



Postgraduate Diploma
Artificial Intelligence
Techniques Application in the
Software Projects Life Cycle

» Modality: online

» Duration: 6 months

» Certificate: TECH Global University

» Accreditation: 18 ECTS

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/us/artificial-intelligence/postgraduate-diploma/postgraduate-diploma-artificial-intelligence-techniques-application-software-projects-life-cycle

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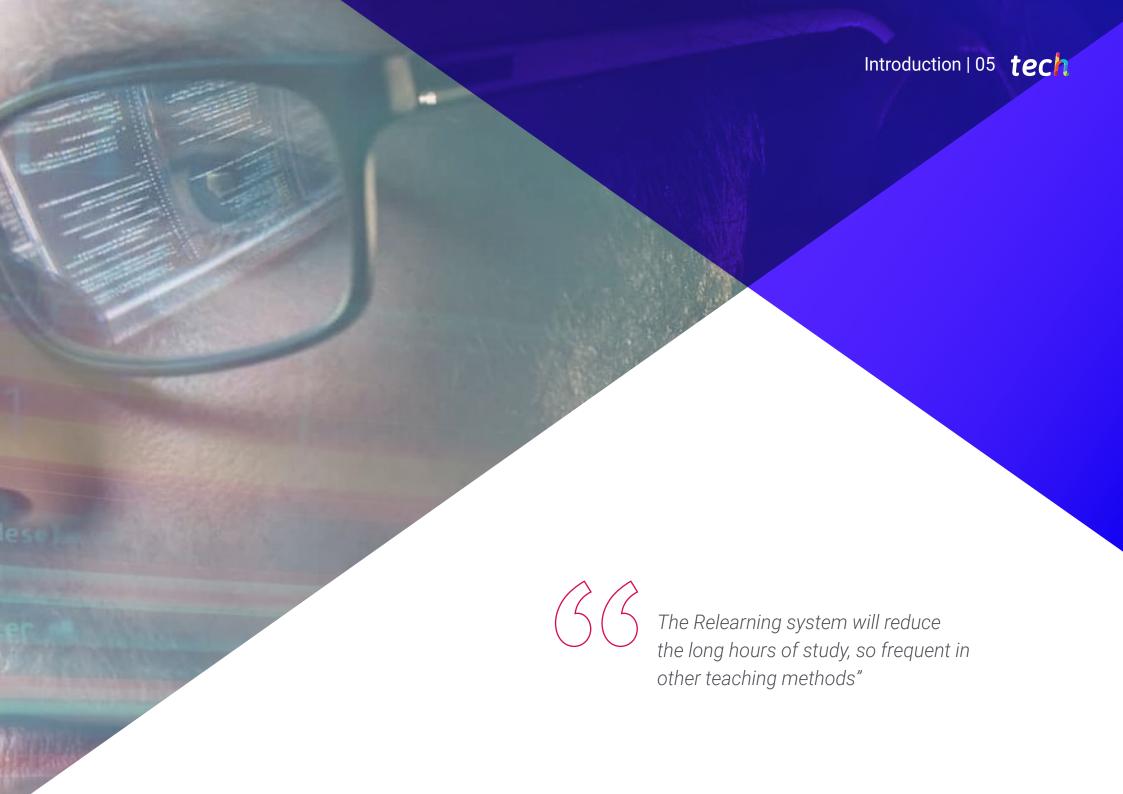
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06 Certificate

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01 Introduction

Software development in web applications using Artificial Intelligence (AI) must be characterized by its security. Therefore, programmers have the task of protecting the privacy of users, ensuring the integrity of their personal data and complying with the regulations established at the international level. Aware of the importance of adopting sound protection practices in digital projects, more and more companies are demanding the incorporation of IT experts in this area. In this way, institutions will develop techniques to prevent cyber-attacks, such as SQL injection. For professionals to take advantage of these opportunities, TECH has developed an advanced 100% online university program, which will allow them to delve into the software architecture for QA Testing.



tech 06 | Introduction

Artificial Intelligence tools play a significant role in improving productivity, both in programming and software development. Among their applications, they can detect and correct errors more efficiently, reducing the time spent on manual debugging. In line with this, these mechanisms search for security vulnerabilities and perform comprehensive security audits, which means optimizing the protection of applications. Therefore, IT specialists can consider aspects such as predicting deadlines or allocating resources to improve their planning.

In this context, TECH has designed a pioneering specialization course that will provide strategies to improve productivity in software development with Artificial Intelligence. Therefore, the agenda will delve into aspects such as repository management, the integration of Machine Learning with databases and automatic translation between programming languages.

Emphasis will also be placed on the implementation of Clean Architecture to computer procedures, since it improves code quality and allows a more collaborative development. On the other hand, the materials will provide the keys to create projects with Intelligent Computing, both in LAMP and MEVN environments. In addition, multiple real case studies and exercises will be included, to bring the development of the program closer to the usual computing practice.

The study plan will be based on a theoretical-practical perspective, offering professionals an intensive learning about web projects with Artificial Intelligence. In this way, students will assimilate the contents thanks to video summaries of each topic, specialized readings and infographics. Likewise, thanks to TECH's Relearning system, programmers will progress in a natural way, consolidating new concepts more easily, therefore reducing the long hours of study. The only requirement for this university program will be to have an electronic device with an Internet connection, to access the Virtual Campus at any time.

This Postgraduate Diploma in Artificial Intelligence Techniques Application in the Software Projects Life Cycle contains the most complete and up-to-date program on the market. The most important features include:

- The development of case studies presented by experts in Artificial Intelligence Techniques Application in the Software Projects Life Cycle
- The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable for professional practice
- Practical exercises where the self-assessment process can be carried out to improve learning
- Its special emphasis on innovative methodologies
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection



You will delve into various strategies that will help you in the maintainability of applications with Machine Learning"



You will delve into code optimization using ChatGPT, one of the latest trends that has revolutionized the IT landscape"

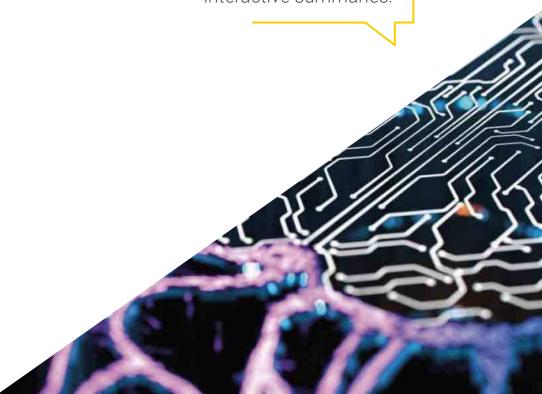
You will prepare the optimal development environments for your IT processes, all thanks to this innovative 100% online program.

The program's teaching staff includes professionals from the industry who contribute their work experience to this 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 course. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.

You will achieve your objectives through TECH's didactic tools, including explanatory videos and interactive summaries.



02 Objectives

Upon completion of this specialization, programmers will master the configuration of software development environments, optimized through the use of Artificial Intelligence. They will also implement Visual Studio Code extensions to their procedures, which will improve productivity. In line with this, professionals will also develop skills to design solid test plans, covering different testing typologies to guarantee the quality of the applications. In addition, they will use the most advanced QA tools for optimal bug detection.

tech 10 | Objectives



General Objectives

- Develop skills to configure and manage efficient development environments, ensuring a solid foundation for the implementation of Artificial Intelligence projects
- Acquire skills in planning, executing and automating quality testing, incorporating Artificial Intelligence tools for bug detection and correction
- Understand and apply performance, scalability and maintainability principles in the design of large-scale computing systems
- Become familiar with the most important design patterns and apply them effectively in software architecture



You will develop the frontend device and design highly personalized user experiences"





Module 1. Improve Software Development Productivity with Artificial Intelligence

- Delve into the implementation of must-have AI extensions in Visual Studio Code to improve productivity and facilitate software development
- Gain a solid understanding of the basic concepts of Artificial Intelligence and its application in software development, including machine learning algorithms, natural language processing, neural networks, etc
- Master the setup of optimized development environments, ensuring that students are able to create environments conducive to Artificial Intelligence projects
- Apply specific techniques using ChatGPT for the automatic identification and correction of potential code improvements, encouraging more efficient programming practices
- Promote collaboration between professionals from different programmers (from programmers to data engineers to user experience designers) to develop effective and ethical Artificial Intelligence software solutions

Module 2. Software Architecture for QA Testing

- Develop skills to design solid test plans, covering different types of testing and ensuring software quality
- Recognize and analyze different types of software frameworks, such as monolithic, microservices or service oriented
- Gain a comprehensive vision of the principles and techniques for designing computer systems that are scalable and capable of handling large volumes of data
- Apply advanced skills in the implementation of Artificial Intelligence-powered data structures to optimize software performance and efficiency
- Develop secure development practices, with a focus on avoiding vulnerabilities to ensure software security at the architectural level

Module 3. Artificial Intelligence for QA Testing

- Master principles and techniques for designing computer systems that are scalable and capable of handling large volumes of data
- Apply advanced skills in the implementation of Artificial Intelligence-powered data structures to optimize software performance and efficiency
- Understand and apply secure development practices, with a focus on avoiding vulnerabilities such as injection, to ensure software security at the architectural level
- Generate automated tests, especially in web and mobile environments, integrating Artificial Intelligence tools to improve process efficiency
- Use advanced Artificial Intelligence-powered QA tools for more efficient bug detection and continuous software improvement





tech 14 | Course Management

Management



Dr. Peralta Martín-Palomino, Arturo

- CEO and CTO at Prometeus Global Solutions
- CTO at Korporate Technologies
- CTO at Al Shephers GmbH
- Consultant and Strategic Business Advisor at Alliance Medical
- Director of Design and Development at DocPath
- PhD. in Psychology from the University of Castilla La Mancha
- PhD in Economics, Business and Finance from the Camilo José Cela University
- PhD in Psychology from the University of Castilla La Mancha
- Máster in Executive MBA from Universidad Isabel I
- Master's Degree in Sales and Marketing Management, Isabel I University
- Expert Master's Degree in Big Data by Hadoop Training
- Master's Degree in Advanced Information Technologies from the University of Castilla La Mancha
- Member of: SMILE Research Group



Mr. Castellanos Herreros, Ricardo

- Chief Technology Officer at OWQLO
- Specialist in Computer Systems Engineering and Machine Learning Engineer
- Freelance Technical Consultant
- Mobile Application Developer for eDreams, Fnac, Air Europa, Bankia, Cetelem, Banco Santander, Santillana, Groupón and Grupo Planeta
- Web Developer for Openbank and Banco Santander
- Technical Engineer in Computer Systems from the University of Castilla la Mancha

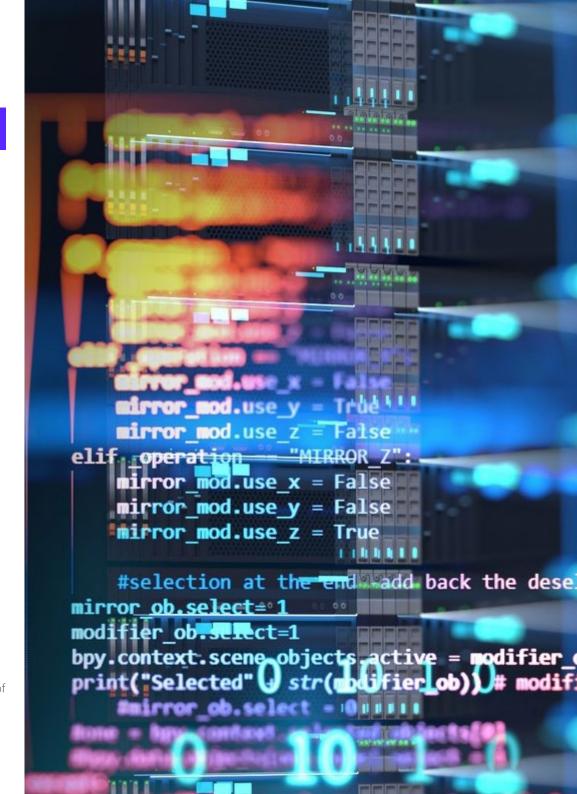




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Module 1. Improve Software Development Productivity with Artificial Intelligence

- 1.1. Preparing a Suitable Development Environment
 - 1.1.1. Selection of Essential Tools for Artificial Intelligence Development
 - 1.1.2. Configuration of the Selected Tools
 - 1.1.3. Implementation of CI/CD Pipelines Adapted to Artificial Intelligence Projects
 - 1.1.4. Efficient Management of Dependencies and Versions in Development Environments
- 1.2. Essential Artificial Intelligence Extensions for Visual Studio Code
 - 1.2.1. Artificial Intelligence Extensions Exploration and Selection for Visual Studio Code
 - 1.2.2. Integrating Static and Dynamic Analysis Tools into the Integrated Development Environment (IDE)
 - 1.2.3. Automation of Repetitive Tasks with Specific Extensions
 - 1.2.4. Customization of the Development Environment to Improve Efficiency
- 1.3. No-Code Design of User Interfaces with AI Elements
 - 1.3.1. No-Code Design Principles and their Application to User Interfaces
 - 1.3.2. Incorporation of Artificial Intelligence Elements in Visual Interface Design
 - 1.3.3. Tools and Platforms for the No-Code Creation of Intelligent Interfaces
 - 1.3.4. Evaluation and Continuous Improvement of No-code Interfaces with Artificial Intelligence
- 1.4. Code Optimization Using ChatGPT
 - 1.4.1. Duplicate Code Detection
 - 1.4.2. Refactor
 - 1.4.3. Create Readable Code
 - 1.4.4. Understanding What Code Does
 - 1.4.5. Improving Variable and Function Naming
 - 1.4.6. Creating Automatic Documentation
- 1.5. Repository Management with Al
 - 1.5.1. Automation of Version Control Processes with Artificial Intelligence Techniques
 - 1.5.2. Conflict Detection and Automatic Resolution in Collaborative Environments
 - 1.5.3. Predictive Analysis of Changes and Trends in Code Repositories
 - .5.4. Improvements in the Organization and Categorization of Repositories by Means of Artificial Intelligence



- 1.6. Integration of AI in Database Management
 - 1.6.1. Query and Performance Optimization Using Artificial Intelligence Techniques
 - 1.6.2. Predictive Analysis of Database Access Patterns
 - 1.6.3. Implementation of Recommender Systems to Optimize Database Structure
 - 1.6.4. Proactive Monitoring and Detection of Potential Database Problems
- 1.7. Fault Detection and Creation of Unit Tests with AI ChatGPT
 - 1.7.1. Automatic Generation of Test Cases using Artificial Intelligence Techniques
 - 1.7.2. Early Detection of Vulnerabilities and Bugs using Static Analysis with Artificial Intelligence
 - 1.7.3. Improving Test Coverage by Identifying Critical Areas by Artificial Intelligence
- 1.8. Pair Programming with GitHub Copilot
 - 1.8.1. Integration and Effective Use of GitHub Copilot in Pair Programming Sessions
 - 1.8.2. Integration Improvements in Communication and Collaboration among Developers with GitHub Copilot
 - 1.8.3. Integration Strategies to Maximize the Use of GitHub Copilot-Generated Code suggestions
 - 1.8.4. Integration Case Studies and Best Practices in Artificial Intelligence-Assisted Pair Programming
- 1.9. Automatic Translation between Programming Languages ChatGPT
 - 1.9.1. Specific Machine Translation Tools and Services for Programming Languages
 - 1.9.2. Adaptation of Machine Translation Algorithms to Development Contexts
 - 1.9.3. Improvement of Interoperability between Different Languages by Machine Translation
 - 1.9.4. Assessment and Mitigation of Potential Challenges and Limitations in Machine Translation
- 1.10. Recommended Artificial Intelligence Tools to Improve Productivity
 - 1.10.1. Comparative Analysis of Artificial Intelligence Tools for Software Development
 - 1.10.2. Integration of Artificial Intelligence Tools in Workflows
 - 1.10.3. Automation of Routine Tasks with Artificial Intelligence Tools
 - 1.10.4. Evaluation and Selection of Tools Based on Project Context and Requirements

Module 2. Artificial Intelligence Software Architecture

- 2.1. Optimization and Performance Management in Al Tools with the help of ChatGPT
 - 2.1.1. Performance Analysis and Profiling in Artificial Intelligence Tools
 - 2.1.2. Algorithm Optimization Strategies and Artificial Intelligence Models
 - 2.1.3. Implementation of Caching and Parallelization Techniques to Improve Performance
 - 2.1.4. Tools and Methodologies for Continuous Real-Time Performance Monitoring
- 2.2. Scalability in Al Applications Using ChatGPT
 - 2.2.1. Scalable Architectures Design for Artificial Intelligence Applications
 - 2.2.2. Implementation of Partitioning and Load Sharing Techniques
 - 2.2.3. Workflow and Workload Management in Scalable Systems
 - 2.2.4. Strategies for Horizontal and Vertical Expansion in Variable Demand Environments
- 2.3. Maintainability of Al Applications Using ChatGPT
 - 2.3.1. Design Principles to Facilitate Maintainability in Artificial Intelligence Projects
 - 2.3.2. Specific Documentation Strategies for Artificial Intelligence Models and Algorithms
 - 2.3.3. Implementation of Unit and Integration Tests to Facilitate Maintainability
 - 2.3.4. Methods for Refactoring and Continuous Improvement in Systems with Artificial Intelligence Components
- 2.4. Large-Scale System Design
 - 2.4.1. Architectural Principles for Large-Scale System Design
 - 2.4.2. Decomposition of Complex Systems into Microservices
 - 2.4.3. Implementation of Specific Design Patterns for Distributed Systems
 - 2.4.4. Strategies for Complexity Management in Large-Scale Architectures with Artificial Intelligence Components
- 2.5. Large-Scale Data Warehousing for Artificial Intelligence Tools
 - 2.5.1. Selection of Scalable Data Storage Technologies
 - 2.5.2. Design of Database Schemas for Efficient Handling of Large Data Volumes
 - 2.5.3. Partitioning and Replication Strategies in Massive Data Storage Environments
 - 2.5.4. Implementation of Data Management Systems to Ensure Integrity and Availability in Artificial Intelligence Projects

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- 2.6. Data Structures with AI Using ChatGPT
 - 2.6.1. Adaptation of Classical Data Structures for Use with Artificial Intelligence Algorithms
 - 2.6.2. Design and Optimization of Specific Data Structures with ChatGPT
 - 2.6.3. Integration of Efficient Data Structures in Data Intensive Systems
 - 2.6.4. Strategies for Real-Time Data Manipulation and Storage in Artificial Intelligence Data Structures
- 2.7. Programming Algorithms for Artificial Intelligence Products
 - 2.7.1. Development and Implementation of Specific Algorithms for Artificial Intelligence Applications
 - 2.7.2. Algorithm Selection Strategies according to Problem Type and Product Requirements
 - 2.7.3. Adaptation of Classical Algorithms for Integration into Al Systems
 - 2.7.4. Evaluation and Performance Comparison between Different Algorithms in Development Contexts with Artificial Intelligence
- 2.8. Design Patterns for Artificial Intelligence Development
 - 2.8.1. Identification and Application of Common Design Patterns in Projects with Artificial Intelligence Components
 - 2.8.2. Development of Specific Patterns for the Integration of Models and Algorithms into Existing Systems
 - 2.8.3. Strategies for the Implementation of Patterns to Improve Reusability and Maintainability in Artificial Intelligence Projects
 - 2.8.4. Case Studies and Best Practices in the Application of Design Patterns in Artificial Intelligence Architectures
- 2.9. Implementation of Clean Architecture using ChatGPT
 - 2.9.1. Fundamental Principles and Concepts of Clean Architecture
 - 2.9.2. Adaptation of Clean Architecture to Projects with Artificial Intelligence Components
 - 2.9.3. Implementation of Layers and Dependencies in Systems with Clean Architecture
 - 2.9.4. Benefits and Challenges of Implementing Clean Architecture in Software Development with Artificial Intelligence





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- 2.10. Secure Software Development in Web Applications with DeepCode
 - 2.10.1. Principles of Security in the Development of Software with Artificial Intelligence Components
 - 2.10.2. Identification and Mitigation of Potential Vulnerabilities in Artificial Intelligence Models and Algorithms
 - 2.10.3. Implementation of Secure Development Practices in Web Applications with Artificial Intelligence Functionalities
 - 2.10.4. Strategies for the Protection of Sensitive Data and Prevention of Attacks in Artificial Intelligence projects

Module 3. Artificial Intelligence for QA Testing

- 3.1. Software Testing Life Cycle
 - 3.1.1. Description and Understanding of the Testing Life Cycle in Software Development
 - 3.1.2. Phases of the Testing Life Cycle and its Importance in Quality Assurance
 - 3.1.3. Integration of Artificial Intelligence in Different Stages of the Testing Life Cycle
 - 3.1.4. Strategies for Continuous Improvement of the Testing Life Cycle using Artificial Intelligence
- 3.2. Test Cases and Bug Detection with the Help of ChatGPT
 - 3.2.1. Effective Test Case Design and Writing in the Context of QA Testing
 - 3.2.2. Identification of Bugs and Errors during Test Case Execution
 - 3.2.3. Application of Early Bug Detection Techniques using Static Analysis
 - 3.2.4. Use of Artificial Intelligence Tools for the Automatic Identification of Bugs in Test Cases
- 3.3. Types of Testing
 - 3.3.1. Exploration of Different Types of Testing in the QA Environment
 - 3.3.2. Unit, Integration, Functional, and Acceptance Testing: Characteristics and Applications
 - 3.3.3. Strategies for the Selection and Appropriate Combination of Testing Types in Projects with ChatGPT
 - 3.3.4. Adaptation of Conventional Testing Types to Projects with ChatGPT
- 3.4. Creation of a Testing Plan Using ChatGPT
 - 3.4.1. Design and Structure of a Comprehensive Testing Plan
 - 3.4.2. Identification of Requirements and Test Scenarios in Artificial Intelligence Projects
 - 3.4.3. Strategies for Manual and Automated Test Planning
 - 3.4.4. Continuous Evaluation and Adjustment of the Testing Plan as the Project Develops

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- 3.5. Artificial Intelligence Bug Detection and Reporting
 - 3.5.1. Implementation of Automatic Bug Detection Techniques using Machine Learning Algorithms
 - 3.5.2. Use of ChatGPT for Dynamic Code Analysis to Search for Possible Bugs
 - 3.5.3. Strategies for Automatic Generation of Detailed Reports on Bugs Detected Using ChatGPT
 - 3.5.4. Effective Collaboration between Development and QA Teams in the Management of Artificial Intelligence-Detected Bugs
- 3.6. Creation of Automated Testing with Artificial Intelligence
 - 3.6.1. Development of Automated Test Scripts for Projects Using ChatGPT
 - 3.6.2. Integration of Artificial Intelligence-Based Test Automation Tools
 - 3.6.3. Using ChatGPT for Dynamic Generation of Automated Test Cases
 - 3.6.4. Strategies for Efficient Execution and Maintenance of Automated Test Cases in Artificial Intelligence Projects

3.7. API Testing

- 3.7.1. Fundamental Concepts of API Testing and its Importance in QA
- 3.7.2. Development of Tests for the Verification of APIs in Environments Using ChatGPT
- 3.7.3. Strategies for Data and Results Validation in API Testing with ChatGPT
- 3.7.4. Use of Specific Tools for API Testing in Projects with Artificial Intelligence
- 3.8. Artificial Intelligence Tools for Web Testing
 - 3.8.1. Exploration of Artificial Intelligence Tools for Test Automation in Web Environments
 - 3.8.2. Integration of Element Recognition and Visual Analysis Technologies in Web Testing
 - 3.8.3. Strategies for Automatic Detection of Changes and Performance Problems in Web Applications Using ChatGPT
 - 3.8.4. Evaluation of Specific Tools for Improving Efficiency in Web Testing with Artificial Intelligence

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- 8.9. Mobile Testing Using Artificial Intelligence
 - 3.9.1. Development of Testing Strategies for Mobile Applications with Al Components
 - 3.9.2. Integration of Specific Testing Tools for Artificial Intelligence-Based Mobile Platforms
 - 3.9.3. Use of ChatGPT for Detecting Performance Problems in Mobile Applications
 - 3.9.4. Strategies for the Validation of Interfaces and Specific Functions of Mobile Applications with Artificial Intelligence
- 3.10. QA Tools with Artificial Intelligence
 - 3.10.1. Exploration of QA Tools and Platforms that Incorporate Artificial Intelligence Functionality
 - 3.10.2. Evaluation of Tools for Efficient Test Management and Test Execution in Artificial Intelligence Projects
 - 3.10.3. Using ChatGPT for the Generation and Optimization of Test Cases
 - 3.10.4. Strategies for Effective Selection and Adoption of QA Tools with Artificial Intelligence Capabilities





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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.



Methodology | 29 tech

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.



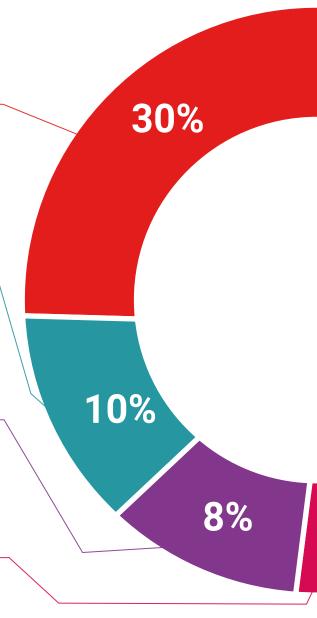
Practising Skills and Abilities

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.





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.

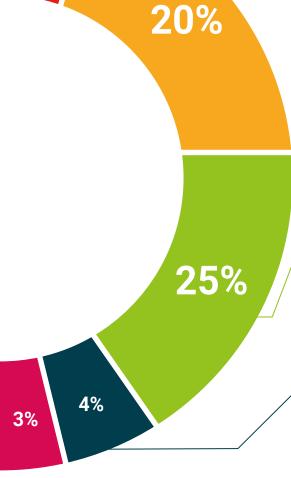


This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

Testing & Retesting

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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.







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This private qualification will allow you to obtain a **Postgraduate Certificate in Artificial Intelligence Techniques Application in the Software Projects Life Cycle** endorsed by **TECH Global University**, the world's largest online university.

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

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

Title: Postgraduate Certificate in Artificial Intelligence Techniques Application in the Software Projects Life Cycle

Modality: online

Duration: 6 months

Accreditation: 18 ECTS



Mr./Ms. _____, with identification document _____ has successfully passed and obtained the title of:

Postgraduate Diploma in Artificial Intelligence Techniques Application in the Software Projects Life Cycle

This is a private qualification of 540 hours of duration equivalent to 18 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024



^{*}Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

health confidence people
health information tutors
education information teaching
guarantee accreditation teaching
institutions technology learning



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