

# Postgraduate Diploma Multiplatform Application Development using Artificial Intelligence





## Postgraduate Diploma Multiplatform Application Development using Artificial Intelligence

- » Modality: **online**
- » Duration: **6 months**
- » Certificate: **TECH Global University**
- » Accreditation: **18 ECTS**
- » Schedule: **at your own pace**
- » Exams: **online**

Website: [www.techtute.com/us/information-technology/postgraduate-diploma/postgraduate-diploma-multiplatform-application-development-artificial-intelligence](http://www.techtute.com/us/information-technology/postgraduate-diploma/postgraduate-diploma-multiplatform-application-development-artificial-intelligence)

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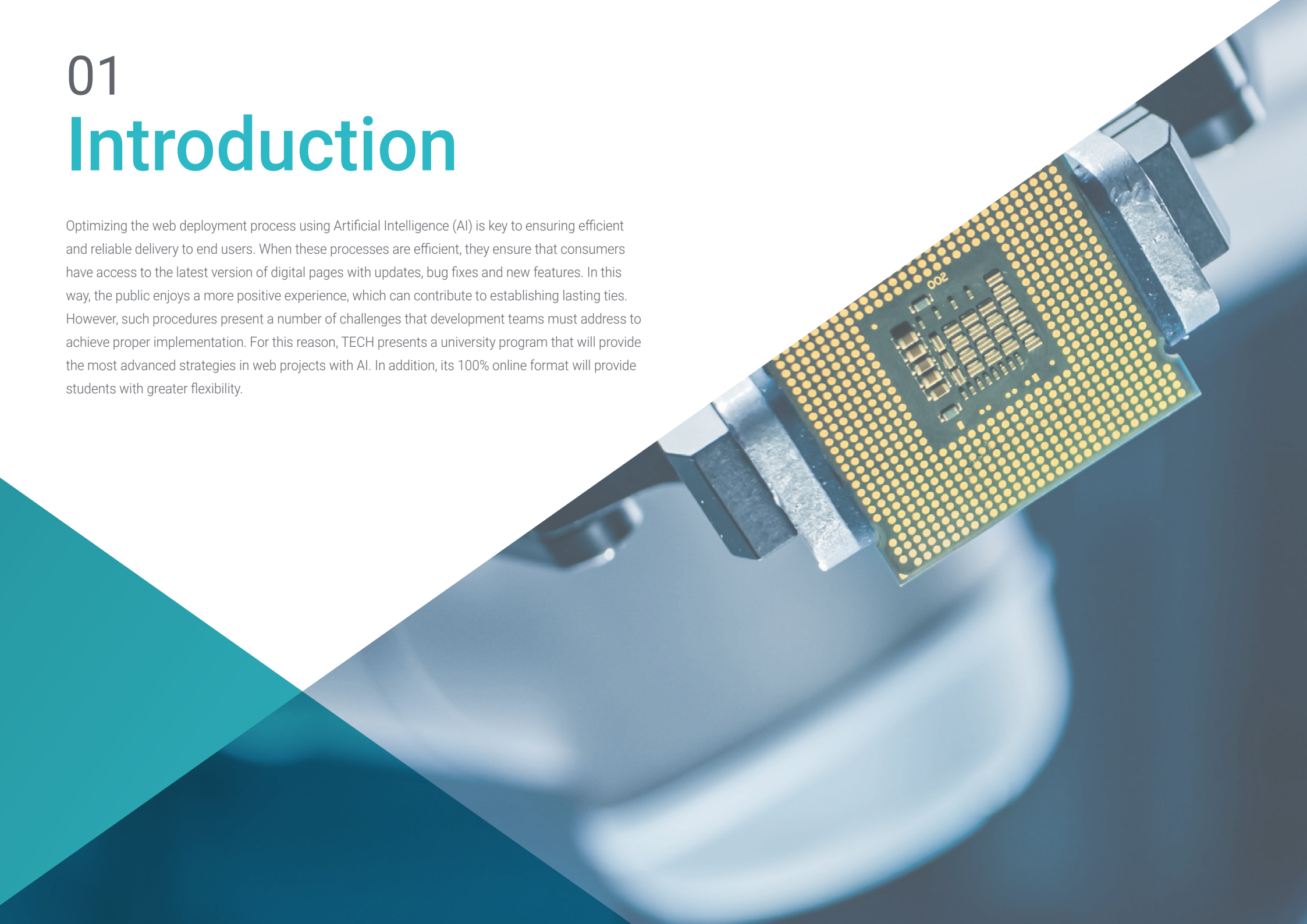
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# 01

# Introduction

Optimizing the web deployment process using Artificial Intelligence (AI) is key to ensuring efficient and reliable delivery to end users. When these processes are efficient, they ensure that consumers have access to the latest version of digital pages with updates, bug fixes and new features. In this way, the public enjoys a more positive experience, which can contribute to establishing lasting ties. However, such procedures present a number of challenges that development teams must address to achieve proper implementation. For this reason, TECH presents a university program that will provide the most advanced strategies in web projects with AI. In addition, its 100% online format will provide students with greater flexibility.



“

*Address Frontend Development  
in the best digital university in  
the world according to Forbes”*

Improving productivity in software development with Machine Learning has a significant impact on the quality of IT projects. For example, its systems allow applications to improve over time and adapt to user needs. Therefore, professionals implement development processes that are both more efficient and cost-effective. In this sense, companies gain competitive advantages by being able to adapt quickly to changing market needs and deliver goods or services immediately. This allows them to differentiate themselves from their competitors, while launching innovative products to capture the public's attention.

In order to optimize these procedures through AI, TECH is launching an exclusive program aimed at IT professionals. The syllabus will focus on the integration of Machine Learning in database management, allowing students to search for potential bugs in software and create unit tests. The syllabus will also delve into how students can optimize deployment processes on web pages. Furthermore, the teaching materials will delve into the many benefits of cloud computing, including greater scalability of resources in a flexible manner. The program is designed to provide 540 hours of specialization, and all theoretical and practical knowledge is presented through high quality multimedia content, master classes and video techniques that allow for an interchangeable learning experience.

This program is delivered in an online format and uses the Relearning methodology based on the reiteration of fundamental concepts throughout the syllabus to facilitate the integration of knowledge in a natural and progressive way. In addition, professionals will be able to access the materials and tools at any time and from anywhere. In this way, they will be able to combine their professional tasks and their personal lives with a first level update specialization.

This **Postgraduate Diploma in Multiplatform Application Development using Artificial Intelligence** contains the most complete and up-to-date educational program on the market. The most important features include:

- ♦ Development of practical cases presented by experts in Artificial Intelligence in Programming
- ♦ The graphic, schematic and practical contents with which it is conceived provide scientific and practical information on those 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 assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*You will implement effective strategies with which you will optimize the deployment of your websites and respond with immediacy to market demands”*

“

*Do you want to specialize in Firebase Configuration? Achieve your goals with this innovative program in just 6 months”*

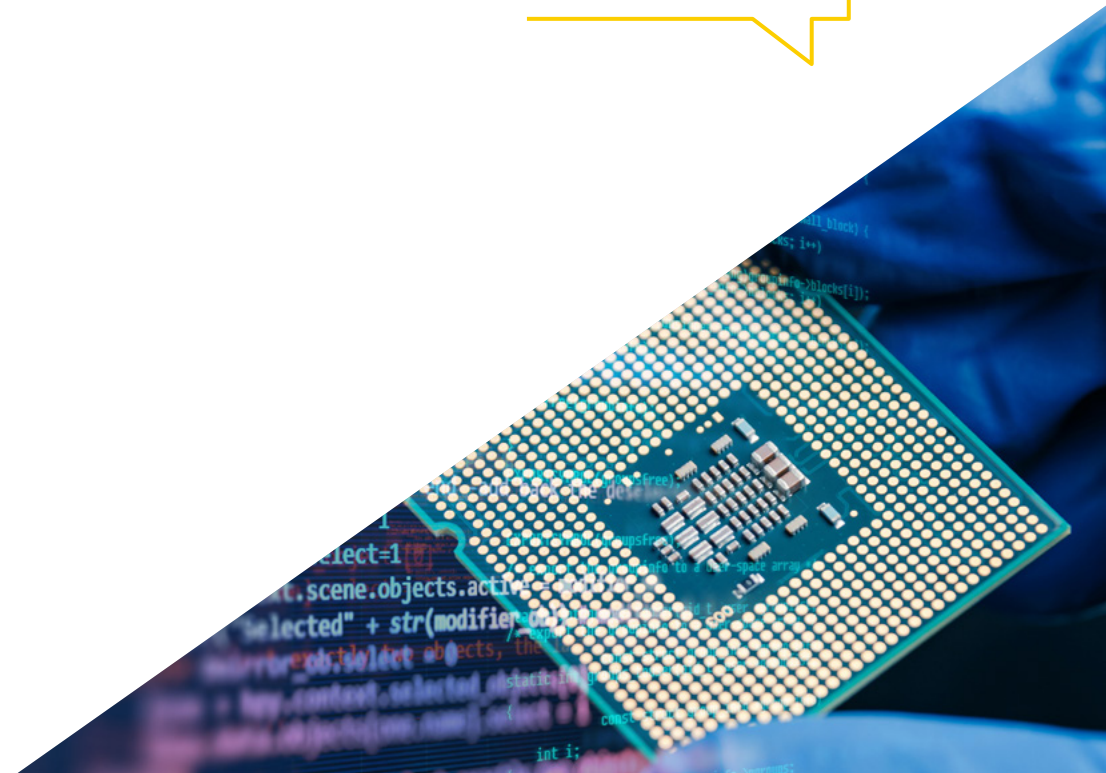
The program's teaching staff includes professionals from the sector who contribute their work experience to this specializing program, as well as renowned specialists from leading societies and prestigious universities.

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 delve into machine translation between different programming languages to create applications that work on a variety of platforms.*

*The Relearning system applied by TECH in its programs reduces the long hours of study so frequent in other teaching methods.*



# 02 Objectives

This Postgraduate Diploma will enable graduates to master the configuration of optimized development environments. In addition, computer scientists will apply concrete techniques using ChatGTP for the automatic identification and correction of possible code improvements. It should be noted that students will acquire comprehensive skills aimed at the implementation of web projects, from Frontend design to Backend optimization. In addition, programmers will create interactive screens, icons and other graphic resources to improve the user experience in mobile applications.





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*You will master the main Artificial Intelligence tools to improve productivity in software development”*



## General Objectives

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- ♦ Develop skills to configure and manage efficient development environments, ensuring a solid foundation for the implementation of AI projects
- ♦ Acquire skills in planning, executing and automating quality testing, incorporating AI 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



*With the highest rated study methods of online teaching, this university program will allow you to make unstoppable progress in your professional growth”*





## Specific Objectives

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### 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 basic AI concepts and their application in software development, including machine learning algorithms, natural language processing, neural networks, etc.
- ♦ Master the configuration of optimized development environments, ensuring that students are able to create environments conducive to AI 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 AI software solutions

### Module 2. Web Projects with Artificial Intelligence

- ♦ Develop comprehensive skills for the implementation of web projects, from frontend design to backend optimization, with the inclusion of AI elements
- ♦ Optimize the process of deploying websites, incorporating techniques and tools to improve speed and efficiency
- ♦ Integrate AI into cloud computing, enabling students to create highly scalable and efficient web projects
- ♦ Acquire the ability to identify specific problems and opportunities in web projects where AI can be effectively applied, such as in text processing, personalization, content recommendation, etc.
- ♦ Encourage students to keep abreast of the latest trends and advances in AI for its proper application in web projects

### Module 3. Artificial Intelligence Mobile Applications

- ♦ Apply advanced concepts of clean architecture, datasources and repositories to ensure a robust and modular structure in AI-enabled mobile applications
- ♦ Develop skills to design interactive screens, icons and graphical resources using AI to enhance the user experience in mobile applications
- ♦ Delve into the configuration of the mobile app framework and use Github Copilot to streamline the development process
- ♦ Optimize mobile applications with AI for efficient performance, taking into account resource management and data usage
- ♦ Perform quality testing of AI mobile applications, enabling students to identify problems and debug bugs

# 03

# Course Management

This Postgraduate Diploma in Multiplatform Application Development using Artificial Intelligence has been developed by a first class teaching team. These professionals have an extensive professional background, being part of internationally recognized IT companies. In addition to staying at the technological forefront, these specialists have a broad perspective towards the future needs of the sector and expose them in a didactic way. Therefore, computer scientists will learn from the best in the industry, with the guarantee of having the most up-to-date knowledge.



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*Specialize with the best! The diversity of talents and knowledge of the teaching staff will create a dynamic learning environment”*

## Management



### Dr. Peralta Martín-Palomino, Arturo

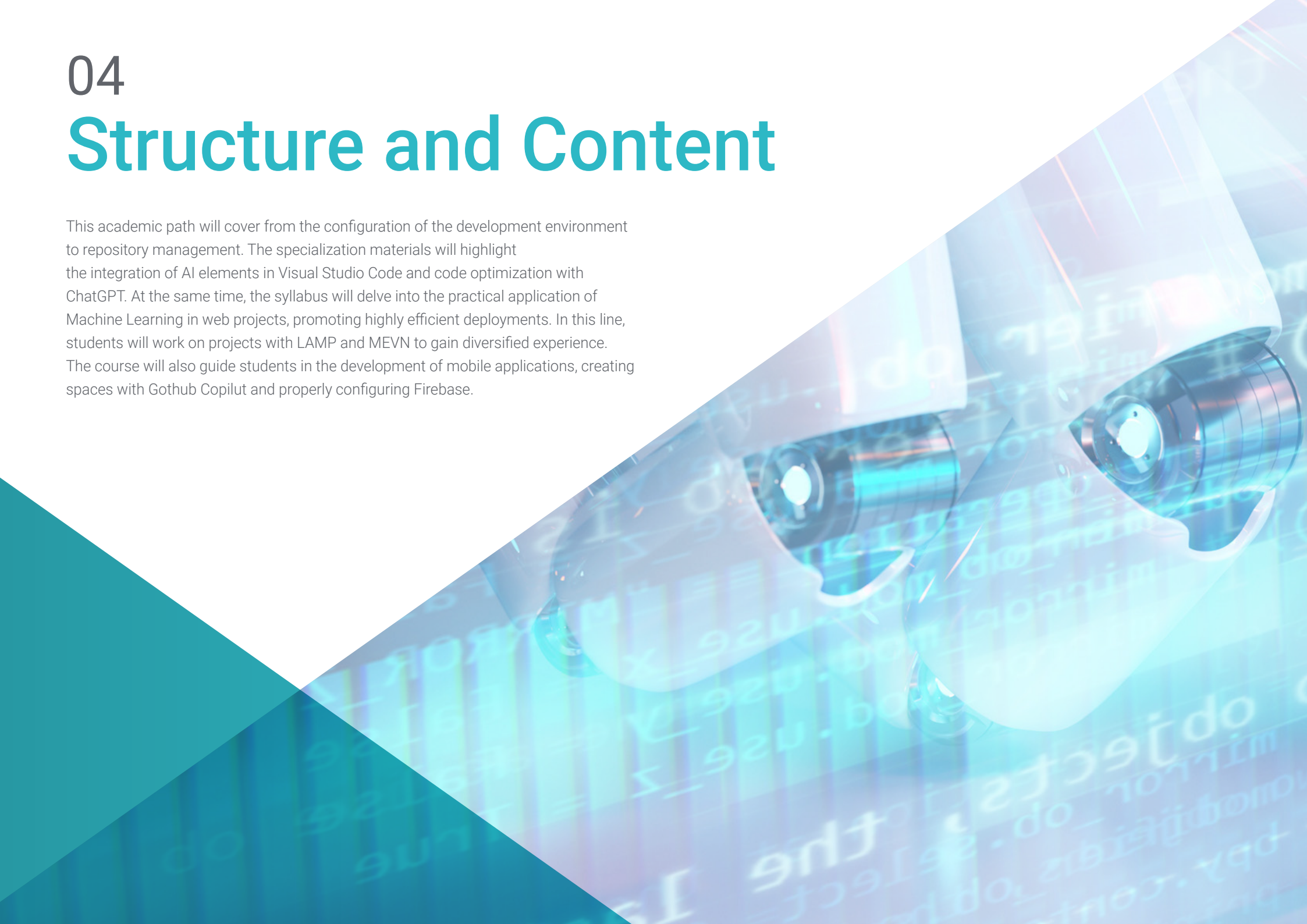
- CEO and CTO at Prometheus Global Solutions
- CTO at Korporate Technologies
- CTO at AI Shephers GmbH
- Consultant and Strategic Business Advisor at Alliance Medical
- Director of Design and Development at DocPath
- PhD. in Psychology from the University of Castilla La Mancha
- PhD in Economics, Business 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



# 04

# Structure and Content

This academic path will cover from the configuration of the development environment to repository management. The specialization materials will highlight the integration of AI elements in Visual Studio Code and code optimization with ChatGPT. At the same time, the syllabus will delve into the practical application of Machine Learning in web projects, promoting highly efficient deployments. In this line, students will work on projects with LAMP and MEVN to gain diversified experience. The course will also guide students in the development of mobile applications, creating spaces with Github Copilot and properly configuring Firebase.







“

*You will optimize codes using ChatGPT and generate automatic documentations for easy understanding”*

## Module 1. Software Development Productivity Improvement with AI

- 1.1. Preparing a Suitable Development Environment
  - 1.1.1. Essential Tools selection for AI Development
  - 1.1.2. Configuration of the Selected Tools
  - 1.1.3. Implementation of CI/CD Pipelines Adapted to AI Projects
  - 1.1.4. Efficient Management of Dependencies and Versions in Development Environments
- 1.2. Essential AI Extensions for Visual Studio Code
  - 1.2.1. Exploring and Selecting AI Extensions 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 AI 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 AI
- 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 AI
  - 1.5.1. Automation of Version Control Processes with AI Techniques
  - 1.5.2. Conflict Detection and Automatic Resolution in Collaborative Environments
  - 1.5.3. Predictive Analysis of Changes and Trends in Code Repositories
  - 1.5.4. Improvements in the Organization and Categorization of Repositories using AI
- 1.6. Integration of AI in Database Management
  - 1.6.1. Optimization of Queries and Performance Using AI 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 AI Techniques
  - 1.7.2. Early Detection of Vulnerabilities and Bugs using Static Analysis with AI
  - 1.7.3. Improving Test Coverage by Identifying Critical Areas by AI
- 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 AI-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 AI Tools to Improve Productivity
  - 1.10.1. Comparative Analysis of AI Tools for Software Development
  - 1.10.2. Integration of AI Tools in Workflows
  - 1.10.3. Automation of Routine Tasks with AI Tools
  - 1.10.4. Evaluation and Selection of Tools Based on Project Context and Requirements

## Module 2. Website Projects with AI

- 2.1. Working Environment Preparation for Web Development with AI
  - 2.1.1. Configuration of Web Development Environments for Projects with Artificial Intelligence
  - 2.1.2. Selection and Preparation of Essential Tools for Web Development with AI
  - 2.1.3. Integration of Specific Libraries and Frameworks for Web Projects with Artificial Intelligence
  - 2.1.4. Implementation of Best Practices in the Configuration of Collaborative Development Environments
- 2.2. Workspace Creation for AI Projects with GitHub Copilot
  - 2.2.1. Effective Design and Organization of Workspaces for Web Projects with Artificial Intelligence Components
  - 2.2.2. Use of Project Management and Version Control Tools in the Workspace
  - 2.2.3. Strategies for Efficient Collaboration and Communication in the Development Team
  - 2.2.4. Adaptation of the Workspace to the Specific Needs of AI Web Projects
- 2.3. Design Patterns in Github Copilot Products
  - 2.3.1. Identification and Application of Common Design Patterns in User Interfaces with Artificial Intelligence Elements
  - 2.3.2. Development of Specific Patterns to Improve the User Experience in AI Web Projects
  - 2.3.3. Integration of Design Patterns in the Overall Architecture of Web Projects with Artificial Intelligence
  - 2.3.4. Evaluation and Selection of Appropriate Design Patterns According to the Project's Context
- 2.4. Frontend Development with GitHub Copilot
  - 2.4.1. Integration of AI Models in the Presentation Layer of Web Projects
  - 2.4.2. Development of Adaptive User Interfaces with Artificial Intelligence Elements
  - 2.4.3. Implementation of Natural Language Processing (NLP) Functionalities in Frontend Development
  - 2.4.4. Strategies for Performance Optimization in Frontend Development with AI
- 2.5. Database Creation using GitHub Copilot
  - 2.5.1. Selection of Database Technologies for Web Projects with Artificial Intelligence
  - 2.5.2. Design of Database Schemas for Storing and Managing AI-Related Data
  - 2.5.3. Implementation of Efficient Storage Systems for Large Volumes of Data Generated by AI Models
  - 2.5.4. Strategies for Security and Protection of Sensitive Data in AI Web Project Databases
- 2.6. Back-End Development with GitHub Copilot
  - 2.6.1. Integration of AI Services and Models in the Back-End Business Logic
  - 2.6.2. Development of Specific APIs and Endpoints for Communication between Front-End and AI Components
  - 2.6.3. Implementation of Data Processing and Decision-Making Logic in the Backend with Artificial Intelligence
  - 2.6.4. Strategies for Scalability and Performance in Back-End Development of Web Projects with AI

- 2.7. Optimization of the Deployment Process of Your Website
  - 2.7.1. Automation of Web Project Build and Deployment Processes with ChatGPT
  - 2.7.2. Implementing CI/CD Pipelines Tailored to Web Applications with Github Copilot
  - 2.7.3. Strategies for Efficient Release and Upgrade Management in Continuous Deployments
  - 2.7.4. Post-Deployment Monitoring and Analysis for Continuous Process Improvement
- 2.8. AI in Cloud Computing
  - 2.8.1. Integration of Artificial Intelligence Services in Cloud Computing Platforms
  - 2.8.2. Development of Scalable and Distributed Solutions using Cloud Services with AI Capabilities
  - 2.8.3. Strategies for Efficient Resource and Cost Management in Cloud Environments with AI-enabled Web Applications
  - 2.8.4. Evaluation and Comparison of Cloud Service Providers for AI-enabled Web Projects
- 2.9. Creating an AI Project for LAMP Environments with the Help of ChatGPT
  - 2.9.1. Adaptation of Web Projects Based on the LAMP Stack to Include Artificial Intelligence Components
  - 2.9.2. Integration of AI-specific Libraries and Frameworks in LAMP Environments
  - 2.9.3. Development of AI Functionalities that Complement the Traditional LAMP Architecture
  - 2.9.4. Strategies for Optimization and Maintenance in Web Projects with AI in LAMP Environments
- 2.10. Creating an AI Project for MEVN Environments Using ChatGPT
  - 2.10.1. Integration of MEVN Stack Technologies and Tools with Artificial Intelligence Components
  - 2.10.2. Development of Modern and Scalable Web Applications in MEVN Environments with AI Capabilities
  - 2.10.3. Implementation of Data Processing and Machine Learning functionalities in MEVN Projects
  - 2.10.4. Strategies for Performance and Security Enhancement of AI-enabled Web Applications in MEVN Environments

### Module 3. Mobile Applications with AI

- 3.1. Working Environment Preparation for mobile Development with AI
  - 3.1.1. Configuration of Mobile Development Environments for Projects with Artificial Intelligence
  - 3.1.2. Selection and Preparation of Specific Tools for Mobile Application Development with AI
  - 3.1.3. Integration of AI-Libraries and Frameworks in Mobile Development Environments
  - 3.1.4. Configuration of Emulators and Real Devices for Testing Mobile Applications with AI Components
- 3.2. Creation of a Workspace with GitHub Copilot
  - 3.2.1. Integration of GitHub Copilot in Mobile Development Environments
  - 3.2.2. Effective Use of GitHub Copilot for Code Generation in AI Projects
  - 3.2.3. Strategies for Developer Collaboration when Using GitHub Copilot in the Workspace
  - 3.2.4. Best Practices and Limitations in the Use of GitHub Copilot in Mobile Application Development with AI
- 3.3. Firebase Configuration
  - 3.3.1. Initial Configuration of a Firebase Project for Mobile Development
  - 3.3.2. Firebase Integration in Mobile Applications with Artificial Intelligence Functionality
  - 3.3.3. Use of Firebase Services as Database, Authentication, and Notifications in AI projects
  - 3.3.4. Strategies for Real-Time Data and Event Management in Firebase-enabled Mobile Applications
- 3.4. Concepts of Clean Architecture, DataSources, Repositories
  - 3.4.1. Fundamental Principles of Clean Architecture in Mobile Development with AI
  - 3.4.2. Implementation of DataSources and Repositories Layers with GitHub Copilot
  - 3.4.3. Design and Structuring of Components in Mobile Projects with Github Copilot
  - 3.4.4. Benefits and Challenges of Implementing Clean Architecture in Mobile Applications with AI

- 3.5. Creating Authentication Screen with GitHub Copilot
  - 3.5.1. Design and Development of User Interfaces for Authentication Screens in Mobile Applications with IA
  - 3.5.2. Integration of Authentication Services with Firebase in the Login Screen
  - 3.5.3. Use of Security and Data Protection Techniques in the Authentication Screen
  - 3.5.4. Personalization and Customization of the User Experience in the Authentication Screen
- 3.6. Creating Dashboard and Navigation with GitHub Copilot
  - 3.6.1. Dashboard Design and Development with Artificial Intelligence Elements
  - 3.6.2. Implementation of Efficient Navigation Systems in Mobile Applications with AI
  - 3.6.3. Integration of AI Functionalities in the Dashboard to Improve User Experience
- 3.7. Listing Screen Creation using GitHub Copilot
  - 3.7.1. Development of User Interfaces for Listing Screens in AI-enabled Mobile Applications
  - 3.7.2. Integration of Recommendation and Filtering Algorithms into the Listing Screen
  - 3.7.3. Use of Design Patterns for Effective Presentation of Data in the Listing Screen
  - 3.7.4. Strategies for Efficient Loading of Real-Time Data into the Listing Screen
- 3.8. Creating Details Screen with GitHub Copilot
  - 3.8.1. Design and Development of Detailed User Interfaces for the Presentation of Specific Information
  - 3.8.2. Integration of AI Functionalities to Enrich the Detailed Screen
  - 3.8.3. Implementation of Interactions and Animations in the Detailed Screen
  - 3.8.4. Strategies for Performance Optimization in Loading and Detail Display in AI-enabled Mobile Applications
- 3.9. Creating a Settings Screen with GitHub Copilot
  - 3.9.1. Development of User Interfaces for Configuration and Settings in AI-enabled Mobile Applications
  - 3.9.2. Integration of Customized Settings Related to Artificial Intelligence Components
  - 3.9.3. Implementation of Customized Options and Preferences in the Settings Screen
  - 3.9.4. Strategies for Usability and Clarity in the Presentation of Options in the Settings Screen
- 3.10. Creation of Icons, Splash and Graphic Resources for Your App with AI
  - 3.10.1. Design and Creation of Attractive Icons to Represent the AI Mobile Application
  - 3.10.2. Development of Splash Screens with Impactful Visuals
  - 3.10.3. Selection and Adaptation of Graphic Resources to Enhance the Aesthetics of the Mobile Application
  - 3.10.4. Strategies for Consistency and Visual Branding in the Graphic Elements of the Application with AI



*Make the most of this opportunity to learn about the latest advances in this subject to apply it to your daily practice”*

# 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 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.



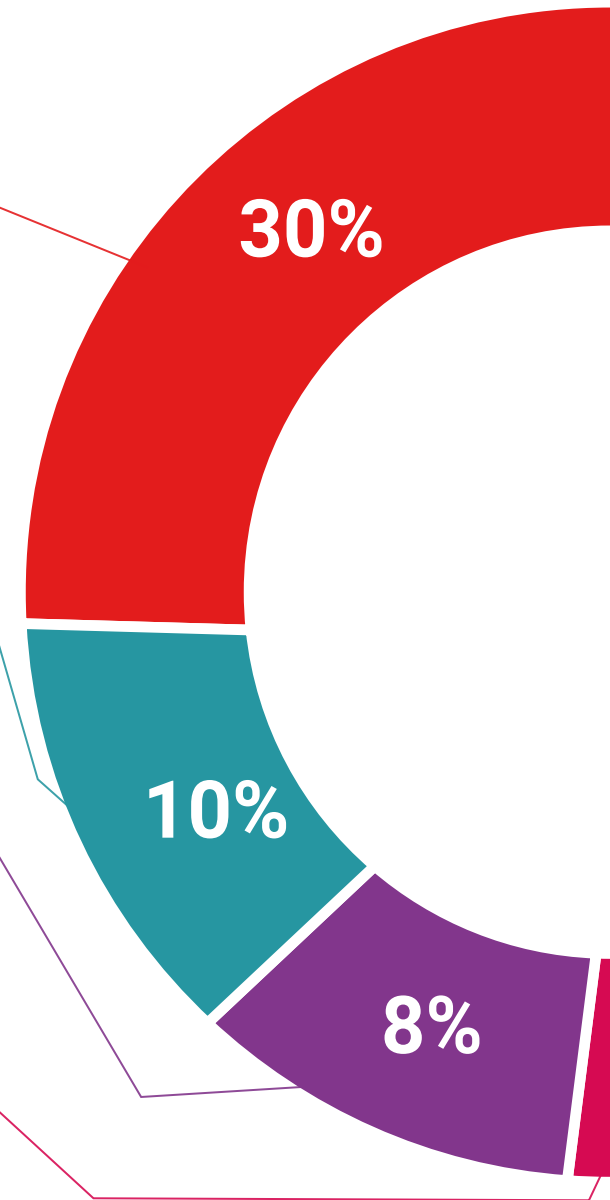
### Practising Skills and Abilities

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 Multiplatform Application Development using Artificial Intelligence guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Global University.



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

This private qualification will allow you to obtain a **Postgraduate Diploma in Multiplatform Application Development using Artificial Intelligence** 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.

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



Postgraduate Diploma  
Multiplatform Application  
Development using  
Artificial Intelligence

- » Modality: **online**
- » Duration: **6 months**
- » Certificate: **TECH Global University**
- » Accreditation: **18 ECTS**
- » Schedule: **at your own pace**
- » Exams: **online**

# Postgraduate Diploma

## Multiplatform Application Development using Artificial Intelligence