Postgraduate Diploma

Blockchain Business Management

tech technological university

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Postgraduate Diploma

Blockchain Business Management

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

Website: www.techtitute.com/pk/information-technology/postgraduate-diploma/postgraduate-diploma-blockchain-business-management

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01

Introduction

Technology companies are constantly emerging that take advantage of the latest advances in areas such as artificial intelligence or robotics. Blockchain is the new technology that offers companies the possibility to develop projects and invest, with the possibility of obtaining a wide margin of profit. Therefore, this program delves into this area, offering the computer scientist the opportunity to become an expert in the creation and management of Blockchain companies, delving into aspects such as their legal implications or DeFi. All this, following an innovative online teaching methodology that makes it possible to balance a professional career with studies.

Effectively manage a company dedicated to Blockchain technology and lead it to success thanks to what you will learn in this Postgraduate Diploma"

Blockchain technology is the present and the future, not only in terms of IT, as more and more companies are betting on this area as a way to develop new projects and to do business. However, this is a very complex area that requires specific expertise to lead a company to success. For this reason, this Postgraduate Diploma in Blockchain Business Management is a great opportunity for all those computer scientists, engineers and entrepreneurs who wish to participate in this sector, since it provides them with all the necessary tools to achieve it.

In this way, this qualification delves into issues such as decentralized money, NFT markets, tokenization as a cornerstone of projects, the European Blockchain Services Infrastructure or the prevention of money laundering. As a result, the computer scientists who complete this program will have gained knowledge of all the implications of this technology in the business world, so that they can develop Blockchain projects with all the guarantees.

Additionally, this qualification follows an innovative 100% online learning methodology that is perfect for working professionals, as it is fully adaptable to their circumstances. It also has an elite teaching staff and high-level multimedia teaching resources such as practical cases, interactive summaries and master classes.

This **Postgraduate Diploma in Blockchain Business Management** 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 with which they are created, provide scientific and 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 work
- Content that is accessible from any fixed or portable device with an internet connection

You will be able to create and manage a Blockchain company quickly and securely with this program. Enroll now"

Blockchain technology is complex but full of opportunities: don't miss them and enroll in this Postgraduate Diploma"

This qualification is what you were looking for to get started in the world of Blockchain technology.

Master the field of DeFi and NFTs with this specialized program.

The program's teaching staff includes professionals from the sector who contribute their work experience to this training 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 training programmed to train in real situations.

This program is designed around Problem-Based Learning, whereby the professionals must try to solve the different professional practice situations that arise throughout the program. For this purpose, they will be aided by an innovative system of interactive videos produced by renowned experts.

02

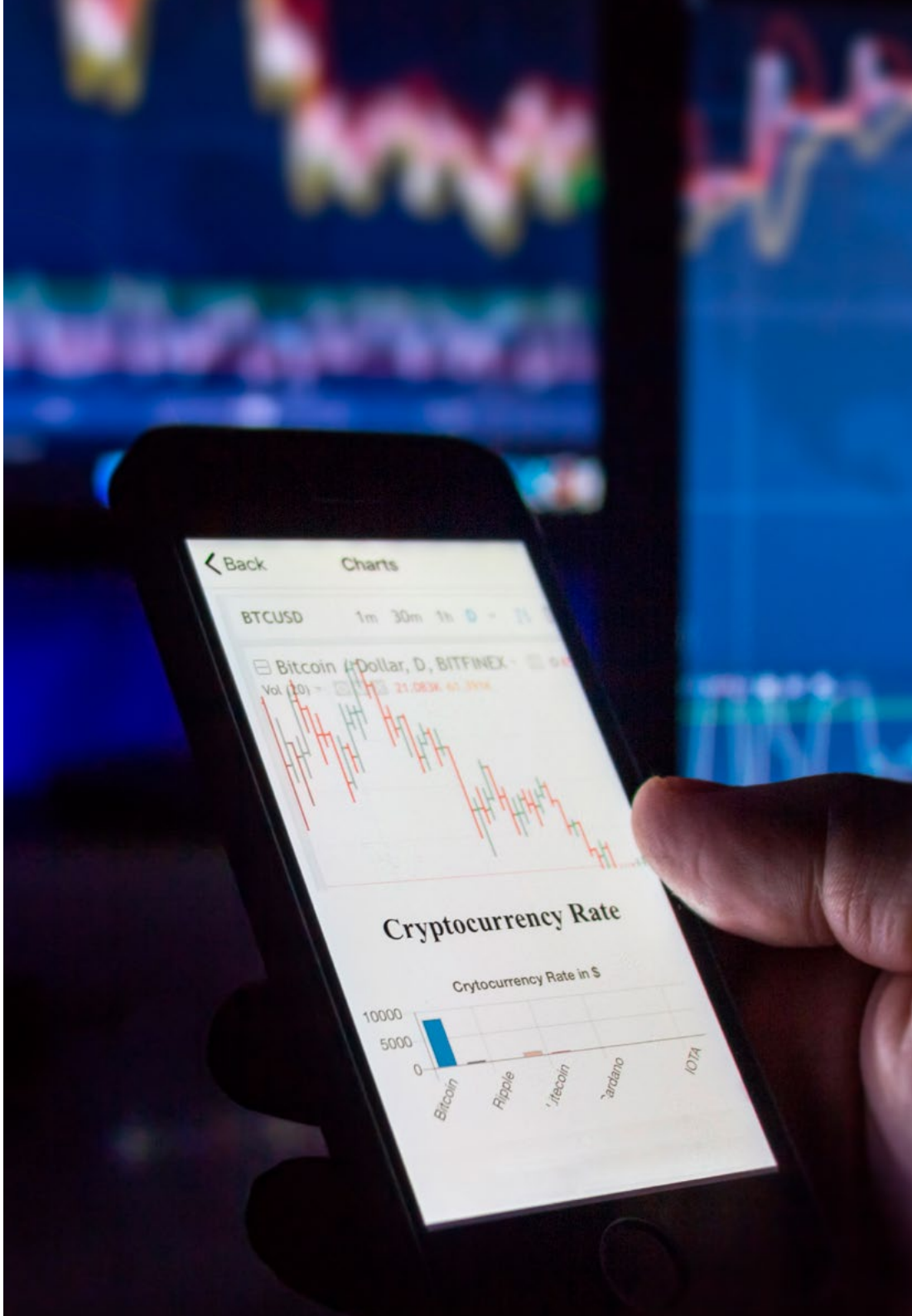
Objectives

The objective of this Postgraduate Diploma in Blockchain Business Management is to provide the computer scientist with the possibility of developing successful business projects in this complex field, taking advantage of the enormous opportunities it offers. So, by the end of this program, you will be in a position to start and manage Blockchain-focused technology companies, and you will be able to unlock their full potential thanks to what you will learn in the qualification.

Your business goals are within reach. Enroll and learn all the secrets of Blockchain technology"

General Objectives

- Analyze the different itools
- Evaluate new forms of passive income
- Determine what Open Finance is
- Examine the characteristics of NFTs
- Analyze the evolution of the crypto world up to today
- Identify the regulations applicable to the different business models offered by technology
- Establish the basics of knowledge of the crypto world and key aspects
- Identify potential legal risks in real projects
- Analyze why or why not to apply a Blockchain solution in our environment.
- Generate specialized knowledge on the logical concept of distributed technologies as a comparative advantage
- Explore the capability of certain Blockchain implementations and their impact on the financial and pharmaceutical field
- Analyze the best way to implement a Blockchain process focusing on the basics of the technology



Specific Objectives

Module 1. Blockchain and its new applications: DeFi and NFT

- Evaluate the importance of Stablecoins
- Examine Maker, Augur and Gnosis protocol
- Determine the AAVe protocol
- Identify the importance of Uniswap
- Study the Sushiswap philosophy in depth
- Analyze dY/dX and Synthetix
- Identifying the best markets for NFT exchange

Module 2. Blockchain and Business

- Analyze why we should or should not implement a Blockchain project in our environment
- Examine the challenges we face when implementing a product based on DLT technology
- Adapt knowledge and mental tools to understand the project-oriented Blockchain concept
- Gather all the possibilities offered by the vast blockchain universe, distributed, DeFi, etc.
- Determine when a blockchain project is right or wrong
- Discern between a meaningful project and the Hype surrounding this technology

Module 3. Blockchain. Legal Implications

- Generate specialized knowledge on the Whitepaper concept
- Determining the legal requirements for cryptoassets
- Establish the legal implications in the regulation of cryptocurrencies
- Developing the regulation of tokens and ICOs
- Contrast and compare the current regulations against the EIDAS regulations
- Examine the current regulation of NFTs

Learn about the latest developments in Blockchain technology and apply them to your company"

03

Course Management

This Postgraduate Diploma has a high-level faculty that knows perfectly the business world around Blockchain technology. Therefore, the computer scientist who takes this qualification will be in the hands of a high-level teaching staff made up of active professionals who are up to date with the latest developments in the sector. This ensures that the students will obtain the most up-to-date knowledge and will be able to put it into practice in their own careers immediately.

A high-level teaching staff is waiting for you, ready to tell you about the latest developments in the business world and Blockchain technology"

International Guest Director

Chris Sutton is a leading professional with extensive experience in the field of technology and finance, specializing in the Blockchain area. In fact, he has held the senior position of Director of the Blockchain and Digital Assets Department at Mastercard. In addition, he has been the Founder of the consulting firm N17 Capital, in which he offers advice to companies in the field of Blockchain and digital assets. So, one of his functions has been to identify the components that make up these new tools, analyze them and create working strategies.

His professional experience has included high-level roles in leading companies in the sector, such as Oasis Pro Market, where he has performed duties as Director of Blockchain Services. In addition, he has worked as Mergers and Acquisitions Product Manager at Cisco, and as Product Manager at IBM. These positions have allowed him to stand out internationally for his ability to lead teams, develop innovative strategies and manage large-scale projects.

Throughout his career, he has participated in important technological and financial events. In this sense, Chris Sutton has given presentations and has been part of international panels, along with other leading experts in this sector. In this way, on the occasion of the 15th anniversary of the white paper on Bitcoin, he participated in the events of the FinTech week in Hong Kong. He also presented his expertise at a conference organized by Mastercard in Dubai on banking in the digital age and the impact of digital assets. Likewise, his analyses have focused on delving into the history, principles and future of the Blockchain.

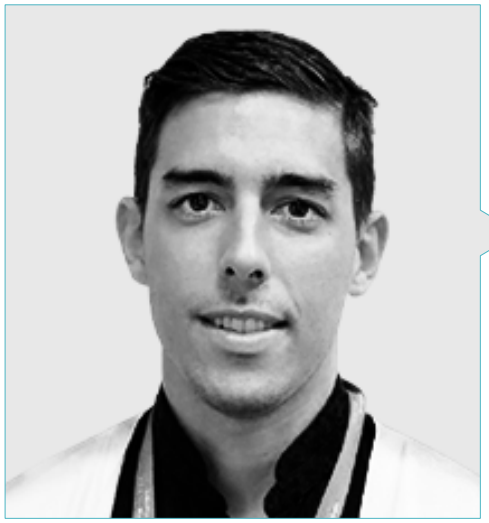
In short, his strategic vision and outstanding skills in programming and algorithms have been key to his success in the international market, consolidating him as a leader in his field.

D. Sutton, Chris

- Director of Blockchain and Digital Assets at Mastercard, Miami, U.S.A.
- Founder of N17 Capital
- Director of Blockchain Services at Oasis Pro Market
- Mergers and Acquisitions Product Manager at Cisco
- Product Manager at IBM
- Contributor at Cointelegraph
- Master's degree in Financial Systems Engineering from University College London
- Bachelor's Degree in Computer Science from Florida International University

Thanks to TECH, you will be able to learn with the best professionals in the world"

Management



Mr. Torres Palomino, Sergio

- Blockchain Architect Telefónica
- Blockchain Architect Signeblock
- Blockchain Developer Blocknitive
- Big Data Engineer Golive Services
- Big Data Engineer IECISA
- Degree in Computer Engineering from San Pablo CEU University
- Master's Degree in Big Data Architecture
- Master's Degree in Big Data and Business Analytics

Professors

Mr. Callejo, Carlos

- Academic Director for 5 editions of the Master's Degree in Applied Blockchain at UEMC and UCAM
- CEO Block Impulse
- CTO Stocken Capital
- Master's Degree in Applied Blockchain
- FP2 Information Systems and Telecommunications
- Co-author of the book Cryptocurrencies For Dummies
- Trainer in the infoproduct Cryptocurrencies for everyone Plus

Ms. Carrascosa, Cristina

- Lawyer and Managing Partner of ATH21
- Cuatrecasas Law Firm
- Broseta Law Firm
- Despacho Pinsent Masons
- Degree in Law from the University of Valencia
- Master's Degree in Business Consulting from IE Law School and Master's Degree in Taxation and Taxation from CEF
- Director of the Blockchain Program at IE Law School
- Co-author of Blockchain: the industrial revolution of the internet

Mr. Herencia, Jesús

- Blockchain and DLT Consultant
- IT Director in Banking (Credit Agricole)
- Diploma in Computer Systems Engineering UPM
- Co-Director of Blockchain Specialist Course at the School of Legal Practice at UCM
- Lecturer at EAE on Cryptoassets and Blockchain

Ms. Foncuberta, Marina

- Lawyer ATH21, Blockchain, Cybersecurity, IT, Privacy and Data Protection.
- Attorney Pinsent Masons, Blockchain Cybersecurity, IT, Privacy and Data Protection Department.
- Lawyer as part of the Secondment Program, Technology, Privacy and Data Protection Department, Wizink
- Lawyer as part of the Secondment Program, Cybersecurity, IT, Privacy and Data Protection Department, IBM
- Law Degree and Postgraduate Certificate in Business Studies from the Universidad Pontifica Comillas
- Master's Degree in Intellectual and Industrial Property, Universidad Pontificia Comillas (ICADE), Madrid
- Program on Law and Blockchain: “Blockchain: Legal Implications"
- Professor at San Pablo CEU University: subject "Law and new technologies: Blockchain”

Mr. Triguero Tirado, Enrique

- Blockchain Infrastructure Technical Manager at UPC-Threepoints
- Chief Technical Officer at Ilusiak
- Project Management Officer at Ilusiak and Deloitte
- ELK Engineer at Everis
- Systems Architect at Everis
- Degree in Technical Engineering in Computer Systems at the Polytechnic University of Valencia
- Master’s Degree in Blockchain and its Business Applications from ThreePoints and the Polytechnic University of Valencia

04

Structure and Content

The curriculum of this Postgraduate Diploma in Blockchain Business Management is composed of 3 modules, subdivided into 10 topics, and delves into the applications of this technology in areas such as DeFi and NFT, the relationship between the business world and the Blockchain or its legal implications. In this way, this syllabus constitutes the best existing educational offer in this field, and will turn those who complete the qualification into true specialists.

Get to know in depth how Blockchain works in the business world thanks to this study plan"

Module 1. Blockchain and its New Applications: DeFi and NFT

1.1. Financial Culture
- 1.1.1. Evolution of Money
- 1.1.2. Fiat money vs. Decentralized Money
- 1.1.3. Digital Bank vs. Open Finance

1.2. Ethereum
- 1.2.1. Technology
- 1.2.2. Decentralized Money
- 1.2.3. Stablecoins

1.3. Other Technology
- 1.3.1. Binance Smart Chain
- 1.3.2. Polygon
- 1.3.3. Solana

1.4. DeFi (Decentralized Finance)
- 1.4.1. DeFi
- 1.4.2. Challenges
- 1.4.3. Open Finance vs. DeFi

1.5. Information Tools
- 1.5.1. Metamask and Decentralized Wallets
- 1.5.2. CoinMarketCap
- 1.5.3. DefiPulse

1.6. Stablecoins
- 1.6.1. Protocol Maker
- 1.6.2. USDC, USDT, BUSD
- 1.6.3. Forms of Collateralization and Risks

1.7. Exchanges and Decentralized Exchanges and Platforms (DEX)
- 1.7.1. Uniswap
- 1.7.2. SushiSwap
- 1.7.3. AAVe
- 1.7.4. dYdX/Synthetix

1.8. NFT Ecosystem (Non-Fungible Tokens)
- 1.8.1. NFTs
- 1.8.2. Typology
- 1.8.3. Features

1.9. Capitulation of Industries
- 1.9.1. Design Industry
- 1.9.2. Fan Token Industry
- 1.9.3. Project Financing

1.10. NFT Markets
- 1.10.1. Opensea
- 1.10.2. Rarible
- 1.10.3. Customized Platforms

Module 2. Blockchain and Business

2.1. Applying Technology throughout the Company
- 2.1.1. Applying Blockchain
- 2.1.2. Blockchain Benefits
- 2.1.3. Common Implementation Mistakes

2.2. Blockchain Implementation Cycle
- 2.2.1. From P2P to Distributed Systems
- 2.2.2. Key Aspects for Proper Implementation
- 2.2.3. Improving Current Implementations

2.3. Blockchain vs. Traditional Technologies: Basics
- 2.3.1. APIs Data and Flows
- 2.3.2. Tokenization as a Cornerstone for Projects
- 2.3.3. Incentives

2.4. Selecting Blockchain Type
- 2.4.1. Public Blockchain
- 2.4.2. Private Blockchain
- 2.4.3. Consortiums

2.5. Blockchain and the Public Sector
- 2.5.1. Blockchain in the Public Sector
- 2.5.2. Central Bank Digital Currency (CBDC)
- 2.5.3. Conclusions

2.6. Blockchain and the Financial Sector Start
- 2.6.1. CBDC and Banking
- 2.6.2. Native Digital Assets
- 2.6.3. Where It Does Not Fit

2.7. Blockchain and the Pharmaceutical Sector
- 2.7.1. Searching for Meaning in the Field
- 2.7.2. Logistics or Pharmacy
- 2.7.3. Application

2.8. Pseudo Private Blockchains: The Point of Consortiums
- 2.8.1. Reliable Environments
- 2.8.2. Analysis and Delving Deeper
- 2.8.3. Valid Implementations

2.9. Blockchain. Usage Case in Europe EBSI
- 2.9.1. EBSI (European Blockchain Services Infrastructure)
- 2.9.2. The Business Model
- 2.9.3. Future

2.10. The Future of Blockchain
- 2.10.1. Trilemma
- 2.10.2. Automization
- 2.10.3. Conclusions

Module 3. Blockchain. Legal Implications

3.1. Bitcoin
- 3.1.1. Bitcoin
- 3.1.2. Whitepaper Analysis
- 3.1.3. Operation of the Proof of Work

3.2. Ethereum
- 3.2.1. Ethereum: Origins
- 3.2.2. Proof of Stake Operation
- 3.2.3. DAO Case

3.3. Current Status of the Blockchain
- 3.3.1. Growth of Cases
- 3.3.2. Blockchain Adoption by Large Companies

3.4. MiCA (Market in Cryptoassets)
- 3.4.1. Birth of the Standard
- 3.4.2. Legal Implications (Obligations, Obligated Parties, etc.)
- 3.4.3. Summary of the Standard

3.5. Prevention of Money Laundering
- 3.5.1. Fifth Directive and its Transposition
- 3.5.2. Obligated Parties
- 3.5.3. Intrinsic Obligations

3.6. Tokens
- 3.6.1. Tokens
- 3.6.2. Types
- 3.6.3. Applicable Regulations in Each Case

3.7. ICO/STO/IEO: Corporate Financing Systems
- 3.7.1. Types of Financing
- 3.7.2. Applicable Regulations
- 3.7.3. Success Stories

3.8. NFT (Non-Fungible Tokens)
- 3.8.1. NFT
- 3.8.2. Applicable Regulations
- 3.8.3. Use Cases and Success (Play to Earn)

3.9. Taxation and Cryptoassets
- 3.9.1. Taxation
- 3.9.2. Income from Work
- 3.9.3. Income from Economic Activities

3.10. Other Applicable Regulations
- 3.10.1. General Data Protection Regulation
- 3.10.2. DORA (Cybersecurity)
- 3.10.3. EIDAS Regulations

Your company will grow rapidly when you start applying everything you learn in this Postgraduate Diploma"

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.

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

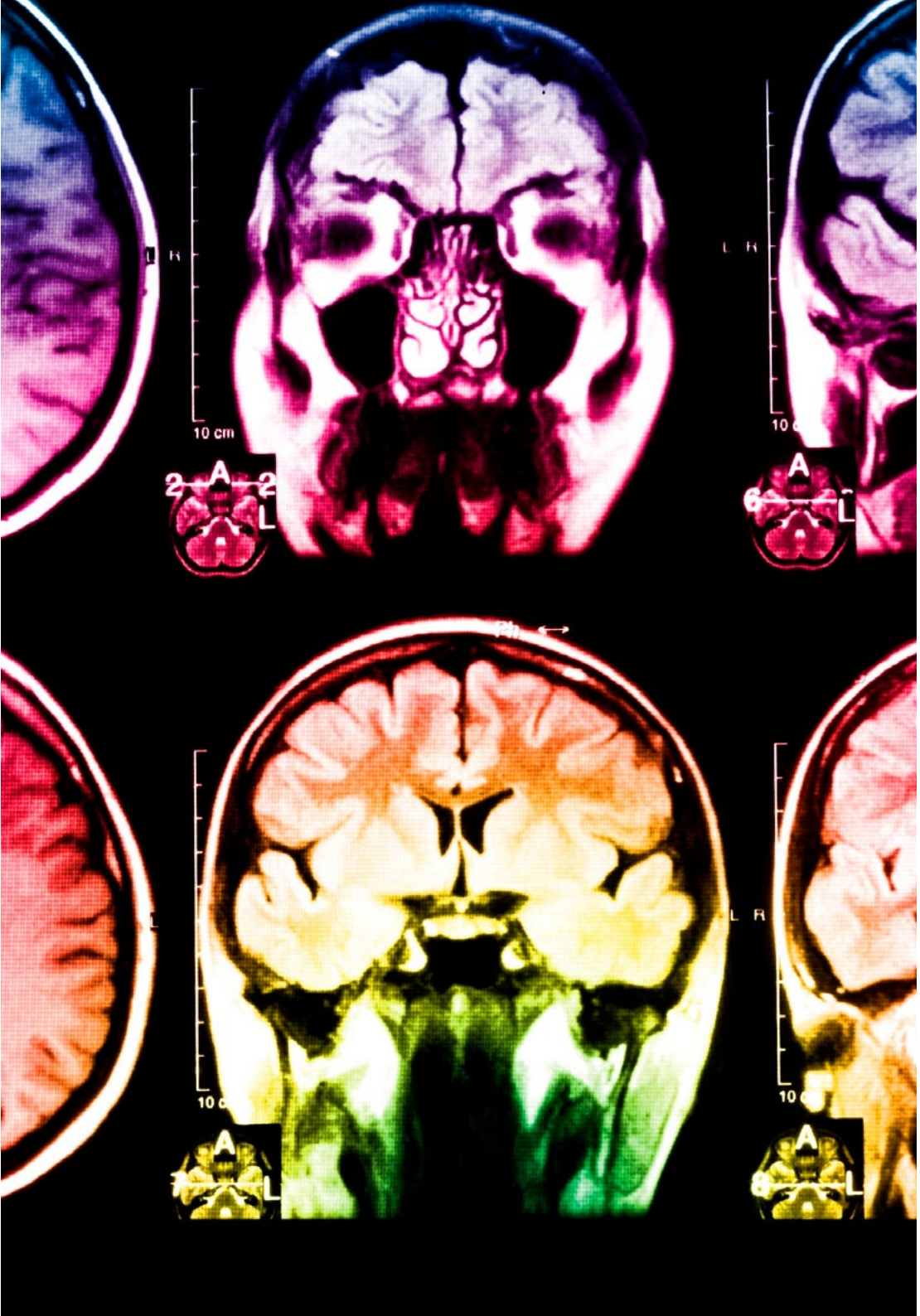
TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

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 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.

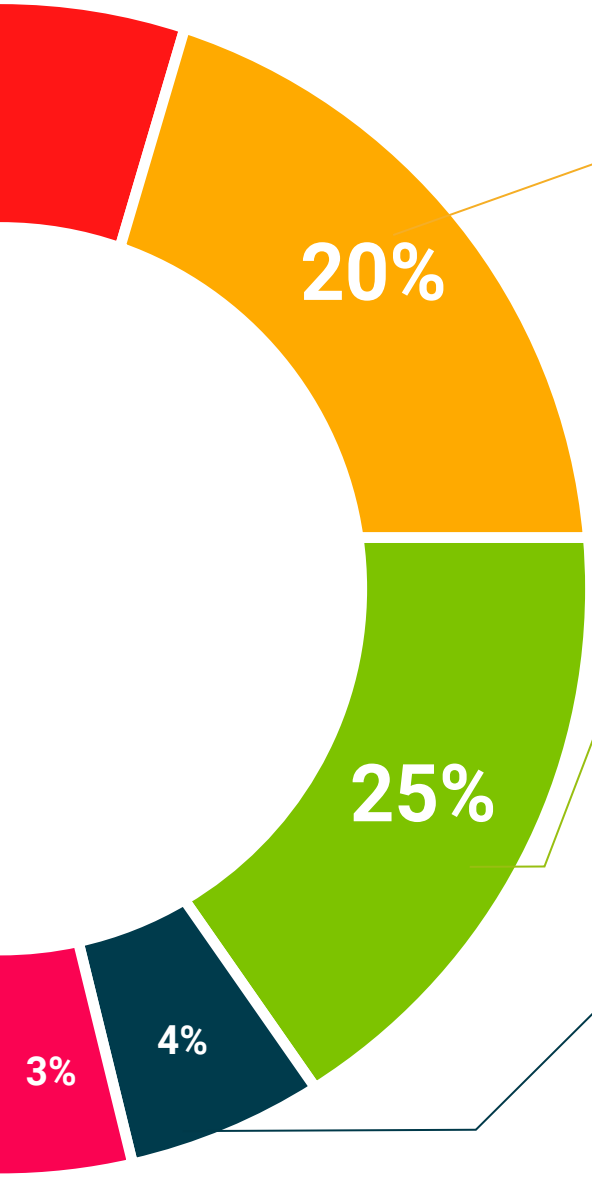
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

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.

06

Certificate

The Postgraduate Diploma in Blockchain Business Management guarantees students, in addition to the most rigorous and up-to-date education, access to a qualification issued by TECH Technological University.

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

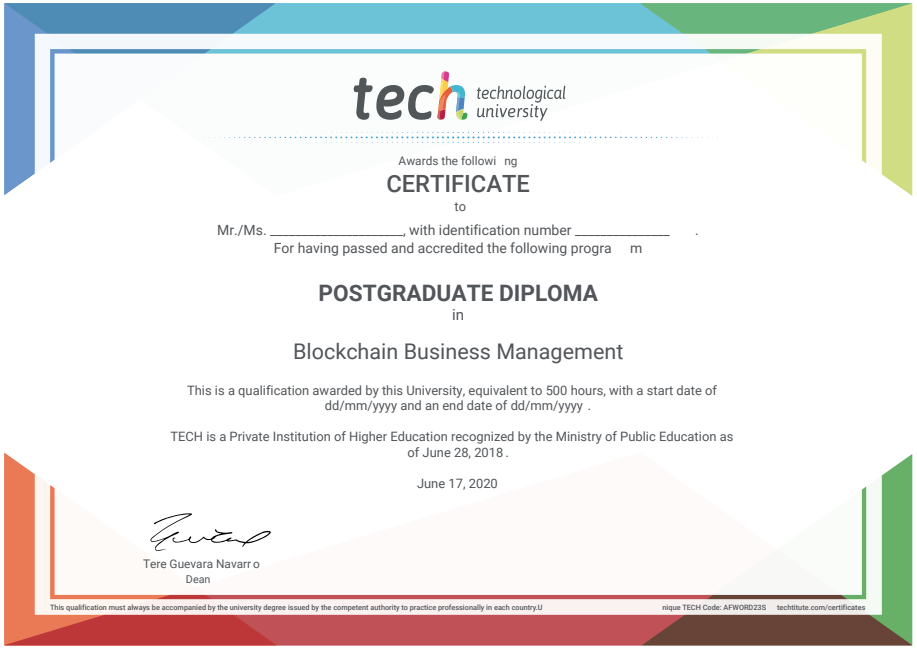
This **Postgraduate Diploma in Blockchain Business Management** contains the most complete and up-to-date program on the market.

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 Blockchain Business Management**

Official Nº of Hours: **450 h.**


tech technological university

Awards the followi ng

CERTIFICATE

to

Mr./Ms. _____, with identification number _____ .

For having passed and accredited the following progra m

POSTGRADUATE DIPLOMA

in

Blockchain Business Management

This is a qualification awarded by this University, equivalent to 500 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy .

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

June 17, 2020

Tere Guevara Navarr o

Dean

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

*Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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