ◆ Plan and implement a response to the potential risks of a technological job

“

Learn how to perform a numerical data driven analysis to identify risks”



03

Course Management

A group of experts who have gained experience in the sector by managing various projects will participate in this Postgraduate Certificate. Thanks to this, students will be able to learn a series of skills, required to detect, monitor, solve and follow up on any threat in a Technology Project. This will represent a great improvement opportunity for those who wish to test their skills and capabilities in a technology team.



“

The teaching staff of this Postgraduate Certificate will help you to find alternative strategies to face risks"

Management



Dr. Romero Mariño, Brunil Dalila

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

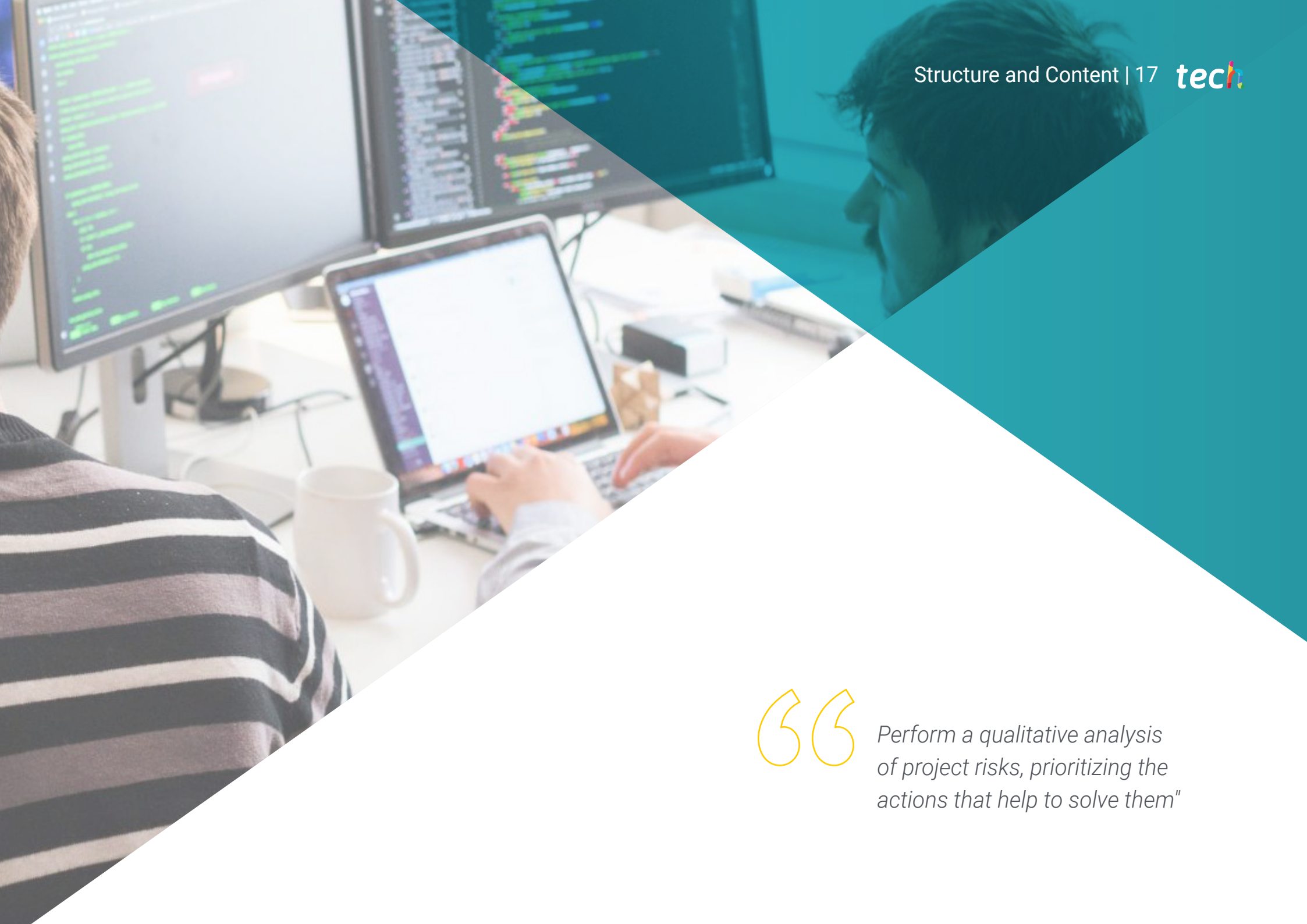


04

Structure and Content

The program is designed to enable the student to define and identify threats to the integrity of the project. For this reason, different concepts will be addressed that will not only allow for the development of an action plan, but also for the improvement of the attitude towards these problems. This way, different practical cases will be provided to exemplify the knowledge imparted and to guarantee the understanding of the contents.





“

Perform a qualitative analysis of project risks, prioritizing the actions that help to solve them”

Module 1. Technology Project Risk Management

- 1.1. Introduction to Risk Management
 - 1.1.1. Definition of Risks
 - 1.1.1.1. Threats
 - 1.1.1.2. Opportunities
 - 1.1.2. Types of Risks
- 1.2. Basic Concepts
 - 1.2.1. Severity
 - 1.2.2. Attitudes Towards Risk
 - 1.2.3. Individual Risk vs. General Risk
 - 1.2.4. Risk Categories
- 1.3. Risk Management: Benefits
- 1.4. Trends in Risk Management
 - 1.4.1. Non-Event Risks
 - 1.4.2. Project Resilience
 - 1.4.3. Risks in Agile and Adaptive Environments
- 1.5. Risk Management Planning
 - 1.5.1. Develop the Risk Management Plan
 - 1.5.2. Tools and Techniques
- 1.6. Risk Identification
 - 1.6.1. The Project Risk Register
 - 1.6.2. Tools and Techniques
- 1.7. Perform Qualitative Risk Analysis
 - 1.7.1. Qualitative Risk Analysis
 - 1.7.1.1. Definition
 - 1.7.1.2. Representation
 - 1.7.2. Tools and Techniques
- 1.8. Perform Quantitative Risk Analysis
 - 1.8.1. Quantitative Risk Analysis: Definition and Representation
 - 1.8.2. Tools and Techniques
 - 1.8.3. Modelling and Simulation
 - 1.8.4. Sensitivity Analysis
 - 1.8.5. Contingency Reserve Calculation





- 1.9. Risk Response Planning and Implementation
 - 1.9.1. Develop Risk Response Plan
 - 1.9.2. Types of Threat Strategies
 - 1.9.3. Types of Strategies for Opportunities
 - 1.9.4. Reserves Management
 - 1.9.5. Tools and Techniques
 - 1.9.6. Implementation of Risk Response
- 1.10. Risk Monitoring
 - 1.10.1. Risk Monitoring Concepts
 - 1.10.2. Tools and Techniques

“*Monitor and control project threats by performing variance and trend analysis*”

05 Methodology

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

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





“

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

Case Study to contextualize all content

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

“

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



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



A learning method that is different and innovative

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

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

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

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

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

Relearning Methodology

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

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

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

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

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



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

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

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

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

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



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



Study Material

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

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



Classes

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

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



Practising Skills and Abilities

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



Additional Reading

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





Case Studies

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



Interactive Summaries

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

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



Testing & Retesting

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



06 Certificate

The Postgraduate Certificate in Principles of Risk Management of a Technology Project 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 Principles of Risk 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 Certificate** diploma issued by **TECH Technological University** via tracked delivery*.

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

Title: **Postgraduate Certificate in Principles of Risk Management of a Technology Project**

Official N° of hours: 150 h.



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



Postgraduate Certificate Principles of Risk Management of a Technology Project

- » Modality: online
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Postgraduate Certificate

Principles of Risk Management of a Technology Project