

# Postgraduate Certificate

## Analysis of Variables in Gamified Economies





## Postgraduate Certificate Analysis of Variables in Gamified Economies

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online
- » Target Group: University Graduates, Graduates and Undergraduates who have previously completed any of the degrees in the fields of Social and Legal Sciences, Administrative and Business Sciences.

Website: [www.techtute.com/pk/school-of-business/postgraduate-certificate/analysis-variables-gamified-economies](http://www.techtute.com/pk/school-of-business/postgraduate-certificate/analysis-variables-gamified-economies)

# Index

01

Welcome

---

*p. 4*

02

Why Study at TECH?

---

*p. 6*

03

Why Our Program?

---

*p. 10*

04

Objectives

---

*p. 14*

05

Structure and Content

---

*p. 18*

06

Methodology

---

*p. 24*

07

Our Students' Profiles

---

*p. 32*

08

Course Management

---

*p. 36*

09

Impact on Your Career

---

*p. 40*

10

Benefits for Your Company

---

*p. 44*

11

Certificate

---

*p. 48*

# 01

# Welcome

The increasing demand for gamified products in school and work environments has led to a boom in projects of this caliber in recent years. In this line, the analysis of economic variables is an essential tool to understand the behavior of users and to design business strategies that guarantee success in their implementation. For this reason, companies dedicated to the development of these games require highly trained experts in this field to occupy their most important positions. Therefore, TECH Technological University has designed this program, through which the student will learn the exchange mechanisms or the processes of application of experience mechanics in Gamification. In an online modality and without schedules, they will increase their skills and professional perspectives in this area.



Postgraduate Certificate in Analysis of Variables in Gamified Economies  
TECH Technological University



“

*Increase your skills in Variables Analysis in Gamified Economies and multiply your opportunities to occupy relevant positions in companies in this industry”*

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 center for intensive managerial skills education.



“

*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 balances 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.

**+100000**

executives prepared 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

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



### Academic Excellence

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TECH offers students the best online learning methodology. The university combines the *Relearning* methodology (the most internationally recognized postgraduate learning methodology) with Harvard Business School case studies. A complex balance of traditional and state-of-the-art methods, within the most demanding academic framework.



### Economy of Scale

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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 groundbreaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.



### Learn with the best

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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 analyses in academia"*

03

# 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 education of the highest academic level”*

This program will provide you with a multitude of professional and personal advantages, among which we highlight the following:

**01**

### A Strong Boost to Your Career

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 students achieve positive career development in less than 2 years.*

**02**

### Develop a strategic and global vision of the company

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

*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**

### You will 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 fields 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

### You will be part of an exclusive community

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

*We give you the opportunity to study with a team of world-renowned teachers.*

# 04 Objectives

This Postgraduate Certificate aims to provide students with a deep understanding of the analysis of economic variables in video games and Gamification projects. Through the program, students will be able to identify the proportional and inversely proportional relationships between two or more economic variables and know the degrees that each of them admits within a title. Therefore, they will obtain a series of skills that will enable them to grow as professionals.



“

*Develop your skills in the Analysis of Variables in Gamified Economies and position yourself as a reference specialist in this field”*



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

The Postgraduate Certificate in Analysis of Variables in Gamified Economies enables the student to:

01

Categorize elements within a game in relation to their incidence within the final economy of the game

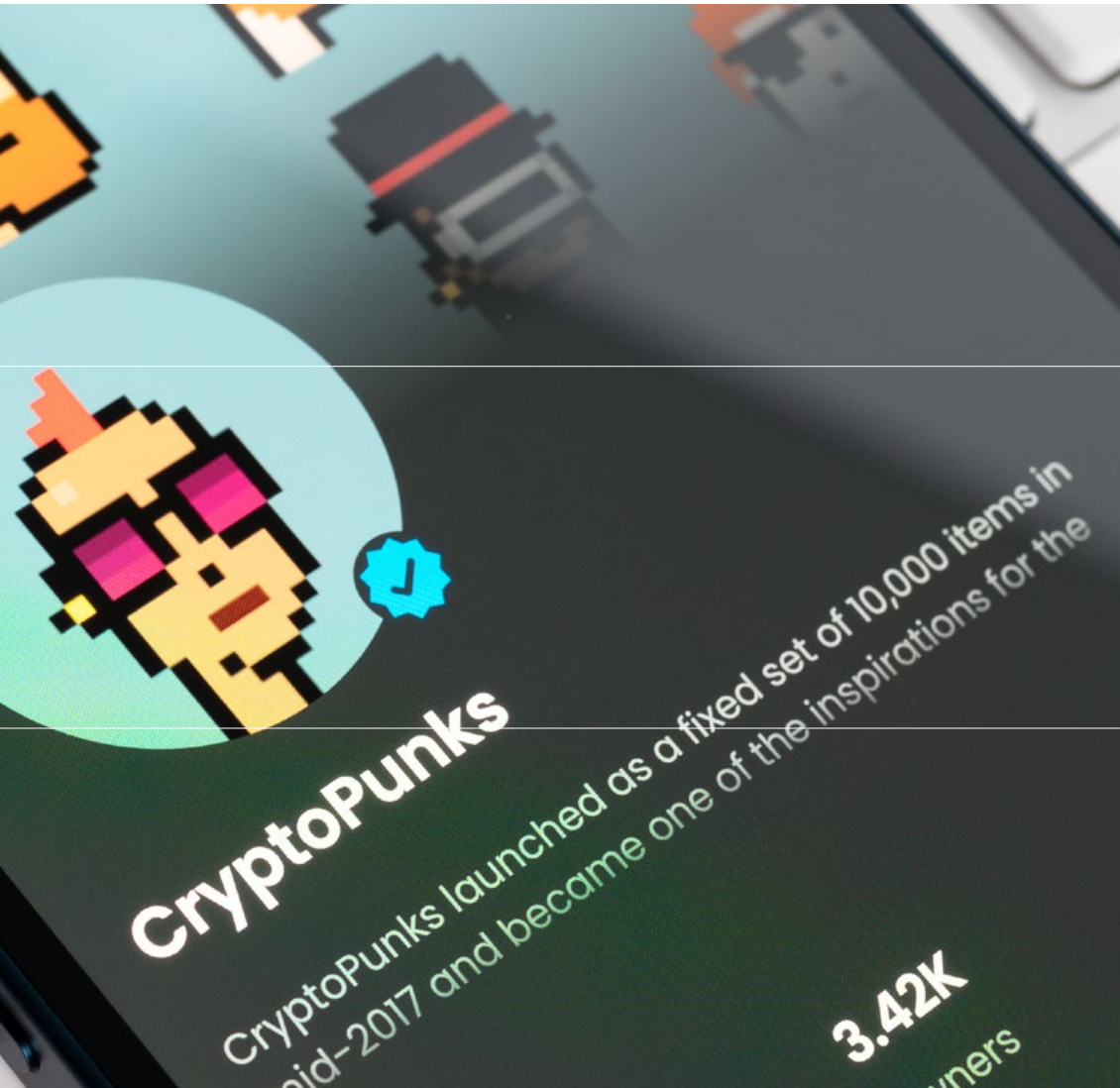
02

Delve into the resources of the gamified economy

03

Identify the degrees to which economic variables within a game fall within their category





04

Understand the proportional and inverse proportional relationships between two or more economic variables

05

Explore the mechanics of the experience of the economic variables

06

Identify the application of Deadlocks in game mechanics

05

# Structure and Content

This Postgraduate Certificate offers an extensive syllabus on the analysis of variables in gamified economies. Taught in a 100% online format, it allows students to manage their study schedules as they wish in order to achieve effective learning. In this way, they will be prepared to face the challenges presented by this business environment with the best academic facilities in the market.



“

*The Relearning system of this Postgraduate Certificate will enable you to learn at your own pace and without time constraints”*

## Syllabus

The Postgraduate Certificate in Variables Analysis in Gamified Economies at TECH Technological University is an intensive program that seeks to prepare students to face challenges and business decisions in the Gamification field. The content of the program is designed to foster the development of managerial competencies that allow for more rigorous decision making in uncertain environments.

During the 6 weeks of training, students will have the opportunity to analyze a wide variety of case studies, both individually and in teams. This approach allows an immersion in real business situations, allowing students to acquire experience and skills to face similar situations in their professional future.

The Postgraduate Certificate delves into the world of Variables Analysis in Gamified Economies, exploring

aspects such as resources, sources, converters or exchange. Therefore, it is designed to train professionals who understand Gamification from a strategic, international and innovative perspective.

This curriculum focuses on the professional improvement and preparations of students to achieve excellence in the field of leadership and business management. It is a program that understands the needs of students and their companies, and is supported by innovative content based on the latest trends, a high quality educational methodology and an exceptional faculty.

### Module 1

#### Analysis of Variables in Gamified Economies





### **Where, When and How is it Taught?**

TECH Technological University offers you the opportunity to study this Postgraduate Certificate in Variables Analysis in Gamified Economies completely online. During the 6 weeks of the specialization, the student will be able to access all the contents of this program at any time, which will allow the students to self-manage their study time.

*Enjoy a teaching adapted to your academic needs, choosing those multimedia or textual didactic formats that are of your preference.*

## Module 1. Analysis of Variables in Gamified Economies

### 1.1. Gamified Economic Variables

- 1.1.1. Advantages of Fragmentation
- 1.1.2. Similarities with the Real Economy
- 1.1.3. Division Criteria

### 1.2. Search

- 1.2.1. Individual
- 1.2.2. By Group
- 1.2.3. Global

### 1.3. Resources

- 1.3.1. By Game - Design
- 1.3.2. Tangibles
- 1.3.3. Intangibles

### 1.4. Entities

- 1.4.1. Players
- 1.4.2. Single Resource Entities
- 1.4.3. Multiple Resource Entities

### 1.5. Sources

- 1.5.1. Generation Conditions
- 1.5.2. Localization
- 1.5.3. Production Ratio

### 1.6. Exits

- 1.6.1. Consumables
- 1.6.2. Maintenance Costs
- 1.6.3. *Time Out*

### 1.7. Converters

- 1.7.1. NPC
- 1.7.2. Manufactura
- 1.7.3. Special Circumstances

### 1.8. Exchange

- 1.8.1. Public Markets
- 1.8.2. Private Stores
- 1.8.3. External Markets

### 1.9. Experience

- 1.9.1. Acquisition Mechanics
- 1.9.2. Apply Experience Mechanics to Economic Variables
- 1.9.3. Penalties and Experience Limits

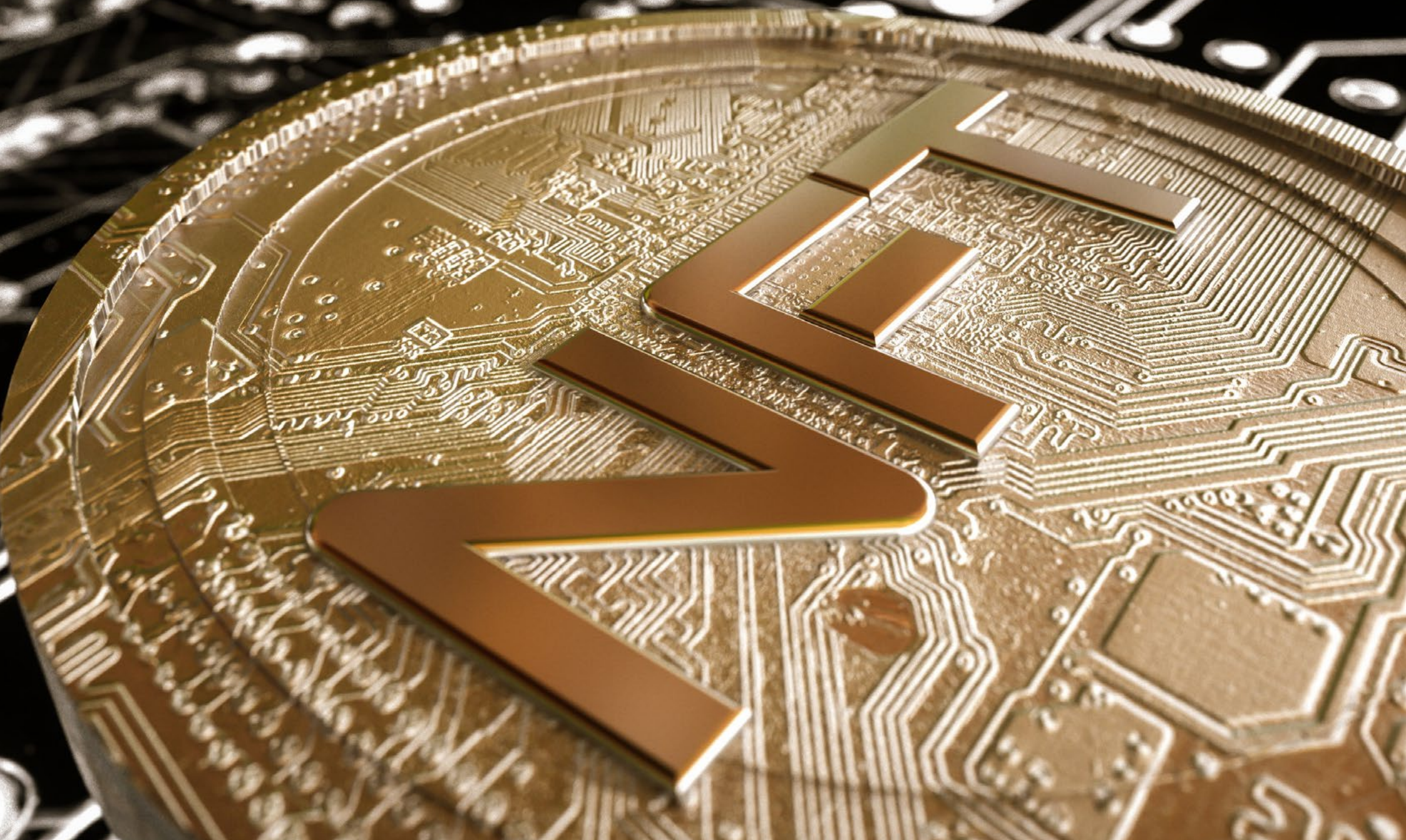
### 1.10. Deadlocks

- 1.10.1. Resource Cycle
- 1.10.2. Linking Economy Variables with *Deadlocks*
- 1.10.3. Applying *Deadlocks* to Game Mechanics



*Enjoy a teaching adapted to your academic needs, choosing those multimedia or textual didactic formats that are of your preference"*







# 06

# 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.





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.





### 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.



07

# Our Students' Profiles

This university program is aimed at university graduates, graduates and undergraduates who have previously completed any of the following degrees in the field of Social, Administrative and Economic Sciences.

This program uses a multidisciplinary approach as the students have a diverse set of academic profiles and represent multiple nationalities.

Additionally, professionals who, being university graduates in other areas, but who have accredited experience in the Oenology sector, will also have the possibility of completing this Postgraduate Certificate.





“

*Grow as a professional in the  
Gamification world without giving up  
your work and personal obligations”*

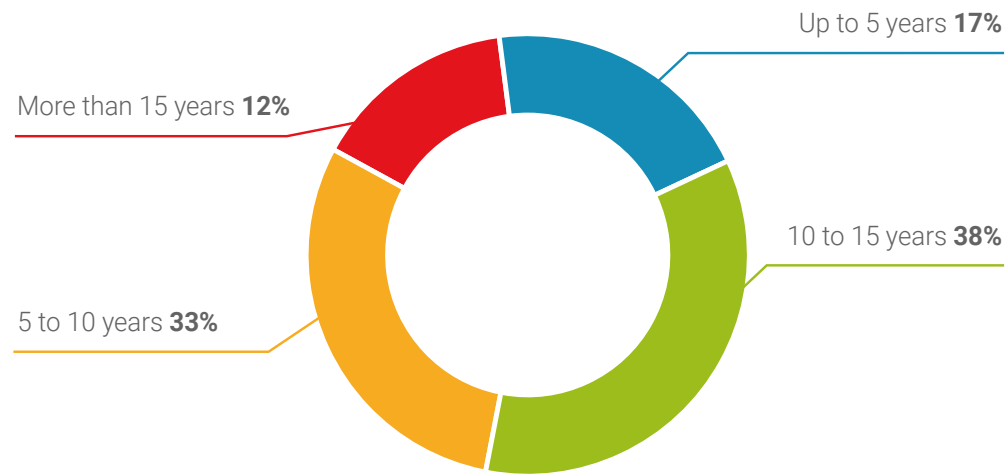
### Average Age

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

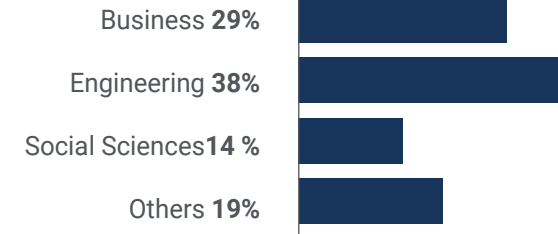
### Years of Experience

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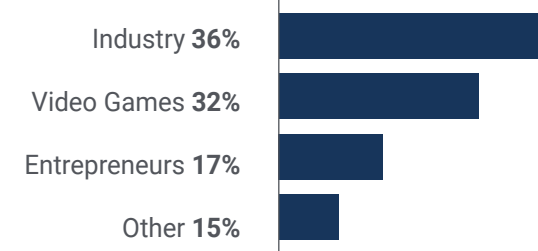
### Training

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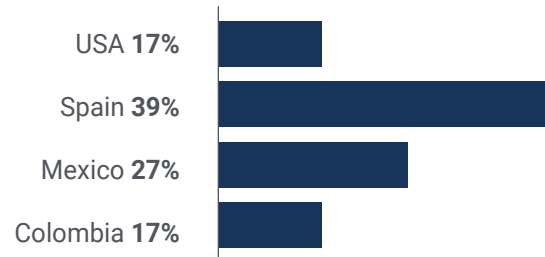
### Educational Profile

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## Geographical Distribution

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## Agustín Yanes

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CEO of a video game startup

*"This TECH Technological University program provided me with the necessary tools to better understand the world of gamified economics. Thanks to the knowledge acquired, I have been able to better manage the variables involved and significantly increase the efficiency and profitability of my company"*

08

# Course Management

In this Postgraduate Certificate, this academic institution has brought together an excellent team of professionals with extensive experience in the field of Oenology. Their experience in national and international prestige Wineries, will allow students to approach the most advanced and current knowledge about Wine Aging and Breeding. Additionally, thanks to their proximity, they will be able to answer any questions you may have about the content of this program.

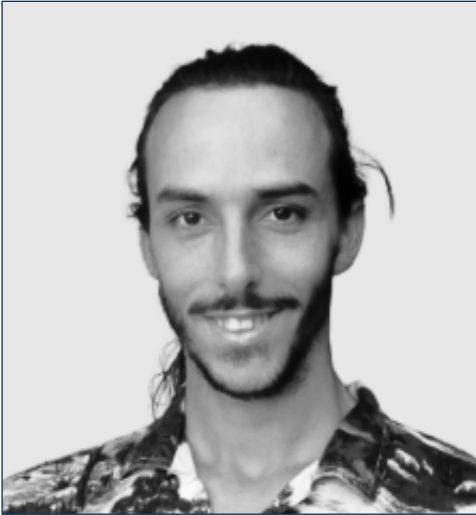




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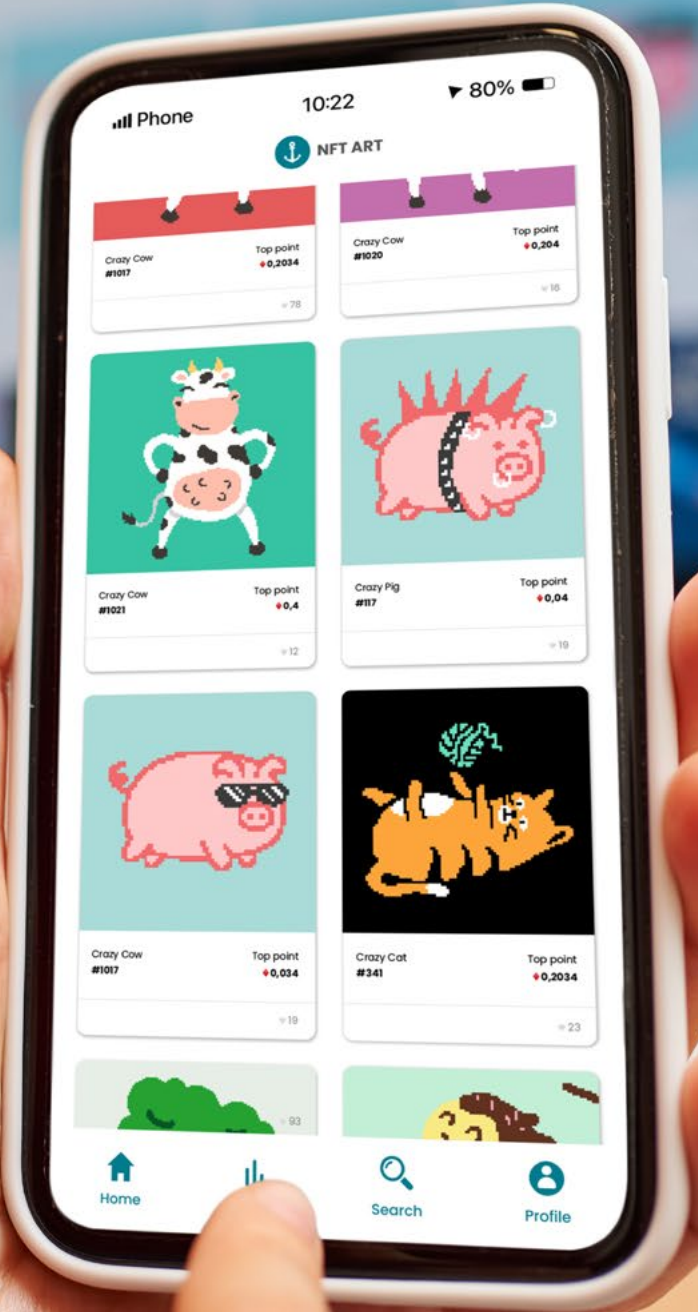
*You will be able to solve any doubts about Wine Aging and Breeding with the best specialists with experience in prestigious wineries”*

## Management



### Ms. Olmo Cuevas, Alejandro

- ◆ Game and Blockchain economies for video games designer
- ◆ Founder de Seven Moons Studios Blockchain Gaming
- ◆ Founder of the Niide project
- ◆ Writer of fantastic narrative and poetic prose



09

# Impact on Your Career

The Postgraduate Certificate in Variables Analysis in Gamified Economies is an excellent opportunity for those professionals who wish to expand their field of knowledge in one of today's most innovative areas. Upon completion of this program, students will be able to understand and analyze the elements of these economies, which will allow them to improve efficiency and performance in their business projects.







“

*This academic institution is committed to improving your professional development”*



### Are you ready to take the leap? An excellent professional improvement awaits you

The Diploma in Variables Analysis in Gamified Economies of TECH Technological University is an intensive program that prepares you to face challenges and business decisions in the field of Gamification. The main objective is to promote your personal and professional growth. Helping you achieve success.

If you want to improve yourself, make a positive change at a professional level, and network with the best, then this is the place for you.

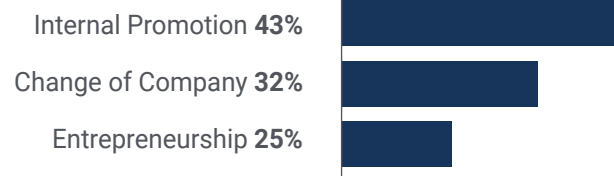
*Increase your salary prospects upon completion of the Postgraduate Certificate in Variables Analysis in Gamified Economies.*

*This academic institution is committed to your professional development.*

#### Time of Change



#### Type of change



## Salary increase

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The completion of this program represents a salary increase of more than **25,3%** for our students.



10

# Benefits for Your Company

The Postgraduate Certificate in Variables Analysis in Gamified Economies contributes to elevate the organization's talent to its maximum potential through the instruction of high-level leaders.

Participating in this Postgraduate Certificate is a unique opportunity to access a powerful network of contacts in which to find future professional partners, customers or suppliers.



“

*Specialists in the Analysis of Variables in Gamified Economies are essential to optimize resources in Gamification projects and guarantee user satisfaction”*

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

01

### Intellectual Capital and Talent Growth

Professionals will bring to their companies new concepts, strategies and perspectives that can bring about relevant changes in the organization

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02

### Retaining high-potential executives to avoid talent drain

This program strengthens the link between the company and its employees and opens up new avenues for professional growth within the company

03

### Building agents of change

You 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.





05

### **Project Development**

The professional can work on a real project or develop new projects in the field of R & D or Business Development of his company

---

06

### **Increased competitiveness**

This Postgraduate Certificate will equip your professionals with the skills to take on new challenges and therefore drive the organization forward.

11

# Certificate

The Postgraduate Certificate in Variables Analysis in Gamified Economies 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 Variables Analysis in Gamified** 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 Certificates in Analysis of Variables in Gamified Economies**

Official N° of hours: **150 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.



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