

# Postgraduate Diploma NFTs



## Postgraduate Diploma NFTs

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

Website: [www.techtute.com/in/information-technology/postgraduate-diploma/postgraduate-diploma-nfts](http://www.techtute.com/in/information-technology/postgraduate-diploma/postgraduate-diploma-nfts)

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# 01

# Introduction

NFTs emerge as a solution to the problem of ownership and authenticity in the digital realm. Through the use of Blockchain technology, it is possible to track the ownership history of an NFT, which guarantees its authenticity and prevents counterfeiting. Therefore, IT professionals must keep up to date in this constantly evolving field, as it has become a competitive advantage in the job market. For this reason, TECH has developed a program in a 100% online format with the possibility of accessing it at any time and place, requiring only an electronic device with internet connection. In this way, graduates will be able to participate in technological innovation and contribute to the security and protection of digital assets.



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*Enter the world of NFT and learn more about how this technology revolutionizes the marketing of digital assets”*

Non-fungible tokens have the potential to boost the economy in a number of ways. For example, they allow digital creators, such as designers and musicians, to monetize their work directly without intermediaries, since, by creating and selling them, the owners get a fair share of the value of their works, providing them with a new source of income and the possibility of reaching a global audience.

On the other hand, this economic modality has opened the doors to greater accessibility and participation in the market. Anyone can buy, own and trade these tokens, which encourages greater diversity. In addition, NFTs allow fans and collectors to directly support their favorite artists and participate in the art community in a more active way.

Moreover, NFTs are boosting the economy by empowering creators, democratizing access to art and culture, fostering technological innovation, generating employment, promoting collaboration and a creative economy that increases transparency in the marketplace.

It is for this reason that this Postgraduate Diploma in NFTs has been developed, with the aim of providing computer scientists with the guidelines to detect economic opportunities, understand the technological evolution, promote creative innovation and participate in active communities. A 100% online program that will allow students to combine their daily personal activities with learning, without pre-established timetables. Additionally, with the Relearning methodology used by TECH, which consists of the repetition of concepts, the professional will learn in less time and with greater effectiveness.

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

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



*You will gain the necessary skills to efficiently operate in the NFTs buying and selling market"*

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*You will discover how to trace the copyrights of NFTs to avoid possible counterfeits”*

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 academic year. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

*This Postgraduate Diploma opens doors to job opportunities in multiple digitalized fields such as art and video games.*

*Establish the differences between Web3 and Web2 and learn about trends in decentralized finance.*



# 02 Objectives

TECH has developed this program with the main objective that computer scientists specialize in the development of effective techniques and in contributing to innovative projects in NFTs. Therefore, through this degree you will be able to delve into the legal and regulatory framework, taking advantage of business opportunities and staying at the forefront in a growing sector. In this way, the student will find a fully online program that contains multiple complementary materials that can be accessed through the virtual campus, available 24 hours a day without restrictions.





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*You will understand the process of creating digital identities and its impact on privacy”*



## General Objectives

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- ◆ Analyze the scope of the Fintech revolution
- ◆ Identify the origin and reasons for the rise of Fintechs
- ◆ Observe the differential value provided by Fintechs
- ◆ Develop the concept of Tokenization
- ◆ Analyze the tokenization process
- ◆ Identify which projects can be tokenized
- ◆ Establish the advantages offered by tokenization
- ◆ To provide an in-depth understanding of Blockchain technology and its implementation in asset tokenization
- ◆ Analyze the technical specifications of Tokens and their standards, Blockchain types, security in Blockchain networks, smart contracts, success stories and the advantages and disadvantages of asset tokenization
- ◆ Apply the most advanced concepts and tools to carry out transactions of tokens and cryptocurrencies in a safe and efficient way





## Specific Objectives

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### Module 1. Art and Collectibles NFTs

- ◆ Explore the key characteristics of non-fungible tokens (NFTs), such as their unique, indivisible and verifiable nature
- ◆ Analyze the impact of NFTs in different industries and how they are transforming the way in which digital products are marketed and consumed
- ◆ Delve into the technology behind NFTs, such as blockchain and smart contracts, and how these tools are used to create, store and verify the authenticity of non-fungible tokens
- ◆ Identify the advantages and disadvantages of NFTs, including their potential impact on transparency, security and the environment, as well as their ability to improve the tracking and control of copyrights
- ◆ Explore the opportunities and challenges that NFTs may present for the art world, culture and the global economy in general. We will look at where they can be purchased along with their purchase process

### Module 2. Authenticity Certification with NFTs

- ◆ Analyze real cases of application of NFTs as certificates of authenticity
- ◆ Determine the needs of smart contracts to meet traceability and authenticity requirements
- ◆ Identify other possible applications of NFTs as authenticity certificates

### Module 3. The NFTs in the Metaverse, DAOs and New Trends

- ◆ Explain in detail how NFTs work and their use in the Metaverse, DAOs and their relationship with NFTs
- ◆ Determine how unique virtual objects can be created and sold using NFTs, demonstrating how these tools can be used in digital community funding and governance projects
- ◆ Examine how NFTs are related to decentralization trends in the digital world, covering topics such as Web3 and DeFi Explore how NFTs can be applied in other areas, such as education, health and environment
- ◆ Gain a solid technical understanding of NFTs, DAOs and trends in the digital world, which will allow us to apply this knowledge in constantly evolving projects within the NFTs and decentralization arena



*Unlock your potential to create, sell and collect unique digital assets thanks to this exclusive academic qualification from TECH"*

03

# Course Management

For the conformation of the teaching staff of this program, TECH has assembled an outstanding team of highly qualified teachers with extensive experience in the field of finance, Tokenization and Blockchain. As such, they pour into this degree the knowledge of years of professional experience for the benefit of the student. Therefore, the graduate has before them a syllabus developed by experts as a sign of the commitment to elite education of this prestigious academic institution.



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*It delves into the functioning of decentralized autonomous organizations from renowned experts in the sector”*

## Management



### Mr. Gómez Martínez, Raúl

- ♦ Founding Partner and CEO of Open 4 Blockchain Fintech
- ♦ Founding Partner of InvestMood Fintech
- ♦ Apará's CEO
- ♦ PhD in Business Economics and Finance from Universidad Rey Juan Carlos de Madrid
- ♦ Master's Degree in Economic Analysis and Financial Economics, Complutense University of Madrid
- ♦ Bachelor's Degree in Economics and Business Administration, Complutense University of Madrid

## Professors

### Dr. Diner, Franco

- ♦ Blockchain Developer at Open 4 Blockchain Fintech
- ♦ Blockchain Developer at Bifrost
- ♦ IT Developer at Arbell
- ♦ Fullstack Developer at Digital House
- ♦ Systems Analyst at O.R.T. Technical School
- ♦ Degree in IT from the University of Palermo
- ♦ Tutor and teacher of Coderhouse Web Development

### Dr. García Gorriti, Borja

- ♦ Entrepreneur and Systems Engineer
- ♦ Best startup in La Rioja with stampymail
- ♦ One of the 10 best young innovators by the ministry of industry with the Stampymail project
- ♦ Master's Degree in Blockchain, University Miguel de Cervantes
- ♦ Technical Engineer in Computer Systems, University from Alcalá de Henares



# 04

## Structure and Content

This Postgraduate Diploma has been developed with high quality content provided by experts in NFTs. Therefore, the student will explore the most important aspects of digital assets in the art world, delving into the key features and their impact on the industry. It will also address the use of certificates of authenticity and delve into the concept of the Metaverse, its importance and existing examples. All of this through didactic materials and a flexible 100% online format, which added to the Relearning methodology, will catapult the graduate's professional career.





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*You will master the concepts of the  
NFT sector with fluency and efficiency  
thanks to TECH's Relearning method"*

## Module 1. Art and Collectibles NFTs

- 1.1. NFTs
  - 1.1.1. NFTs
  - 1.1.2. Key Features
  - 1.1.3. Examples of popular NFTs
- 1.2. NFTs and art World
  - 1.2.1. Changes in the Art Industry
  - 1.2.2. Examples of art NFTs and their market value
  - 1.2.3. NFT Impact in artists
- 1.3. NFTs as collectibles
  - 1.3.1. The NFTs as collectibles
  - 1.3.2. Examples of popular collectible NFTs and their market value
  - 1.3.3. NFTs and their potential to expand the market for collections
- 1.4. Social Impact of NFTs
  - 1.4.1. Social Benefits of NFTs
  - 1.4.2. NFTs for Communities Creation
  - 1.4.3. Opportunities NFTs offer to the world of art and culture
- 1.5. Advantages and Disadvantages of NFTs
  - 1.5.1. The end of counterfeiting
  - 1.5.2. Vulnerabilities in the security of NFTs
  - 1.5.3. NFTs and Its Impact on the Environment
- 1.6. Technology behind NFTs
  - 1.6.1. Blockchain and its role in the creation of NFTs
  - 1.6.2. Smart Contracts and its Use in the creation of NFTs
  - 1.6.3. Creation and verification of NFTs
- 1.7. Creation of NFTs and royalties
  - 1.7.1. Copyrights
  - 1.7.2. Secondary market control
  - 1.7.3. Transparency and monitoring
- 1.8. NFT Markets
  - 1.8.1. Market platforms
  - 1.8.2. Purchasing Process
  - 1.8.3. Value and demand



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- 1.9. NFTs in different industries
    - 1.9.1. NFTs in the Music Industry
    - 1.9.2. NFTs in the Video Sports Industry
    - 1.9.3. NFTs in the Video Game Industry
  - 1.10. The Future of NFTs
    - 1.10.1. Trends in the of NFTs Market
    - 1.10.2. Changes in the near future
    - 1.10.3. NFT Impact in global economy

## Module 2. Authenticity Certification with NFTs

- 2.1. NFT concept for luxury goods
  - 2.1.1. Objectives and needs of the luxury sector
  - 2.1.2. Structure of NFT
  - 2.1.3. NFT-compatible networks
- 2.2. Size of the counterfeit market
  - 2.2.1. Secondary and parallel market
  - 2.2.2. Other anti-counterfeiting tools
  - 2.2.3. Size of the market and losses incurred by the brands
- 2.3. NFT as a guarantee of authenticity in the face of counterfeiting
  - 2.3.1. NFT The only completely unforgeable solution
  - 2.3.2. Integration of NFTs in product certification chains
  - 2.3.3. Verification of authenticity guarantees
- 2.4. Elimination of double sales with CFNs
  - 2.4.1. Problem of double selling in the digital sector
  - 2.4.2. Solutions provided by Blockchain technology
  - 2.4.3. Smart contract modifications to ensure that double sales cannot be made
- 2.5. Sale and purchase process with NFTs
  - 2.5.1. Marketplaces for authenticity NFTs
  - 2.5.2. Independent platforms
  - 2.5.3. NFT Management Wallets

- 2.6. Article traceability
  - 2.6.1. Product traceability
  - 2.6.2. Blockchain options for traceability
  - 2.6.3. Traceability products in blockchain
- 2.7. Valuation of NFT
  - 2.7.1. Tokenomics of authenticity NFTs
  - 2.7.2. Value of NFT
  - 2.7.3. Residual value of NFT in consumable products
- 2.8. Use Case 1 Watches
  - 2.8.1. Customer Needs
  - 2.8.2. Residence of product value
  - 2.8.3. Customer benefits with the use of NFTs
- 2.9. Use Case 2 Bottles of wine
  - 2.9.1. Customer Needs
  - 2.9.2. Residence of product value
  - 2.9.3. Customer benefits with the use of NFTs
- 2.10. Other possible Cases of use
  - 2.10.1. Application of certificates in other sectors
  - 2.10.2. NFT as certificate in access management
  - 2.10.3. NFT as a carbon credit certificate

### Module 3. The NFTs in the Metaverse, DAO and New Trends

- 3.1. NFTs in the Metaverse
  - 3.1.1. Concept of Metaverse. Features
  - 3.1.2. Importance of NFTs in the Metaverse
  - 3.1.3. Examples of existing Metaverse
- 3.2. Use of NFTs in the Metaverse
  - 3.2.1. Creation and sale of unique virtual objects
  - 3.2.2. Immersive gaming and entertainment experiences
  - 3.2.3. Possibilities for investment in the Metaverse through NFTs
- 3.3. Economic Impact of NFTs in the Metaverse
  - 3.3.1. Growth of the industry of NFTs in the Metaverse
  - 3.3.2. Benefits to creators and owners of NFTs
  - 3.3.3. Potential of NFTs to revolutionize the digital economy





- 3.4. DAOs
  - 3.4.1. Definition and Characteristics of a DAO Network
  - 3.4.2. Operation of a DAO
  - 3.4.3. Differences between a DAO and traditional companies
- 3.5. Examples of DAOs
  - 3.5.1. Successful examples of DAOs in the crypto industry
  - 3.5.2. DAOs for Project Financing
  - 3.5.3. DAOs for digital community governance
- 3.6. Advantages and Disadvantages of DAOs
  - 3.6.1. Advantages of DAOs compared to traditional companies
  - 3.6.2. Disadvantages and risks associated with DAOs
  - 3.6.3. Legal and Regulatory Considerations for DAOs
- 3.7. DAOs and their relationship with NFTs
  - 3.7.1. Benefits and challenges of integrating NFTs into DAOs
  - 3.7.2. Use of NFTs in DAOs
  - 3.7.3. Examples of DAOs that use NFTs in their business models
- 3.8. The trend towards decentralization - Web 3.0.
  - 3.8.1. Concept of Web 3.0.
  - 3.8.2. Differences between Web3 and Web2
  - 3.8.3. Advantages of Decentralization in the Digital World
- 3.9. Trends in Decentralized Finance - DeFi
  - 3.9.1. Definition of DeFi
  - 3.9.2. Benefits of DeFi over traditional finance
  - 3.9.3. Challenges and risks associated with DeFi
- 3.10. New trends with NFTs
  - 3.10.1. Tokenization of physical assets and its relation to NFTs
  - 3.10.2. The use of NFTs in the creation of digital identities and its impact on privacy"
  - 3.10.3. NFTs in sectors such as education, health and the environment

# 05 Methodology

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

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





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

## Case Study to contextualize all content

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

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*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 Diploma in NFTs guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma 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 Diploma in NFTs** 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 Diploma** issued by **TECH Technological University** via tracked delivery\*.

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

Title: **Postgraduate Diploma in NFTs**

Official N° of Hours: **450 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.



future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development language  
virtual classroom

**tech** technological  
university

## Postgraduate Diploma NFTs

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

# Postgraduate Diploma NFTs

