

# Postgraduate Certificate Interactive Systems





## Postgraduate Certificate Interactive Systems

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

Website: [www.techtute.com/pk/information-technology/postgraduate-certificate/interactive-systems](http://www.techtute.com/pk/information-technology/postgraduate-certificate/interactive-systems)

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# 01

# Introduction

Artificial intelligence is gaining ground in all human areas on a daily basis. Graphic design finds in this kind of developments an exciting and expanding way of working. Knowing all the tools and methodologies in these Interactive Systems is essential. In order to achieve this in a simple way, we offer the opportunity to acquire the skills of a specialized professional through a program that will ensure job growth without conciliation problems. A unique opportunity for development and promotion.



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*A high-intensity program that will allow you to work with the solvency of the best professionals in the sector"*



This Postgraduate Certificate in Interactive Systems has been created to offer an interesting, interactive and, above all, very effective process to learn everything related to the subject. To achieve this, a clear and continuous growth path is offered, which is also 100% compatible with other occupations.

Through an exclusive methodology, this Postgraduate Certificate will lead you to know all the characteristics that the professional needs to stay at the forefront and knowledge the changing phenomena of this form of communication.

Therefore, this program will address the aspects that a designer needs to know in order to perform their functions with confidence. A formative program that will help students to achieve success in the challenges of a first-class professional.

The Postgraduate Certificate in Interactive Systems is presented as a viable option for a professional who decides to work independently but also to be part of any organization or company. An interesting avenue of professional development that will benefit from the specific knowledge that we now make available to you in this program.

This **Postgraduate Certificate in Interactive Systems** contains the most complete and up-to-date program on the market. The most important features include:

- ♦ Graphic, schematic, and highly practical contents
- ♦ The latest developments and cutting-edge advances in this field
- ♦ Practical Exercises where the Self-assessment Process can be Carried Out in Order to Improve Learning
- ♦ Innovative and highly efficient 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.

“All the necessary knowledge for graphic designers in this field, compiled in a highly efficient Postgraduate Certificate program, which will optimize your effort with the best results”

“

*This Postgraduate Certificate is the best investment you can make when choosing a refresher program to expand your existing knowledge of Interactive Systems”*

The development of this Postgraduate Certificate is focused on the practice of the proposed theoretical learning. Through the most effective teaching systems, proven methods imported from the most prestigious universities in the world, you will be able to acquire new knowledge in a practical way. In this way, TECH strives to convert its efforts into real and immediate competencies.

The online system is another strength of the educational program. With an interactive platform that has the advantages of the latest technological developments, the most interactive digital tools made available. This way, it is possible to offer a way of learning that is totally adaptable to students' needs, so they can perfectly combine this program with their personal or working life.

*A practical and intensive program that will give you all the tools you need to work in this field, in a specific and concrete Postgraduate Certificate.*

*A program created to allow you to implement your acquired knowledge into your daily practice in an almost immediate way.*



# 02 Objectives

The objective of this Postgraduate Certificate in Interactive Systems is to offer professionals a complete program to acquire knowledge and skills for professional practice in this sector, with the confidence of learning from the best and a form of learning based on practice that will allow the student to complete the program with the necessary knowledge to work with total confidence and competence.





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*An opportunity created for professionals who are looking for an intensive and effective course with which to take a significant step forward in their profession”*



## General Objective

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- ◆ Know how to work with graphic design in Interactive Systems



*Take the step to get up to date  
on the latest developments in  
Interactive Systems"*





## Specific Objectives

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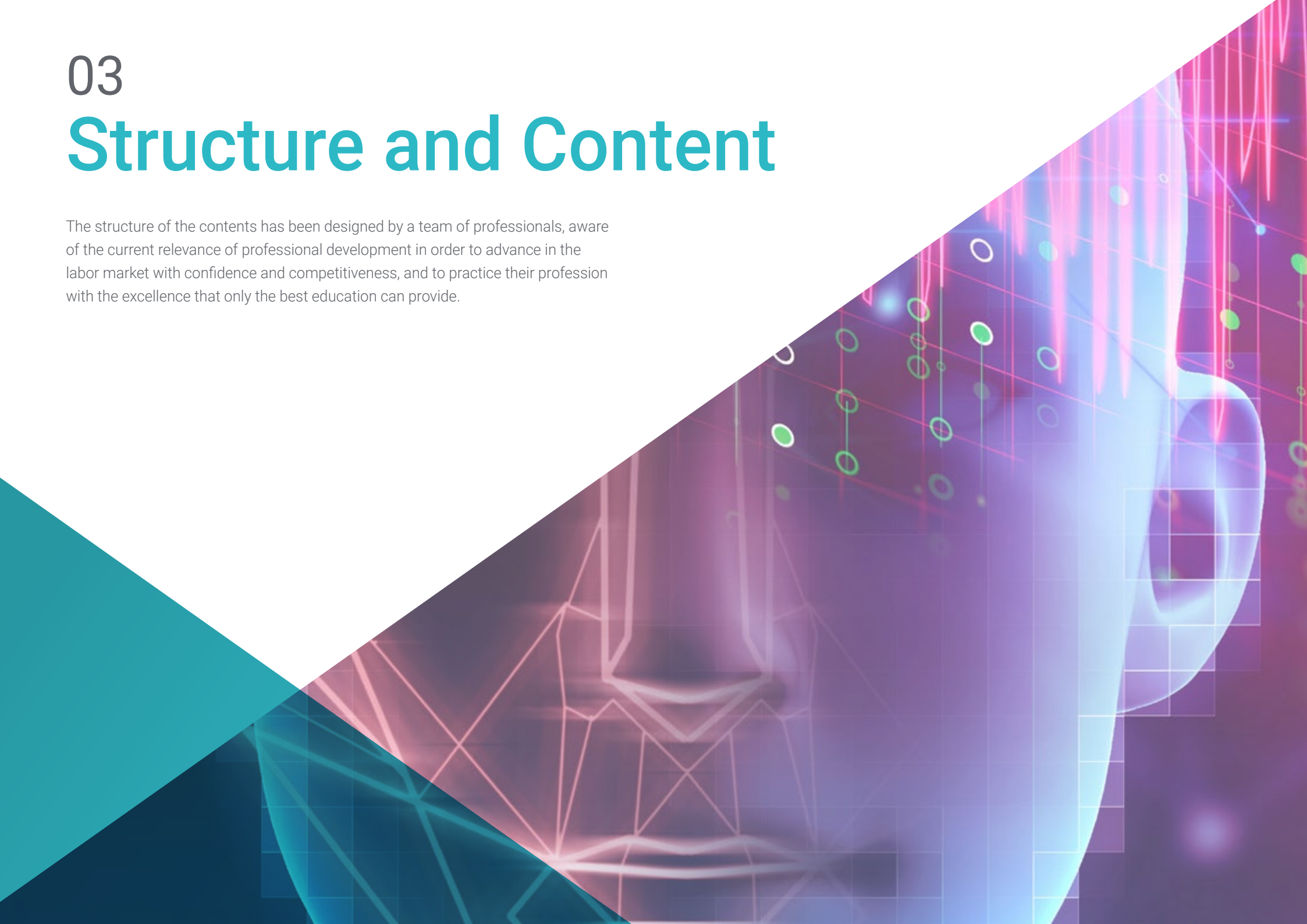
- ♦ Analyze the economic, social, cultural and historical context in which design is currently developing in order to find new fields of research and experimentation
- ♦ Act as mediators between technology, art and design, between ideas and purposes, between culture and commerce
- ♦ Propose research and innovation strategie
- ♦ Communicate ideas and projects clearly, argue reasonably, know how to evaluate proposals and channel dialogue
- ♦ Have the ability to represent innovative ideas and projects in a clear way
- ♦ Acquire the ability to debate in a reasoned manner and defend one's principles and ideas, while respecting the critical consideration of the opinions expressed



03

# Structure and Content

The structure of the contents has been designed by a team of professionals, aware of the current relevance of professional development in order to advance in the labor market with confidence and competitiveness, and to practice their profession with the excellence that only the best education can provide.



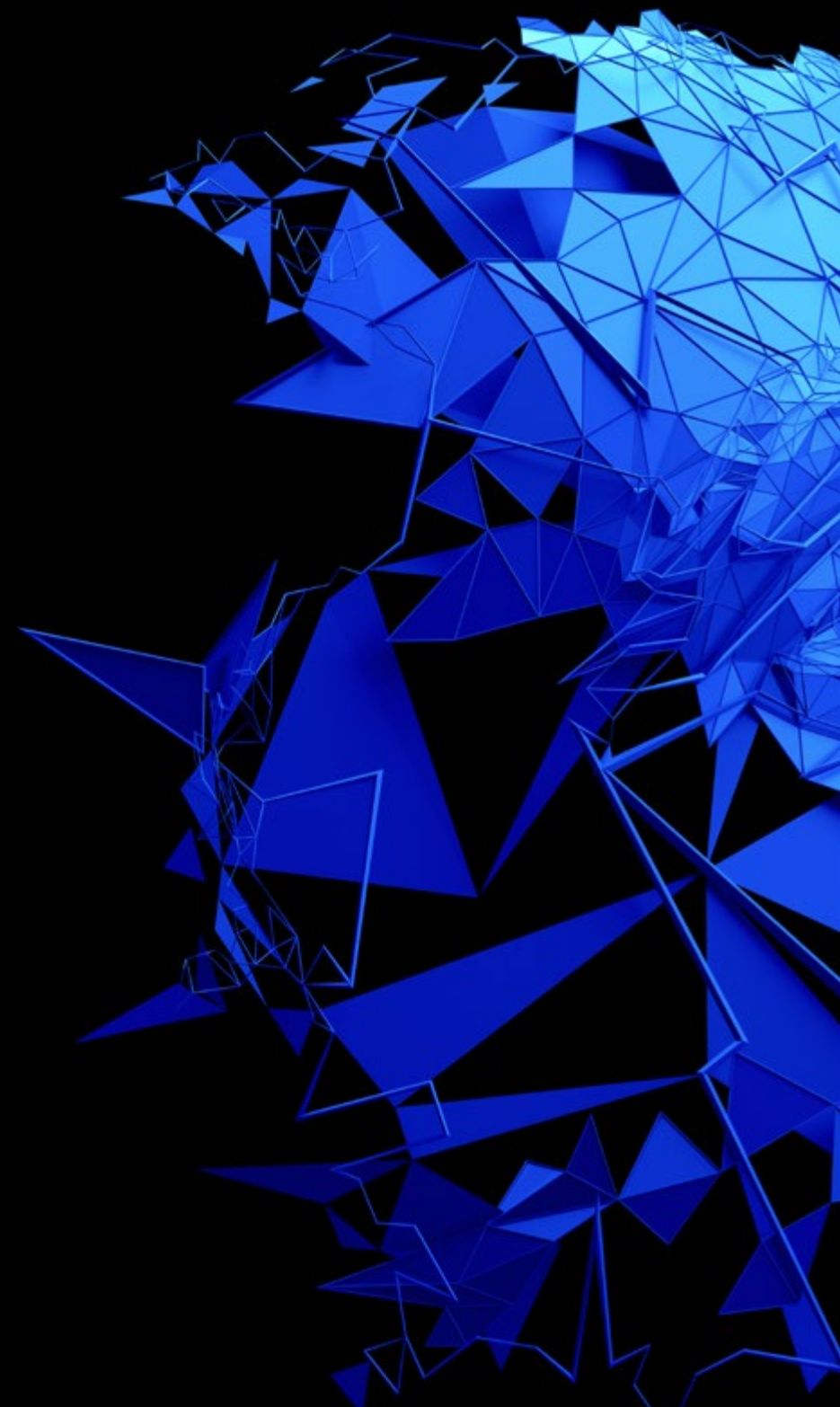


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*This Postgraduate Certificate contains the most complete and up-to-date program on the market”*

## Module 1. Interactive Systems

- 1.1. Introduction to Interactive Systems
  - 1.1.1. What Is an Interactive System?
  - 1.1.2. Artificial Intelligence
  - 1.1.3. Types of Artificial Intelligence
  - 1.1.4. Applications of Artificial Intelligence
- 1.2. History of Artificial Intelligence
  - 1.2.1. When Do We Start Talking About Artificial Intelligence?
  - 1.2.2. References in Film
  - 1.2.3. Importance of Artificial Intelligence
  - 1.2.4. Technologies that Enable and Support Artificial Intelligence
- 1.3. Robotics
  - 1.3.1. What does it consist of?
  - 1.3.2. Brief History of Robotics
  - 1.3.3. Classification of Robots
  - 1.3.4. Robotics in Different Media
- 1.4. New Interaction Elements
  - 1.4.1. Six Robotics Laws Proposed by the European Parliament
  - 1.4.2. Voice-Enabled Virtual Assistants
  - 1.4.3. The Future of Artificial Intelligence
  - 1.4.4. Debate: Should We Be Afraid of New Forms of Technology?
- 1.5. Introduction to the Universe of Videogames
  - 1.5.1. Video Games
  - 1.5.2. General Characteristics
  - 1.5.3. Genre
  - 1.5.4. Videogame Player
- 1.6. Videogame History
  - 1.6.1. Beginnings
  - 1.6.2. 1970-1979: The Emergence of Videogames
  - 1.6.3. 1980-1989: The 8-Bit Decade
  - 1.6.4. 1990-1999: The 3D Revolution
  - 1.6.5. Since 2000: The Beginning of the New Century



- 1.7. Social Impact of Videogames
  - 1.7.1. Effects on Health
  - 1.7.2. The Impact of Videogames on Children's Brains
  - 1.7.3. The Impacts of Videogames on Adolescents
  - 1.7.4. Practice: Do You Consider Videogames Beneficial?
- 1.8. Videogame Companies
  - 1.8.1. What Videogame Companies Do You Know?
  - 1.8.2. Most Influential Companies
  - 1.8.3. Popular Videogames
  - 1.8.4. Debate: The Reality We Are Heading Towards
- 1.9. Introduction to Narrative Design in Videogames
  - 1.9.1. What Is Narrative Design?
  - 1.9.2. Basic Narrative
  - 1.9.3. Videogame Narratives
  - 1.9.4. What Is Given to the Customer?
- 1.10. A First Video Game Script
  - 1.10.1. Introduction to Film Scriptwriting
  - 1.10.2. Writing a Script
  - 1.10.3. Final Touches
  - 1.10.4. Introduction



*A unique, key, and decisive educational experience to boost your professional development"*



# 04 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.*



### 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

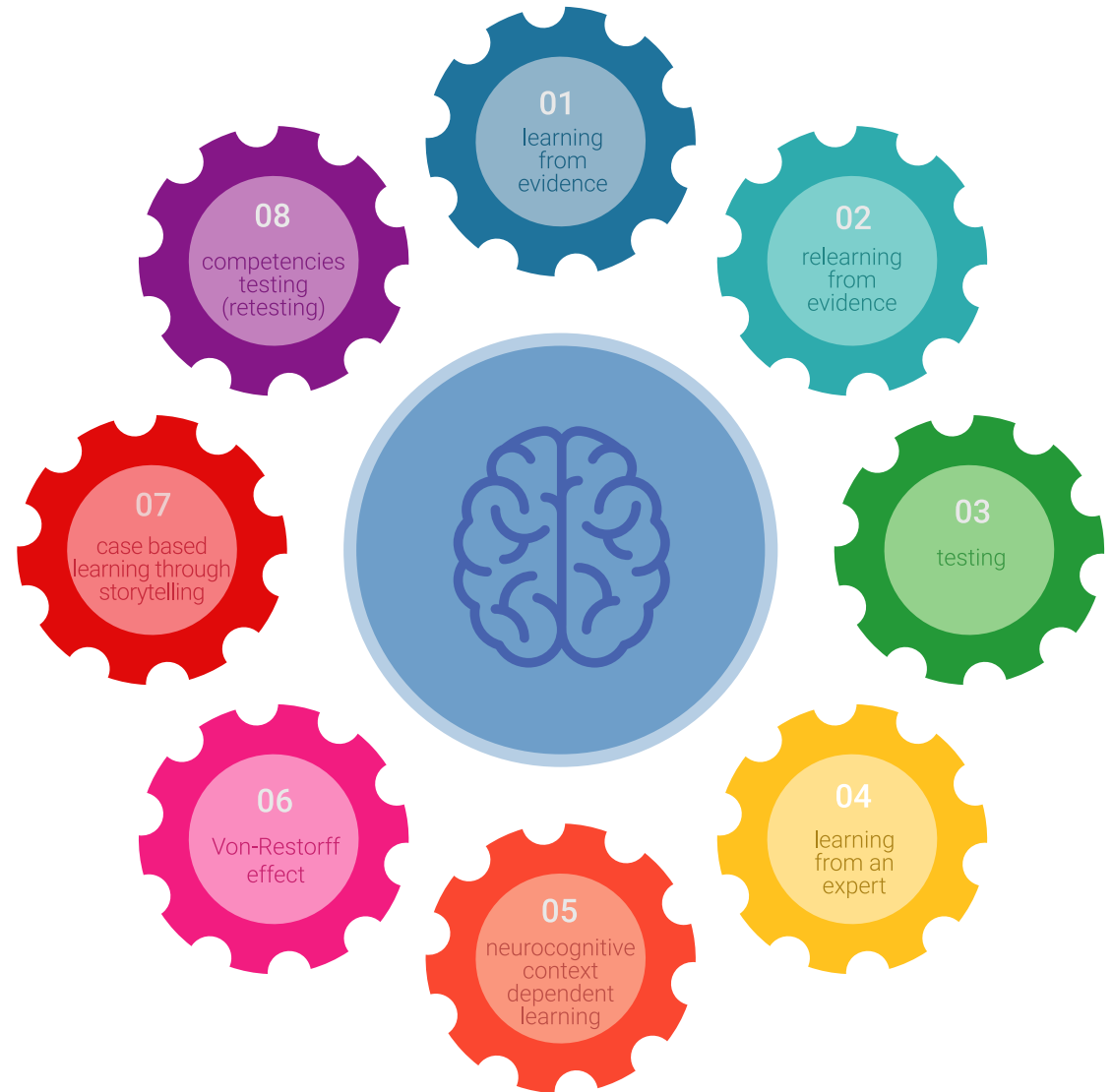
TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

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.





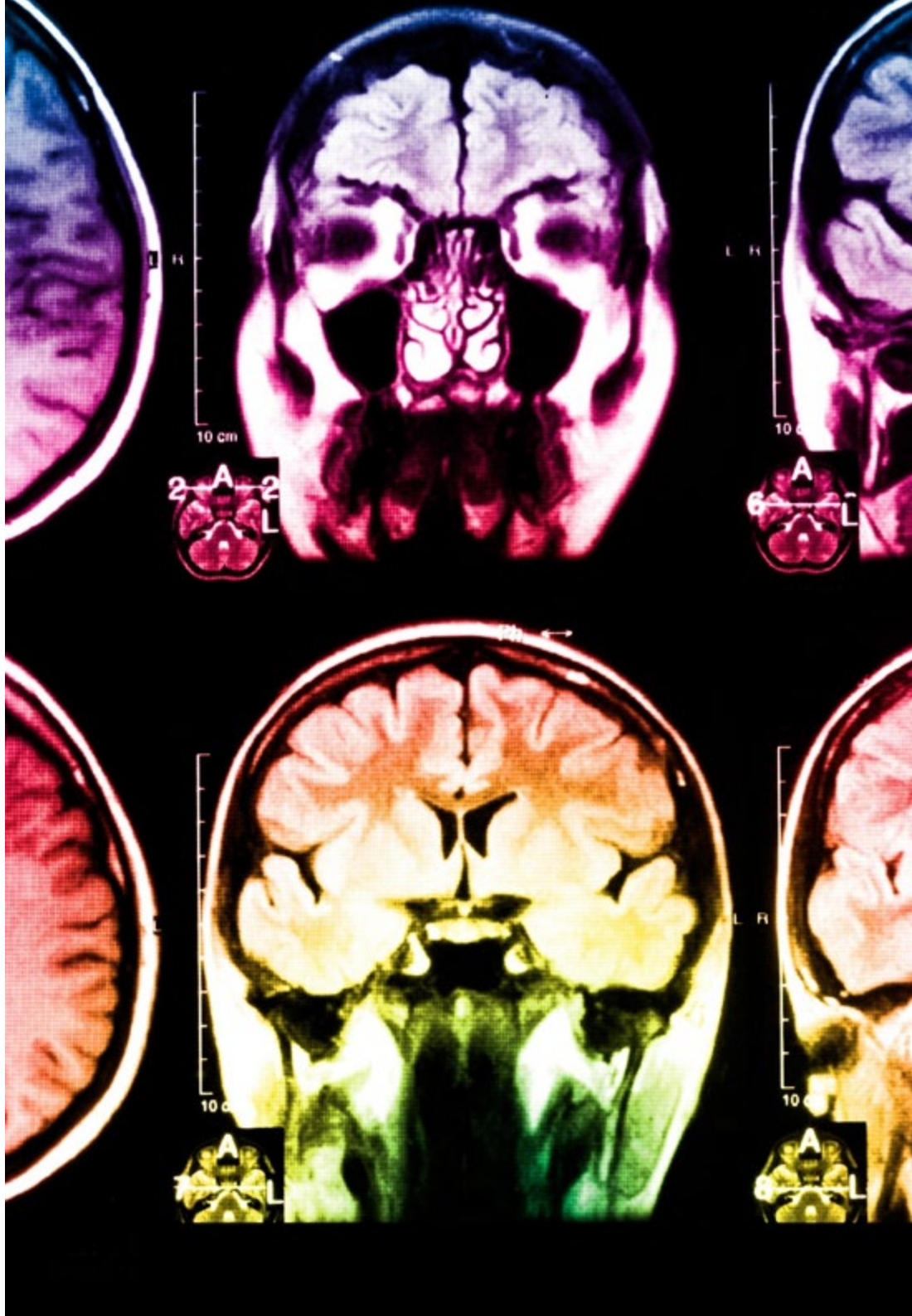
In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

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 adapted in 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.



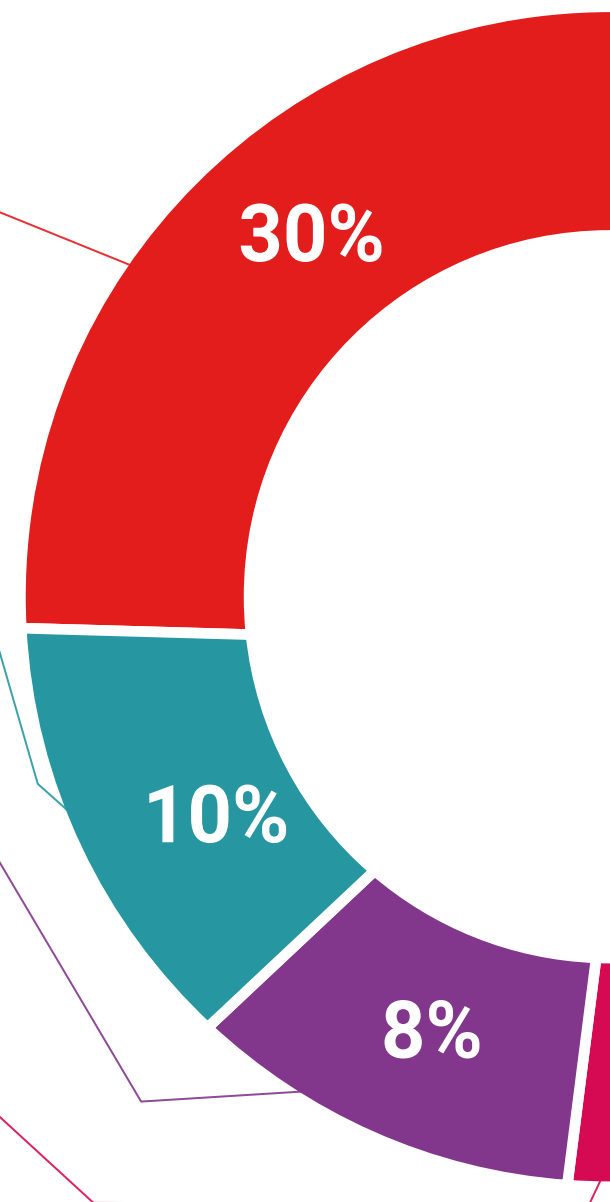
#### Practising Skills and Abilities

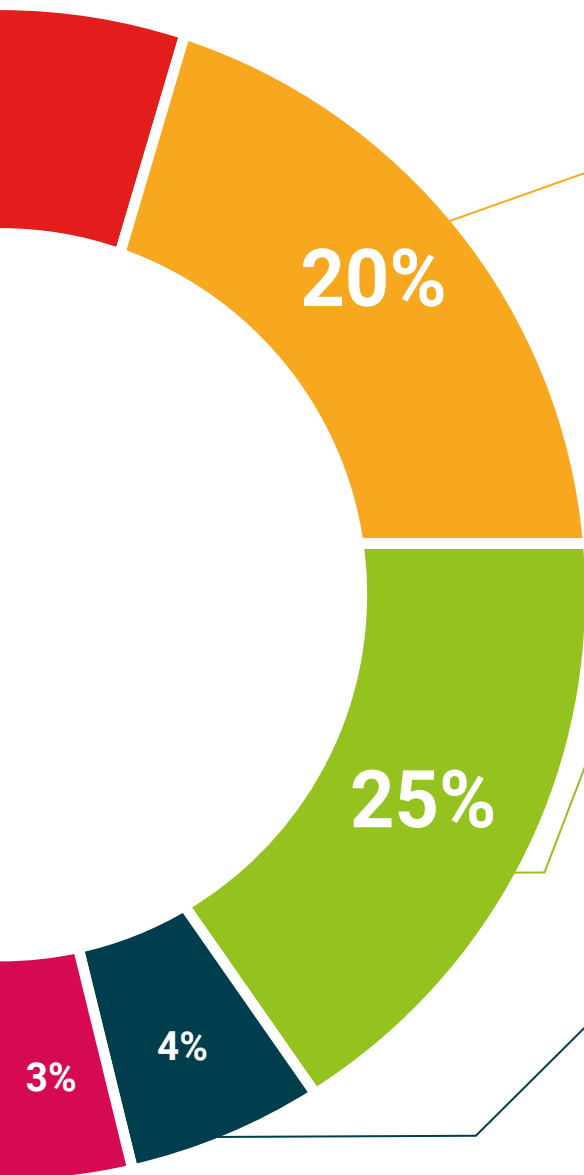
They will carry out activities to develop specific competencies and skills in each thematic area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



#### 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.



# 05 Certificate

The Postgraduate Certificate in Interactive Systems guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.





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

This **Postgraduate Certificate in Interactive Systems** contains the most complete and up-to-date educational 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 Interactive Systems**

Official N° of Hours: **150 h.**





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