Postgraduate Certificate

Resource Management of a Technological Project and Its Processes

tech technological university

Postgraduate Certificate
Resource Management of a Technological Project and Its Processes

- » Modality: **online**
- » Duration: **6 weeks**
- » Certificate: **TECH Technological University**
- » Dedication: **16h/week**
- » Schedule: **at your own pace**
- » Exams: **online**
- » Target Group: **professionals in the technology area who want to take on the management of companies and projects of this nature**

Website: **www.techtitute.com/in/school-of-business/postgraduate-certificate/resource-management-technological-project-its-processes**

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01
Welcome

By taking this academic program, the professional will be able to learn how to perform timely media management for technological projects that seek to estimate, plan, coordinate and optimize the available resources in order to achieve an objective, within a given time frame and under specific requirements. This field, fundamental in any kind of project, is even more important when it is a technological project. Therefore, students graduating from this program will see an exponential increase in their management skills and a noticeable improvement in their daily practice.

Postgraduate Certificate in Resource Management of a Technological Project and Its Processes.
TECH Technological University

Academic programs of this magnitude are the ones that succeed in training the best professionals in the industry are you one of them?"

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.

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" *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

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

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"

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.

Why Our Program?

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

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

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

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

01

A significant career boost

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

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

02

Develop a strategic and global vision of companies

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

Our global vision of companies will improve your strategic vision.

03

Consolidate the student's senior management skills

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

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

04

Take on new responsibilities

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

45% of graduates are promoted internally.

05 Access to a powerful network of contacts

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

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

06 Thoroughly develop business projects

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

20% of our students develop their own business idea.

07 Improve soft skills and management skills

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

Improve your communication and leadership skills and enhance your career.

08 Be part of an exclusive community

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

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

04
Objectives

If the student wants to learn how to manage projects in the technological field, having full knowledge of how to guarantee and optimize the use of resources, then this academic program is for them. World-class professionals will be on hand to help you acquire new professional skills that will ease your path and open up new avenues towards achieving your professional and personal goals.

"
TECH's objective is clear. Bring to the labor market the most prepared professionals at the forefront of the sector"

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

The **Postgraduate Certificate in Resource Management of a Technological Project and Its Processes** enables students to:

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

02 Develop the ability to analyze and diagnose business and management problems in the different areas of knowledge of project management.

03 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.

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

05 Take responsibility and think in a transversal and integrative way to analyze and solve situations in uncertain environments

05
Structure and Content

Professionals in the 21st century need innovative training that allows them to study while continuing to perform their work duties. Therefore, this Postgraduate Certificate in Resource Management of a Technological Project and Its Processes is a program tailored to the student that is taught in a 100% online format so that they can decide the time and place that best suits their availability, schedule and interests. In addition, it stands out for having the most complete and up to date content library in the sector to offer students a wide range of academic possibilities.

A program that takes place over 6 weeks and is intended to be a unique and stimulating experience.

" *The most complete content on the market will accompany you throughout your training process"*

Syllabus

The contents of this Postgraduate Certificate are aimed at professionals who want to develop their work activity in the field of technological projects. Specifically, this training is ideal for those students who want to receive intensive information on everything related to the management of the resources of a given job.

In this sense, resource management is understood as those tasks that are based on calculating, organizing and coordinating work to ensure that the use of available assets is optimized to achieve an objective within a given time frame, at a specific cost and under specific requirements.

To this end, the program's agenda will address general aspects of resource management such as the planning and selection of the necessary assets, not only at the material level, but also at the human level, and will delve into more specific issues such as the management of equipment to optimize its use.

All this development will be carried out by professionals recognized and valued worldwide. In this way, the student learns from the best in the sector and is provided with the most effective learning system on the market and a stimulating and attractive training process.

Another key to the success of this program is the possibility of being the student themselves who decides how they organize their learning: from the time, to the place and intensity of study. In this way TECH ensures that this effort is fully compatible with personal and professional life. So that you never lose motivation.

In this sense, the program is 100% online, although the student can download the contents, to continue offline if desired.

The student will also have access to illustrative videos, review audios, an online library with complementary material and the help and support of a tutor throughout the process.

This Postgraduate Certificate is developed over **6 week** and is divided into 1 module:

| Module 1 | Management of Technology Project Resources |

Where, when and how is it taught?

TECH offers students the possibility of taking this program completely online. During the 6 months of training, will be able to access all the contents of this program at any time, which will allow the student to self manage study time.

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

Module 1. Management of Technology Project Resources

1.1. Responsibilities and Role of Project Human Resources:

1.1.1. Project Manager
1.1.2. Sponsor
1.1.3. Functional Director
1.1.4. Program Director
1.1.5. Portfolio Manager
1.1.6. Team members

1.2. Management of Technological Resources

1.2.1. What are Technology Resources?
1.2.2. Optimization
1.2.3. Valuation
1.2.4. Protection

1.3. Human Resource Management Planning and Estimating Activity Resources

1.3.1. Resource Management Plan
    1.3.1.1. Data Representation
    1.3.1.2. Organizational Theory
1.3.2. Resource Requirements
1.3.3. Basis of Estimates
1.3.4. Resource Breakdown Structure
1.3.5. Resource Document Updates

1.4. Different Powers of the Project Manager

1.4.1. Power and Influence
1.4.2. Reward Power
1.4.3. Power of Punishment
1.4.4. Expert Power
1.4.5. Reference Power
1.4.6. Formal Power
1.4.7. Practical Exercises on How to Use the Different Powers of the Project Manager

1.5. Acquisition of the Appropriate Project Equipment for our Project

1.5.1. What is Equipment Acquisition?
1.5.2. Means of Equipment Acquisition
    1.5.2.1. Hiring
    1.5.2.2. Outsourcing

1.5.3. Decision-Making
    1.5.3.1. Availability
    1.5.3.2. Costs
    1.5.3.3. Experience
    1.5.3.4. Skills
    1.5.3.5. Knowledge
    1.5.3.6. Capabilities
    1.5.3.7. Attitudes
    1.5.3.8. International Factors
1.5.4. Pre-Assignment
1.5.5. Virtual Teams

1.6. Development of Interpersonal Skills (Soft Skills):

1.6.1. Leadership.
1.6.2. Motivation
1.6.3. Communication.
1.6.4. Influence
1.6.5. Group Facilitation
1.6.6. Creativity
1.6.7. Emotional Intelligence
1.6.8. Decision-Making

1.7. Project Team Development

1.7.1. Recognition and Rewards
    1.7.1.1. Preconditions to be Met for its Application
    1.7.1.2. Create a Recognition and Reward System
1.7.2. Training
1.7.3. Coubication(*Tight-Matrix*)
1.7.4. Communication technology
1.7.5. Team Building *Activities*

1.8. Project Team Management. Performance Appraisals, Project Team Management

1.8.1. Plan
1.8.2. Types of Assessments
    1.8.2.1. Personal Assessments 360º Assessments
    1.8.2.2. Equipment Assessments
1.8.3. Variables Definition
1.8.4. Design of the Performance Evaluation System
1.8.5. Implementation and Training of Evaluators

1.9. Conflict Management and Resolution Techniques

1.9.1. What Are Project Conflicts? Types
1.9.2. Cooperate and Resolve Problems (*Collaborate/Problem Solve*)
1.9.3. *Compromise/Reconcile*
1.9.4. *Withdraw/Avoid*
1.9.5. *Smooth/Accommodate*
1.9.6. Force/Direct (*Force/Direct*)
1.9.7. Practical Exercises to Know When to use Each Conflict Resolution Technique

1.10. Emerging Trends and Practices in Resource Management for Technology Projects

1.10.1. Methods for Resource Management
1.10.2. Emotional Intelligence (EI)
1.10.3. Self-organized Teams
1.10.4. Virtual Teams/Distributed Teams
1.10.5. Considerations for Adaptation
1.10.6. Considerations for Agile/ Adaptive Environments

07
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.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

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.

30%

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.

10%

8%

3%

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.

30%

15%

4%

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.

Our Students' Profiles

This Postgraduate Certificate in Resource Management of a Technological Project and Its Processes is a program aimed at professionals who want to update their knowledge and advance in their professional career. This program uses a multidisciplinary approach as the students have a diverse set of academic profiles and represent multiple nationalities.

We offer you the best methodology and the best curriculum to help you reach the top"

Average Age

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

Years of Experience

Over 15 years **18%**

Up to 5 years **15%**

From 10 to 15 years **35%**

From 5 to 10 years **32%**

Training

Economics and Business **28%**

Engineering **42%**

Design **12%**

Social Sciences **6%**

Other **12%**

Academic Profile

Industry **37%**

Services **18%**

Entrepreneurs **25%**

Transportation **10%**

Other **10%**
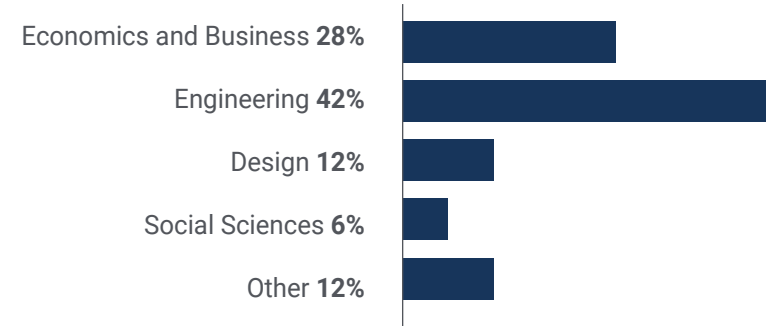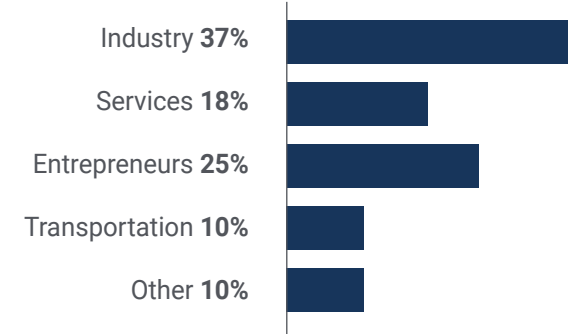
Geographical Distribution

USA **9%**

Spain **38%**

Mexico **21%**

Colombia **7%**

Argentina **12%**

Chile **5%**

Peru **2%**

Other **6%**
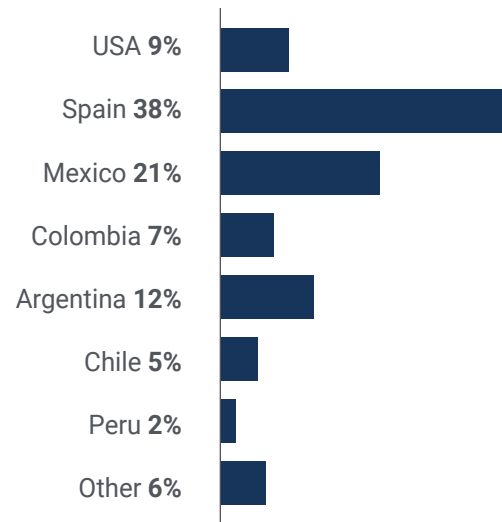
Francisco Díaz

Technological Project Manager

"I am a project manager in technology projects, however, I noticed that I needed an extra qualification in the field of outreach. That's why I decided to do this Postgraduate Certificate and I couldn't be happier. It has been a complete educational immersion and I recommend it to anyone who wants to delve deeper into this area"

Impact on Your Career

TECH is aware that studying a program like this entails great economic, professional and, of course, personal investment. The ultimate goal of this great effort should be to achieve professional growth.

For this reason, TECH puts all its efforts and tools at the student's disposal, so that they can acquire the skills and abilities required to achieve this change.

" *We are fully committed to help you achieve the professional change you desire*"

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

This intensive TECH program prepares students to face challenges and decisions in Technology Project Management. The main objective is to promote personal and professional growth. Helping students achieve success.

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.

Do not miss the opportunity to learn with us and you will find the improvement you were looking for.

If you want to make a positive change in your profession, this is your opportunity.

When the change occurs

During the program	During the first year	After 2 years
21%	**43%**	**36%**

Type of change

Internal Promotion **30%**

Change of Company **45%**

Entrepreneurship **25%**
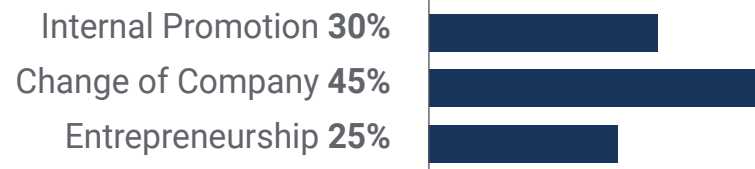
Salary increase

This program represents a salary increase of more than **25%** for our students.

Salary before	A salary increase of	Salary after
57,900 €	**25.22%**	**72,500 €**

Benefits for Your Company

The Postgraduate Certificate in Resource Management of a Technological Project and Its Processes helps raise the organization's talent to its maximum potential by training high level leaders. Therefore, participating in this academic program will not only improve you on a personal level, but, above all, on a professional level, enhancing your training and improving your managerial skills. Additionally, joining TECH's educational community is a unique opportunity to access a powerful network of contacts in which to find future professional partners, clients, or suppliers.

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"

After studying with us you will be able to bring new approaches and strategies to your company that will be a bonus for its development"

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

01

Intellectual Capital and Talent Growth

The executive will introduce the company to new concepts, strategies, and perspectives that can bring about significant 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 manager 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.

Project Development

05

The manager 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

06

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

10
Certificate

The Postgraduate Certificate in Resource Management of a Technological Project and Its Processes 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 Resource Management of a Technological Project and Its Processes.** 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 in the **Postgraduate Certificate**, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Resource Management of a Technological Project and Its Processes**

Official Nº of hours: **150 h.**

tech technological university

Awards the following
CERTIFICATE
to
Mr./Ms. _____, with identification number _____.
For having passed and accredited the following program

POSTGRADUATE CERTIFICATE
in
Resource Management of a Technological
Project and Its Processes

This is a qualification awarded by this University, equivalent to 150 hours, with a start date of
dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as
of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.   Unique TECH Code: AFWORD23S   techtitute.com/certificates

*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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