

# Postgraduate Diploma Innovation in Design through Artificial Intelligence



## Postgraduate Diploma Innovation in Design through 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/inteligencia-artificial/postgraduate-diploma/postgraduate-diploma-Innovation-Design-Artificial-Intelligence](http://www.techtute.com/us/inteligencia-artificial/postgraduate-diploma/postgraduate-diploma-Innovation-Design-Artificial-Intelligence)

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# 01

# Introduction

Innovation in Design through Artificial Intelligence represents a transcendental advance in the industry, offering significant benefits in multiple aspects. For example, AI in Design enables greater efficiency by streamlining creative processes, automating repetitive tasks and optimizing idea generation. It also facilitates personalization by analyzing data and preferences to create tailored solutions, improving the user experience.

This technology also enhances the exploration of new creative possibilities by combining data and patterns in innovative ways, pushing human creativity towards unprecedented levels of collaboration with machines. For this reason, TECH has conceived this program, based on the innovative *Relearning* method, consisting of the repetition of fundamental ideas for optimal learning.



A hand holding a pen, with a blue and white geometric background. The hand is positioned in the upper left, holding a black pen. The background is split diagonally from the top right to the bottom left, with a dark blue upper right section and a white lower left section.

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*By integrating AI into Design, you will not only accelerate and optimize this process, but you will also enter a world of creative and personalized opportunities that were previously unimaginable.”*

Artificial Intelligence (AI) brings a unique ability to analyze large amounts of data, identify patterns and trends, and apply that knowledge efficiently in the creative process. This leads to greater efficiency in idea generation, allowing designers to explore and refine concepts more quickly and accurately. In addition, AI facilitates customization and adaptation to individual preferences, creating more intuitive and engaging user experiences.

This is how this Postgraduate Diploma in Innovation in Design through Artificial Intelligence was born, a comprehensive program that will immerse graduates in the fascinating convergence between Graphic Design, Artificial Intelligence and industrial design. This program will cover a wide range of topics, from the automatic generation of visual content to the optimization of industrial design processes through AI.

Likewise, designers will analyze how AI can radically transform the creative process in Graphic Design, including predicting trends and improving collaboration through emerging technologies. In addition, they will dive into the practical application of AI in Design, from the integration of virtual assistants, to AI-assisted collaboration in editorial teams.

Likewise, it will offer a comprehensive and profound vision of how AI is transforming and empowering the field of Design, preparing professionals to face any challenge and opportunity in a constantly evolving environment, where technology and creativity merge in an innovative way.

In this way, TECH has created a rigorous academic program, supported by the innovative *Relearning* method. This educational approach focuses on reiterating the essential principles of the syllabus to ensure a comprehensive understanding of all content. Accessibility will also be key, as only an electronic device with an Internet connection will be required to access the materials at any time, eliminating the obligation to attend in person or comply with pre-established schedules.

This **Postgraduate Diploma in Innovation in Design through Artificial Intelligence** contains the most complete and up-to-date educational program on the market.

Its most notable features are:

- ♦ The development of case studies presented by experts in Innovation in Design through AI.
- ♦ The graphic, schematic and practical contents of the book provide theoretical 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 innovate in Design through AI, paving the way towards a future where creativity merges harmoniously with Artificial Intelligence."*

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*Thanks to this 100% online Postgraduate Diploma, you will equip yourself with essential skills and knowledge to lead innovation in contemporary Design."*

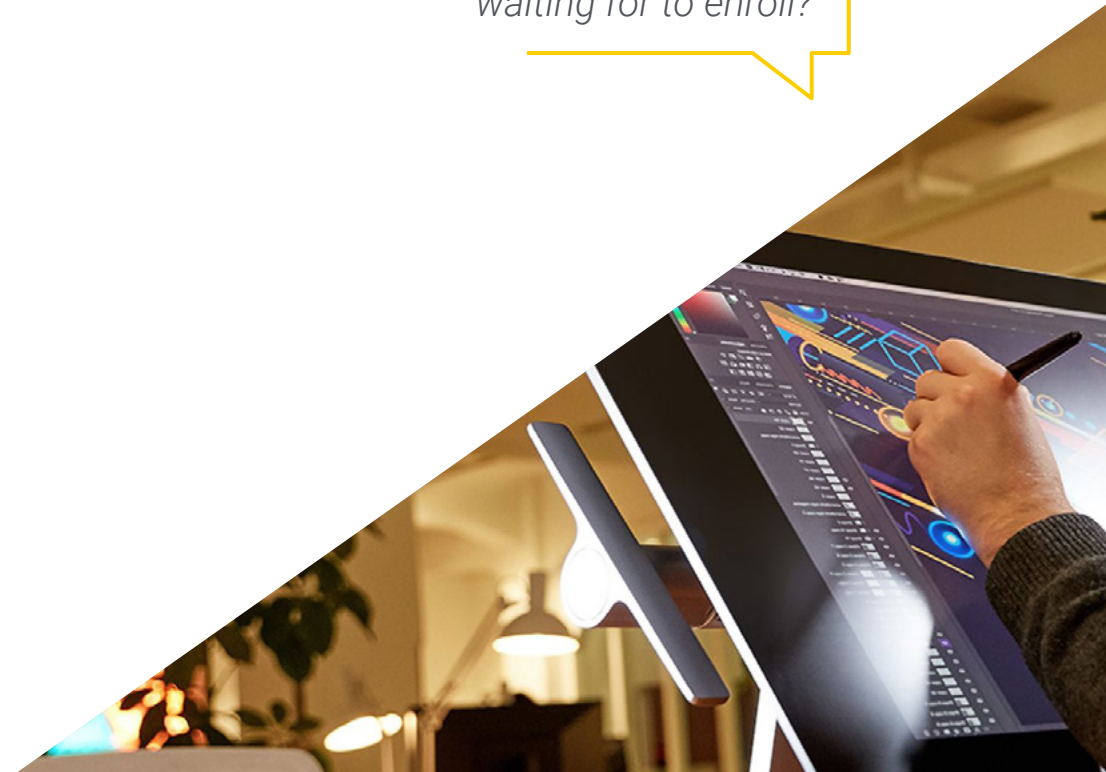
*You will analyze the relationship between Artificial Intelligence and process optimization in the field of Industrial Design, all through an innovative set of multimedia resources.*

*Bet on TECH! You will effectively apply emerging technologies in contemporary Design. What are you waiting for to enroll?*

The program includes in its teaching staff professionals from the sector who bring to this program the experience of their work, as well as recognized 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.



# 02

# Objectives

This program has a clear objective: to specialize the designer to become a pioneer in the Design of the future. Throughout the syllabus, you will be immersed in the vast world where AI and Design meet, being able to foresee trends, optimize industrial processes and apply emerging technologies to enhance your creative skills. In addition, you will equip yourself with the essential knowledge to lead innovation in Design, a unique opportunity to be part of the vanguard in creating revolutionary visual experiences and concepts.





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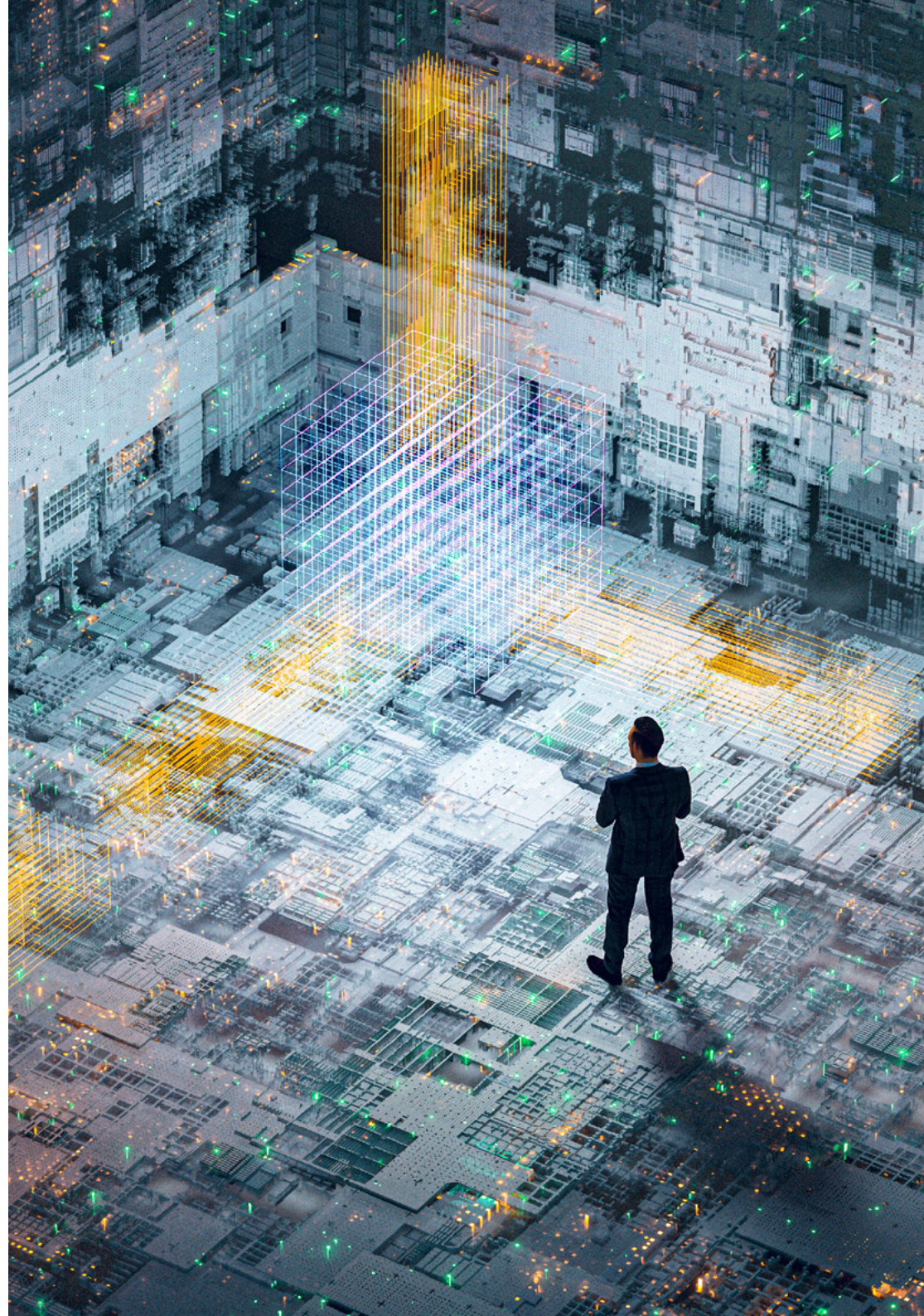
*You will become an agent of change in the exciting and constantly evolving field of AI-driven Design.”*



## General Objectives

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- ◆ Develop skills to implement Artificial Intelligence tools in design projects, covering automatic content generation, design optimization and pattern recognition
- ◆ Apply collaborative tools, taking advantage of Artificial Intelligence to improve communication and efficiency in design teams.
- ◆ Develop skills in adaptive design, considering user behavior and applying advanced AI tools
- ◆ Critically analyze the challenges and opportunities when implementing custom designs in industry using AI Artificial Intelligence





## Specific Objectives

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### Module 1. Practical Applications of Artificial Intelligence in Design

- ♦ Apply collaborative tools, leveraging AI to improve communication and efficiency in design teams.
- ♦ Incorporate emotional aspects into designs through techniques that effectively connect with the audience, exploring how AI can influence the emotional perception of Design
- ♦ Master tools and frameworks specific to the application of AI in Design, such as GANs (Generative Adversarial Networks) and other relevant libraries
- ♦ Employ AI to generate images, illustrations and other visual elements automatically
- ♦ Implementing AI techniques to analyze design-related data, such as navigation behavior and user feedback

### Module 2. Innovation in Design and AI Processes

- ♦ Understand the transformative role of AI in design and manufacturing process innovation
- ♦ Implement mass customization strategies in production using Artificial Intelligence, adapting products to individual needs
- ♦ Apply AI techniques to minimize waste in the design process, contributing to more sustainable practices
- ♦ Develop practical skills to apply AI techniques to improve industrial and design processes.
- ♦ Encourage creativity and exploration during design processes, using AI as a tool to generate innovative solutions

### Module 3. Applied Design Technologies and AI

- ♦ Improve comprehensive understanding and practical skills to leverage advanced technologies and Artificial Intelligence in various facets of Design
- ♦ Understand the strategic integration of emerging technologies and AI in the Design domain.
- ♦ Apply microchip architecture optimization techniques using AI to improve both performance and efficiency
- ♦ Properly utilize algorithms for automatic generation of multimedia content, enriching visual communication in editorial projects
- ♦ Implement the knowledge and skills acquired during this program to real projects involving technologies and AI in Design.



*You will discover how to lead tomorrow's creative revolution with this Postgraduate Diploma in Innovation in Design through AI"*

# 03

# Course Management

The teaching team behind this Postgraduate Diploma is composed of innovative minds and leaders at the intersection between the creativity of Design and the disruptive potential of Artificial Intelligence. They are committed to imparting knowledge and challenging graduates to explore the limits of creativity, in an environment where technology and imagination converge. They also lead at the forefront of innovation, ensuring that each student acquires the skills and perspectives needed to excel in a world where AI is transforming the way we conceive and create Design.



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*Each of the faculty members not only has a strong academic background, but also an outstanding track record in the practical application of AI in contemporary Design.”*

## Management



### Dr. Peralta Martín-Palomino, Arturo

- ♦ CEO and CTO at Prometheus Global Solutions
- ♦ CTO at Korporate Technologies
- ♦ CTO at AI Shepherds 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 por la 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. Maldonado Pardo, Chema

- ♦ Graphic Designer at DocPath Document Solutions S.L.
- ♦ Founding Partner and Head of the Design and Advertising Department at D.C.M. Difusión Integral de Ideas, C.B.
- ♦ Head of the Design and Digital Printing Department at Ofipaper, La Mancha S.L.
- ♦ Graphic Designer in Ático, Graphic Studio
- ♦ Graphic Designer and Craftsman Printer in Lozano Artes Gráficas
- ♦ Layout and Graphic Designer in Gráficas Lozano
- ♦ ETSI Telecommunications by the Polytechnic University of Madrid
- ♦ ETS Computer Systems ETSI by the University of Castilla-La Mancha

## Professors

### Ms. Parreño Rodríguez, Adelaida

- ♦ *Technical Developer & Energy Communities Engineer at the University of Murcia*
- ♦ Technical Developer & Energy Communities Engineer at the University of Murcia
- ♦ Manager in Research & Innovation in European Projects at the University of Murcia
- ♦ Content Creator in Global UC3M Challenge
- ♦ Ginés Huertas Martínez Award (2023)
- ♦ Master's Degree in Renewable Energies by the Polytechnic University of Cartagena
- ♦ Degree in Electrical Engineering (bilingual) from the Carlos III University of Madrid

# 04

# Structure and Content

Through a rigorously designed structure, the designers will delve into the dynamic fusion between the creativity of Design and the limitless potential of AI. From modules focused on Graphic Design and the automatic generation of visual content, to process optimization in Industrial Design, each topic will be elaborated to understand how AI radically transforms the practice of Design. In addition, the professionals will delve into areas such as the integration of the Internet of Things (IoT) and the practical application of emerging technologies, enabling them to effectively apply AI in their Design projects.



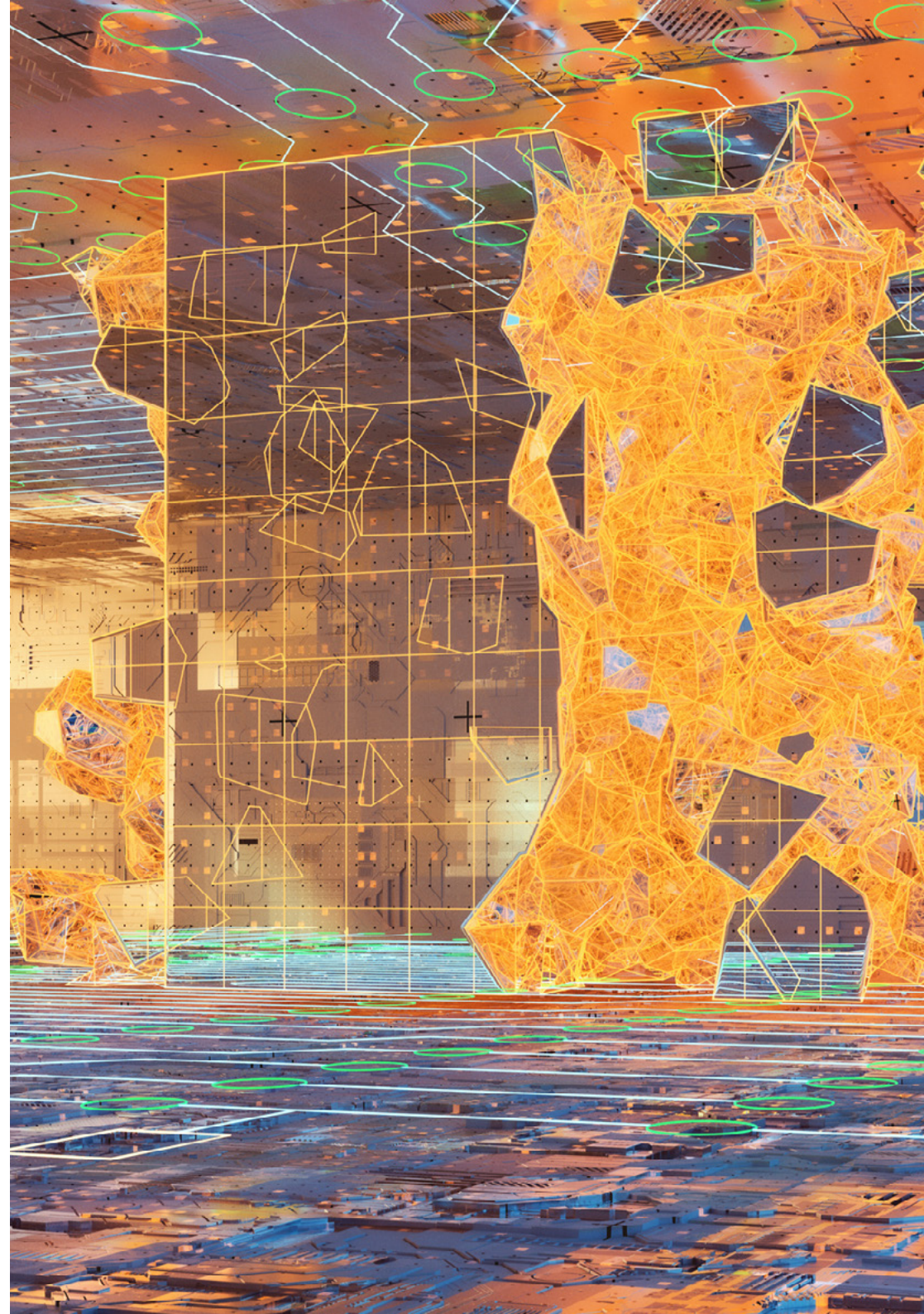


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*The Postgraduate Diploma in Innovation in Design through AI will immerse you in a journey of discovery that will redefine your perspective on Design.*”

## Module 1. Practical Applications of Artificial Intelligence in Design

- 1.1. Automatic Image Generation in Graphic Design with Wall-e, Adobe Firefly and Stable Diffusion
  - 1.1.1. Fundamental Concepts of Image Generation
  - 1.1.2. Tools and Frameworks for Automatic Graphic Generation
  - 1.1.3. Social and Cultural Impact of Generative Design
  - 1.1.4. Current Trends in the Field and Future Developments and Applications.
- 1.2. Dynamic Personalization of User Interfaces Using AI
  - 1.2.1. UI/UX Personalization Principles
  - 1.2.2. Recommendation Algorithms in UI Customization
  - 1.2.3. User Experience and Continuous Feedback
  - 1.2.4. Practical Implementation in Real Applications
- 1.3. Generative Design: Applications in Industry and Art
  - 1.3.1. Fundamentals of Generative Design
  - 1.3.2. Generative Design in Industry
  - 1.3.3. Generative Design in Contemporary Art
  - 1.3.4. Challenges and Future Advances in Generative Design
- 1.4. Automatic Creation of Editorial Layouts with Algorithms
  - 1.4.1. Principles of Automatic Editorial Layout
  - 1.4.2. Content Distribution Algorithms
  - 1.4.3. Optimization of Spaces and Proportions in Editorial Design
  - 1.4.4. Automation of the Review and Adjustment Process
- 1.5. Procedural Generation of Content in Videogames with PCG
  - 1.5.1. Introduction to Procedural Generation in Videogames
  - 1.5.2. Algorithms for the Automatic Creation of Levels and Environments
  - 1.5.3. Procedural Narrative and Branching in Videogames
  - 1.5.4. Impact of Procedural Generation on the Player's Experience
- 1.6. Pattern Recognition in Logos with Machine Learning Using Cogniac
  - 1.6.1. Fundamentals of Pattern Recognition in Graphic Design
  - 1.6.2. Implementation of Machine Learning Models for Logo Identification
  - 1.6.3. Practical Applications in Graphic Design
  - 1.6.4. Legal and Ethical Considerations in the Recognition of Logos





- 1.7. Optimization of Colors and Compositions with AI
  - 1.7.1. Color Psychology and Visual Composition
  - 1.7.2. Color Optimization Algorithms in Graphic Design with Adobe Color Wheel and Colors
  - 1.7.3. Automatic Composition of Visual Elements Using Framer, Canva, and RunwayML
  - 1.7.4. Evaluation of the Impact of Automatic Optimization on User Perception
- 1.8. Predictive Analysis of Visual Trends in Design
  - 1.8.1. Data Collection and Current Trends
  - 1.8.2. Machine Learning Models for Trend Prediction
  - 1.8.3. Implementation of Proactive Design Strategies
  - 1.8.4. Principles in the Use of Data and Predictions in Design
- 1.9. AI-assisted Collaboration in Design Teams
  - 1.9.1. Human-AI Collaboration in Design Projects
  - 1.9.2. Platforms and Tools for AI-Assisted Collaboration (Adobe Creative Cloud and Sketch2React)
  - 1.9.3. Best Practices in AI-assisted Technology Integration
  - 1.9.4. Future Perspectives on Human-AI Collaboration in Design
- 1.10. Strategies for the Successful Incorporation of AI in Design
  - 1.10.1. Identification of AI-solvable Design Needs
  - 1.10.2. Evaluation of Available Platforms and Tools
  - 1.10.3. Effective Integration in Design Projects
  - 1.10.4. Continuous Optimization and Adaptability

## Module 2. Innovation in Design and AI Processes

- 2.1. Optimization of Manufacturing Processes with AI Simulations
  - 2.1.1. Introduction to Manufacturing Process Optimization
  - 2.1.2. AI Simulations for Production Optimization
  - 2.1.3. Technical and Operational Challenges in the Implementation of AI Simulations
  - 2.1.4. Future Perspectives: Advances in Process Optimization with AI
- 2.2. Virtual Prototyping: Challenges and Benefits

- 2.2.1. Importance of Virtual Prototyping in Design
- 2.2.2. Tools and Technologies for Virtual Prototyping
- 2.2.3. Challenges in Virtual Prototyping and Strategies for Overcoming Them
- 2.2.4. Impact on Design Innovation and Agility
- 2.3. Generative Design: Applications in Industry and Artistic Creation
  - 2.3.1. Architecture and Urban Planning
  - 2.3.2. Fashion and Textile Design
  - 2.3.3. Design of Materials and Textures
  - 2.3.4. Automation in Graphic Design
- 2.4. Materials and Performance Analysis Using Artificial Intelligence
  - 2.4.1. Importance of Materials and Performance Analysis in Design
  - 2.4.2. Artificial Intelligence Algorithms for Material Analysis
  - 2.4.3. Impact on Design Efficiency and Sustainability
  - 2.4.4. Implementation Challenges and Future Applications
- 2.5. Mass Customization in Industrial Production
  - 2.5.1. Transformation of Production Through Mass Customization
  - 2.5.2. Enabling Technologies for Mass Customization
  - 2.5.3. Logistical and Scale Challenges of Mass Customization
  - 2.5.4. Economic Impact and Innovation Opportunities
- 2.6. Artificial Intelligence-Assisted Design Tools (Deep Dream Generator, Fotor and Snappa)
  - 2.6.1. Generation-Assisted Design Gan (Generative Adversarial Networks)
  - 2.6.2. Collective Generation of Ideas
  - 2.6.3. Context-aware Generation
  - 2.6.4. Exploration of Non-linear Creative Dimensions
- 2.7. Collaborative Human-robot Design in Innovative Projects
  - 2.7.1. Integration of Robots in Innovative Design Projects
  - 2.7.2. Tools and Platforms for Human-Robot Collaboration (ROS, OpenAI Gym and Azure Robotics)
  - 2.7.3. Challenges in Integrating Robots in Creative Projects
  - 2.7.4. Future Perspectives in Collaborative Design with Emerging Technologies
- 2.8. Predictive Maintenance of Products: AI Approach

- 2.8.1. Importance of Predictive Maintenance in Product Life Extension
- 2.8.2. Machine Learning Models for Predictive Maintenance
- 2.8.3. Practical Implementation in Various Industries
- 2.8.4. Evaluation of the Accuracy and Effectiveness of these Models in Industrial Environments
- 2.9. Automatic Generation of Typefaces and Visual Styles
  - 2.9.1. Fundamentals of Automatic Generation in Typeface Design
  - 2.9.2. Practical Applications in Graphic Design and Visual Communication
  - 2.9.3. AI-assisted Collaborative Design in the Creation of Typefaces
  - 2.9.4. Exploration of Automatic Styles and Trends
- 2.10. IoT Integration for Real-time Product Monitoring
  - 2.10.1. Transformation with the Integration of IoT in Product Design
  - 2.10.2. Sensors and IoT Devices for Real Time Monitoring
  - 2.10.3. Data Analysis and IoT-based Decision Making
  - 2.10.4. Implementation Challenges and Future Applications of IoT in Design

### Module 3. Applied Design Technologies and AI

- 3.1. Integration of Virtual Assistants in Design Interfaces with Dialogflow, Microsoft Bot Framework and Rasa
  - 3.1.1. Role of Virtual Assistants in Interactive Design
  - 3.1.2. Development of Virtual Assistants Specialized in Design
  - 3.1.3. Natural Interaction with Virtual Assistants in Design Projects
  - 3.1.4. Implementation Challenges and Continuous Improvement
- 3.2. Automatic Detection and Correction of Visual Errors with AI
  - 3.2.1. Importance of Automatic Visual Error Detection and Correction
  - 3.2.2. Algorithms and Models for Visual Error Detection
  - 3.2.3. Automatic Correction Tools in Visual Design
  - 3.2.4. Challenges in Automatic Detection and Correction and Strategies for Overcoming Them

- 3.3. AI Tools for Usability Evaluation of Interface Designs (EyeQuant, Lookback and Mouseflow)
  - 3.3.1. Analysis of Interaction Data with Machine Learning Models
  - 3.3.2. Automated Report Generation and Recommendations
  - 3.3.3. Virtual User Simulations for Usability Testing Using Bootpress, Botium and Rasa
  - 3.3.4. Conversational Interface for User Feedback
- 3.4. Optimization of Editorial Workflows with Algorithms Using Chat GPT, Bing, WriteSonic and Jasper
  - 3.4.1. Importance of Optimizing Editorial Workflows
  - 3.4.2. Algorithms for Editorial Automation and Optimization
  - 3.4.3. Tools and Technologies for Editorial Optimization
  - 3.4.4. Challenges in Implementation and Continuous Improvement in Editorial Workflows
- 3.5. Realistic Simulations in Video Game Design with TextureLab and Leonardo
  - 3.5.1. Importance of Realistic Simulations in the Videogame Industry
  - 3.5.2. Modeling and Simulation of Realistic Elements in Video Games
  - 3.5.3. Technologies and Tools for Realistic Simulations in Video Games
  - 3.5.4. Technical and Creative Challenges in Realistic Video Game Simulations
- 3.6. Automatic Generation of Multimedia Content in Editorial Design
  - 3.6.1. Transformation with Automatic Generation of Multimedia Content
  - 3.6.2. Algorithms and Models for the Automatic Generation of Multimedia Content
  - 3.6.3. Practical Applications in Publishing Projects
  - 3.6.4. Challenges and Future Trends in the Automatic Generation of Multimedia Content
- 3.7. Adaptive and Predictive Design Based on User Data
  - 3.7.1. Importance of Adaptive and Predictive Design in User Experience
  - 3.7.2. Collection and Analysis of User Data for Adaptive Design
  - 3.7.3. Algorithms for Adaptive and Predictive Design
  - 3.7.4. Integration of Adaptive Design in Platforms and Applications
- 3.8. Integration of Algorithms in Usability Improvement
  - 3.8.1. Segmentation and Behavioral Patterns
  - 3.8.2. Detection of Usability Problems
  - 3.8.3. Adaptability to Changes in User Preferences
  - 3.8.4. Automated a/b Testing and Analysis of Results
- 3.9. Continuous Analysis of User Experience for Iterative Improvements
  - 3.9.1. Importance of Continuous Feedback in Product and Service Evolution
  - 3.9.2. Tools and Metrics for Continuous Analysis
  - 3.9.3. Case Studies Demonstrating Substantial Improvements Achieved through this Approach
  - 3.9.4. Handling of Sensitive Data
- 3.10. AI-assisted Collaboration in Editorial Teams
  - 3.10.1. Transforming Collaboration in AI-assisted Editorial Teams
  - 3.10.2. Tools and Platforms for AI-assisted Collaboration (Grammarly, Yoast SEO and Quillionz)
  - 3.10.3. Development of Virtual Assistants Specialized in Editing
  - 3.10.4. Challenges in the Implementation and Future Applications of AI-assisted Collaboration



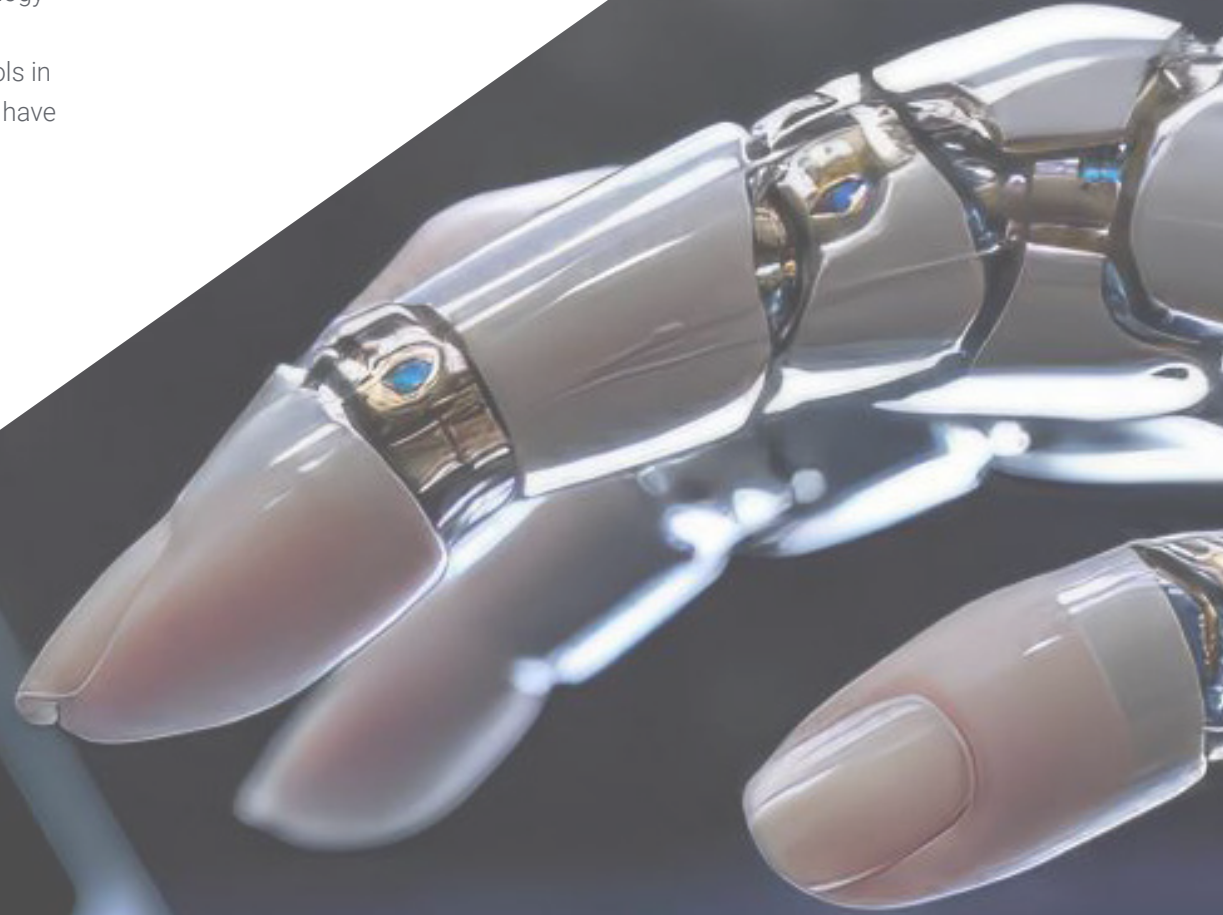
*You will challenge the limits of creativity and lead the next era of Design with confidence and innovative vision, thanks to the implementation of Artificial Intelligence."*

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.





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*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 Innovation in Design through 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 Innovation in Design through 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.

Title: **Postgraduate Diploma in Innovation in Design through Artificial Intelligence**

Modality: **online**

Duration: **6 months**.

Accreditation: **18 ECTS**



\*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.



future

health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

**tech** global  
university

personalized service innovation

knowledge present

online Artificial Intelligence

development languages

virtual classroom

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