

Postgraduate Certificate Services and Solutions for the Digital Sector in Industry 4.0





Postgraduate Certificate Services and Solutions for the Digital Sector in Industry 4.0

- » Modality: online
- » Duration: 8 weeks
- » Certificate: TECH Global University
- » Accreditation: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/information-technology/postgraduate-certificate/servicios-soluciones-sector-digital-industria-4-0

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01

Introduction

New technologies offer companies the possibility of automating their processes and performing complex tasks with greater simplicity. As a result, they are able to optimize their operations, spending less time on operations and significantly reducing the costs of their activity. Given the economic and productive benefits of ICT, more and more organizations are opting to undertake a Digital Transformation process, for which they need specialized IT specialists in the field. This is why TECH has designed this program, which will enable students to explore the design of technological solutions for transportation, tourism, commercial or health companies. In this way, you will boost your career prospects in a sought-after field, exclusively online and without a daily commute to a study center.





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Master, thanks to this program, the digitization procedures applied to mobility, transport or tourism companies"

In recent years, as a result of the popularization of new technologies, digitization has progressively taken hold in tertiary sector companies. In this line, more and more companies in areas such as transportation, product distribution or tourism require first-level digital services to meet the needs of their users. They also require this type of services to facilitate the tasks of their workers, mechanize routine tasks and increase their productivity. Therefore, the computer scientist specialized in the implementation of software solutions is widely required in today's business environment.

For this reason, TECH has promoted the creation of this program, which will provide students with the best knowledge to undertake a successful Digital Transformation in various areas of the tertiary sector. Through this educational pathway, you will identify the particular technological characteristics of the transportation field or analyze the key factors of digitization in the healthcare field. Likewise, it will assimilate the protocols to establish this process in the world of logistics and tourism management.

This Postgraduate Certificate is developed through a complete 100% online methodology, which enables the computer scientists to perfectly combine their learning process with their personal and professional obligations. In addition, you will benefit from excellent training materials developed by active experts in the field of business technology solutions. Consequently, all the knowledge that the student will acquire will be in tune with the most cutting-edge challenges presented by the sector.

This **Postgraduate Certificate in Services and Solutions for the Digital Sector in Industry 4.0** contains the most complete and up-to-date program on the market. The most important features include:

- ♦ Practical cases presented by experts in digital Transformation.
- ♦ The graphic, schematic, and practical contents with which they are created, provide practical information on the disciplines that are essential for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out 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



Be able to apply innovative digital solutions in the logistics area of companies thanks to this Postgraduate Certificate"



The Relearning method of this educational program will allow you to assimilate the key concepts at your own pace to ensure the effectiveness of your learning"

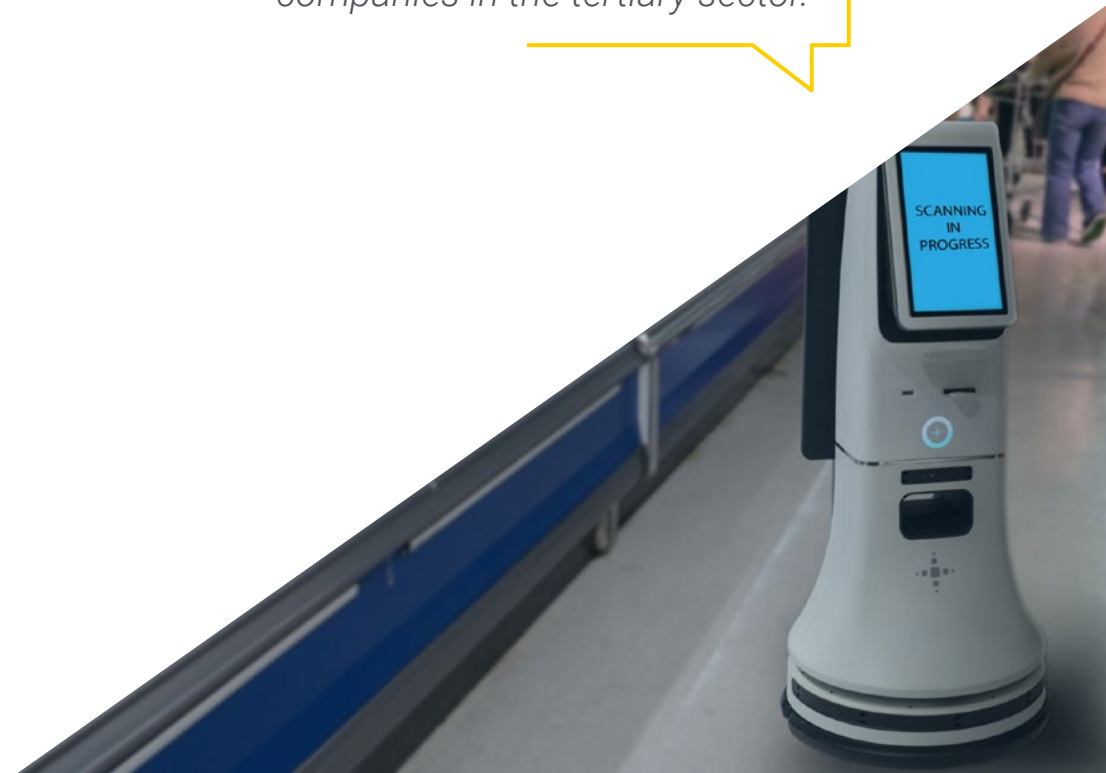
The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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 education programmed to learn 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 educational year. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

Delve into the technological trends of the future and face the challenges presented by the world of business digitization with solvency.

In just 6 weeks, you will complete an excellent specialization in the application of digital solutions for companies in the tertiary sector.



02 Objectives

TECH has designed this Postgraduate Certificate to offer the student the most up-to-date and relevant knowledge in the field of digital solutions for companies and organizations in the tertiary sector. In this way, you will be able to delve into the intricacies of technological transformation in areas as diverse as tourism, logistics and healthcare. All of this, in only 150 hours and taking advantage of didactic resources available in formats such as video, complementary readings or interactive summaries.



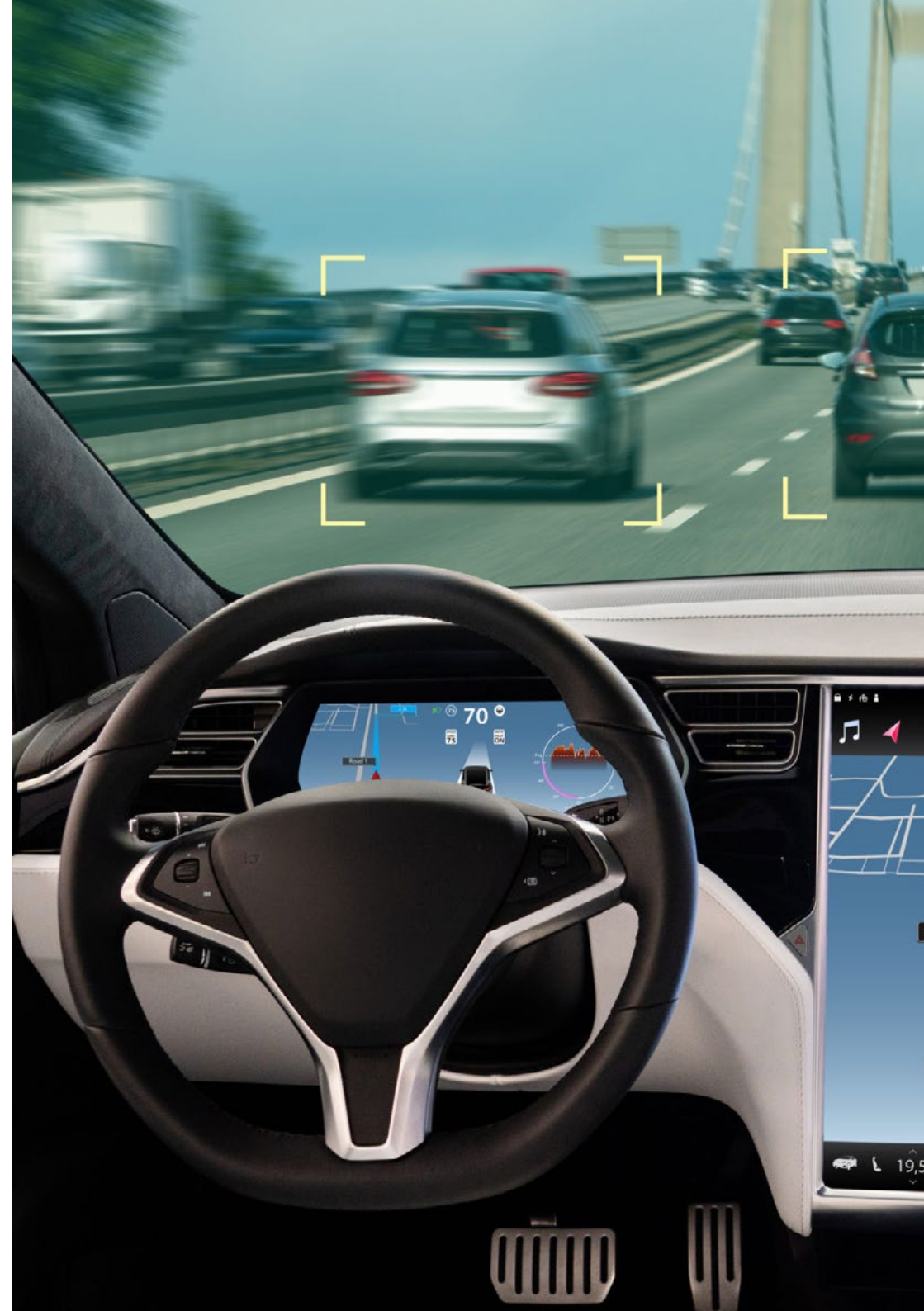
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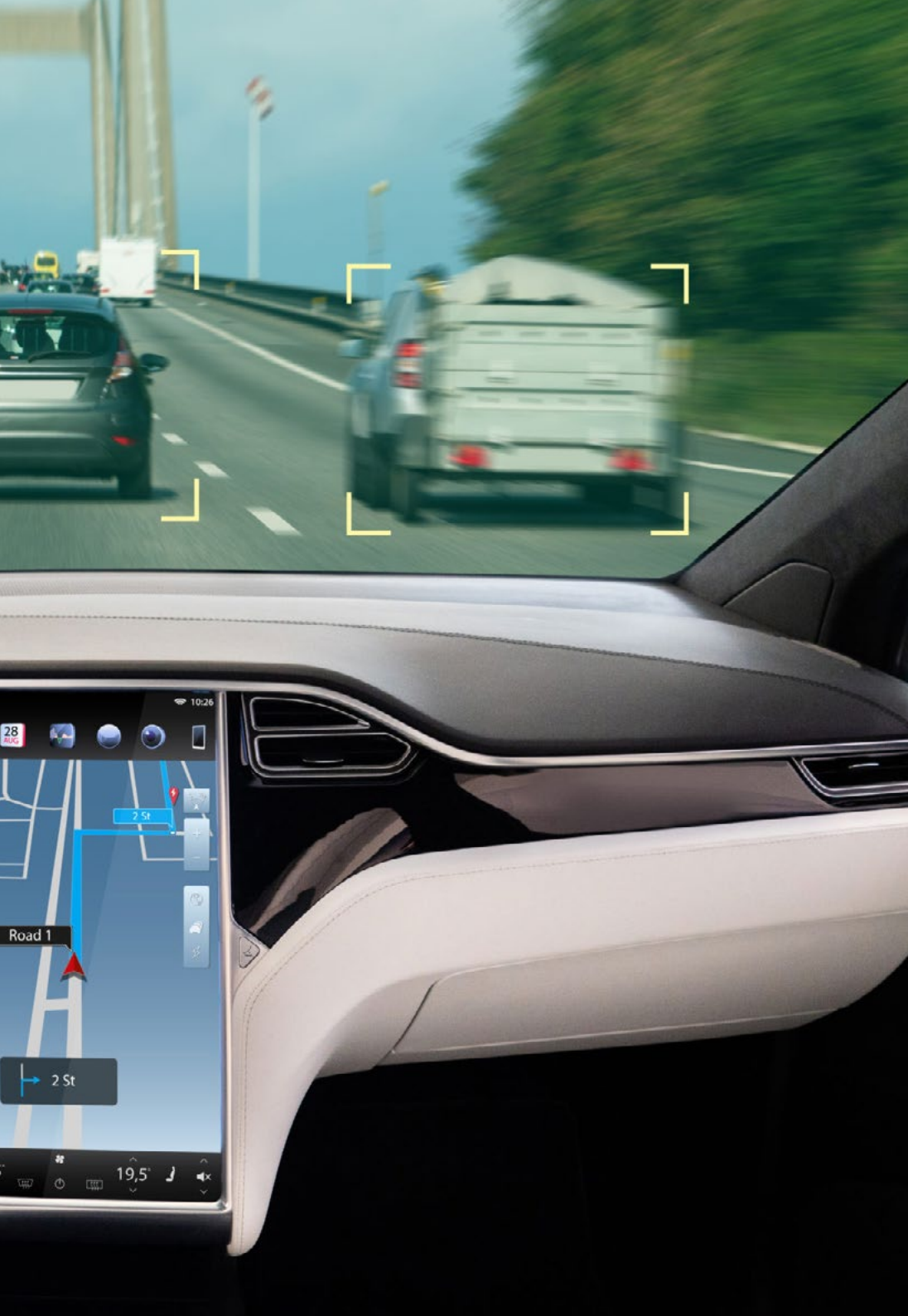
Boost your opportunities to lead the digitization process of the most leading international companies through this program"



General Objectives

- ♦ Conduct a comprehensive analysis of the profound transformation and radical paradigm shift being experienced in the current global digitalization process
- ♦ Provide in-depth knowledge and the necessary technological tools to face and lead the technological leap and the challenges currently present in companies
- ♦ Mastering the digitalization procedures of companies and the automation of their processes to create new fields of wealth in areas such as creativity, innovation and technological efficiency
- ♦ Leading Digital Change





Specific Objectives

- ♦ Possess a thorough understanding of the technological impact and how technologies are revolutionizing the tertiary economic sector in the fields of transportation and logistics, healthcare (E-Health and Smart Hospitals), smart cities, the financial sector (Fintech) and mobility solutions.
- ♦ Knowing the technological trends of the future



Through this Postgraduate Certificate, you will identify the determining factors when it comes to digitalization in the hospital environment"

03

Course Management

In order to guarantee top-level teaching, the teaching staff of this program is made up of excellent specialists who are active in the development of digital solutions for companies in different business sectors. Since these experts are responsible for developing the teaching materials for this Postgraduate Certificate, all the knowledge that the student will acquire will be fully up-to-date.





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This program is directed and taught by experts in the field of technological solutions to provide you with the most professionally applicable knowledge"

Management



Mr. Segovia Escobar, Pablo

- ♦ Chief Executive of the Defense Sector in the Company Tecnobit of the Oesía Group
- ♦ Project Manager at Indra
- ♦ Master's Degree in Business Administration and Management from the National University of Distance Education
- ♦ Postgraduate in Strategic Management Function
- ♦ Member of: Spanish Association of People with High Intellectual Quotient



Mr. Diezma López, Pedro

- ♦ Chief Innovation Officer and CEO of Zerintia Technologies
- ♦ Founder of the technology company Acuilae
- ♦ Member of the Kebala Group for the incubation and promotion of businesses
- ♦ Consultant for technology companies such as Endesa, Airbus or Phone
- ♦ Wearable "Best Initiative" Award in eHealth 2017 and "Best Technological "Solution" 2018 for occupational safety



04

Structure and Content

The syllabus of this program is composed of 1 excellent module with which the computer scientist will specialize in the creation of digital solutions for the service sector. Each of its topics will have excellent teaching materials available in a large number of varied textual and multimedia formats. In this way, and through a 100% online modality, you will enjoy learning adapted to your educational and personal preferences.



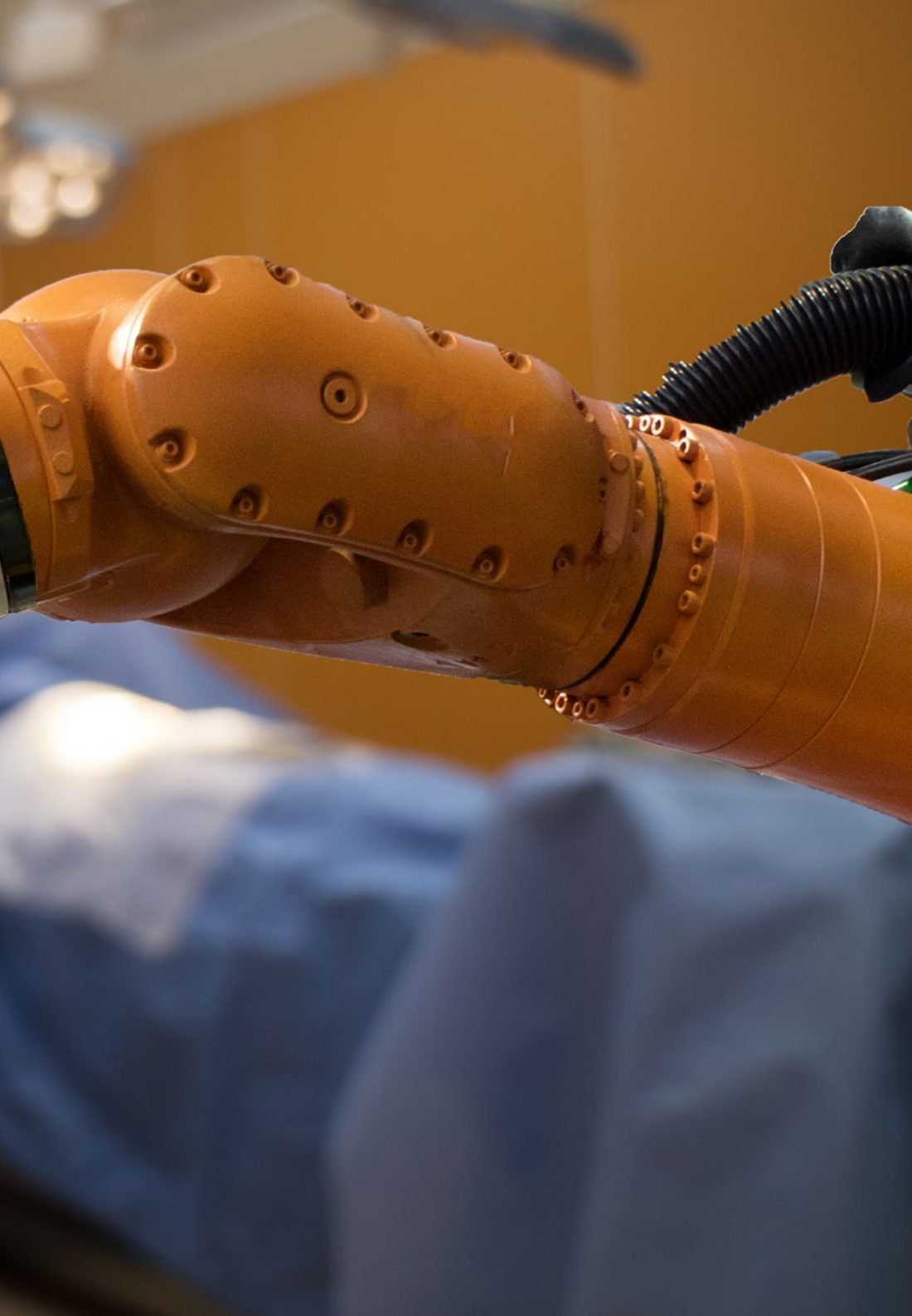
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Enjoy excellent didactic materials designed by the best specialists in the application of digital solutions for companies in different areas of activity"

Module 1. Industry 4.0 Services and Solutions II

- 1.1. Tertiary Sector Solutions
 - 1.1.1. Tertiary Economic Sector
 - 1.1.2. Characteristics of Each Subsector
- 1.2. Digitalization of the Tertiary Sector: Transportation
 - 1.2.1. Main Characteristics
 - 1.2.2. Keys Factors of Digitization
- 1.3. Digitization of the Tertiary Sector: E-Health
 - 1.3.1. Main Characteristics
 - 1.3.2. Keys Factors of Digitization
- 1.4. Digitization of the Tertiary Sector: Smart Hospitals
 - 1.4.1. Main Characteristics
 - 1.4.2. Keys Factors of Digitization
- 1.5. Digitization of the Tertiary Sector: Smart Cities
 - 1.5.1. Main Characteristics
 - 1.5.2. Keys Factors of Digitization
- 1.6. Digitalization of the Tertiary Sector: Logistics
 - 1.6.1. Main Characteristics
 - 1.6.2. Keys Factors of Digitization
- 1.7. Digitalization of the Tertiary Sector: Tourism
 - 1.7.1. Main Characteristics
 - 1.7.2. Keys Factors of Digitization
- 1.8. Digitization of the Tertiary Sector: Fintech
 - 1.8.1. Main Characteristics
 - 1.8.2. Keys Factors of Digitization
- 1.9. Digitalization of the Tertiary Sector: Mobility
 - 1.9.1. Main Characteristics
 - 1.9.2. Keys Factors of Digitization
- 1.10. Future Technological Tendencies
 - 1.10.1. New Technological Innovations
 - 1.10.2. Application Trends





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Take this TECH program and get the opportunity to learn through cutting-edge media such as video or interactive summary”

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.



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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.



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

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 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.



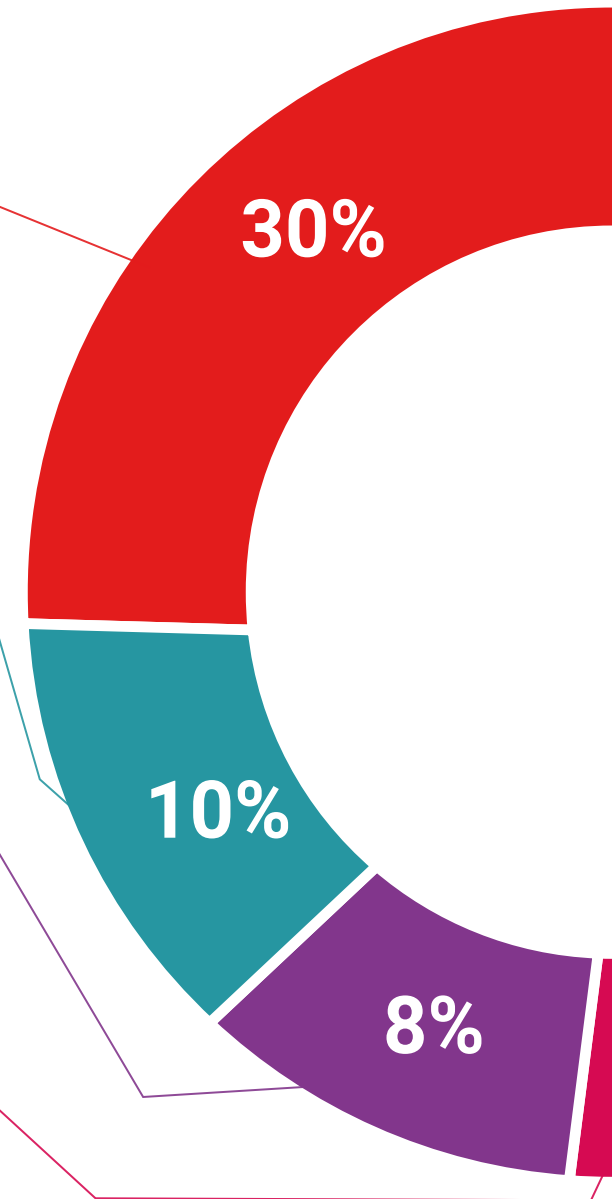
Practising Skills and Abilities

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 Services and Solutions for the Digital Sector in Industry 4.0 guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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

This private qualification will allow you to obtain a **Postgraduate Certificate in Services and Solutions for the Digital Sector in Industry 4.0** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

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Postgraduate Certificate

Services and Solutions for the Digital Sector in Industry 4.0

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