

Postgraduate Certificate Personnel and Payroll Management with Artificial Intelligence





Postgraduate Certificate Personnel and Payroll Management with Artificial Intelligence

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

Website: www.techtute.com/us/artificial-intelligence/postgraduate-certificate/personnel-payroll-management-artificial-intelligence

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01

Introduction

The implementation of Artificial Intelligence in personnel and payroll administration is revolutionizing Human Resources. More and more organizations are adopting these solutions to optimize processes such as payroll, recruitment and performance management. According to recent data, 40% of companies globally use AI, but this figure is expected to increase as its potential to eliminate errors in salary calculations, ensure regulatory compliance and personalize the employee experience is recognized. In this scenario, TECH has launched a fully online program, designed to fit the work and personal routines of graduates. This will be done through the innovative Relearning methodology.





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Thanks to this 100% online Postgraduate Certificate, you will acquire skills to implement AI solutions that optimize Human Resources management, improving the operational efficiency of the company”

The integration of Artificial Intelligence (AI) in Personnel and Payroll Administration is transforming Human Resources management. In fact, companies are using it to automate selection processes, optimizing the screening of resumes and reducing human biases, allowing for a more objective and efficient selection of candidates.

This is how this Postgraduate Certificate was created, designed to develop key competencies in professionals seeking to optimize Human Resources management through the implementation of AI solutions. In this sense, through a practical and theoretical approach, they will learn to automate processes related to personnel administration and payroll management.

Likewise, they will delve into the application of Artificial Intelligence technologies to ensure compliance with legal regulations in Human Resources management. In this way, knowledge will be acquired about labor regulations and how AI can be used to monitor and ensure that the company's practices are aligned with these regulations.

Finally, case studies and hands-on projects will be included, allowing you to experience first-hand how AI tools can transform payroll and personnel administration. With a focus on innovation and adaptability, experts will be better prepared to face the challenges of today's work environment, becoming agents of change in their organizations and contributing to the development of more effective and sustainable practices.

In this way, TECH has created a comprehensive 100% online program, which only requires an electronic device with an Internet connection to access all the educational material. This eliminates inconveniences such as moving to a physical center and the need to adapt to a fixed schedule. Additionally, it will be based on the revolutionary Relearning methodology, which focuses on the constant repetition of fundamental concepts to facilitate an optimal and natural assimilation of the contents.

The **Postgraduate Certificate in Personnel and Payroll Management with Artificial Intelligence** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Development of practical cases presented by experts in Artificial Intelligence in HR
- ♦ The graphic, schematic, and practical contents with which they are created, provide practical information on the disciplines that are essential for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ The availability of access to the contents from any fixed or portable device with an Internet connection



You will use Artificial Intelligence to ensure regulatory compliance, minimizing legal risks and bringing security to your organization, thanks to an extensive library of innovative multimedia resources”

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You will effectively analyze data to make informed staffing decisions based on organizational needs, through the best learning materials, at the forefront of technology and education”

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 experts in the field of educational coaching with extensive experience.

The focus on operational efficiency will allow you to implement tools that streamline routine tasks, freeing up time and resources for strategic activities that contribute to organizational growth.

The integration of AI will not only improve your payroll accuracy, but also ensure that all labor practices comply with applicable laws and regulations. What are you waiting for to enroll?



02

Objectives

Throughout the program, students will learn how to automate administrative processes, optimize payroll management and improve Human Resources allocation, using Artificial Intelligence tools. In addition, they will be able to apply current legal regulations, ensuring compliance in personnel administration and minimizing legal risks. Professionals will also be trained to lead the digital transformation in their organizations, contributing to a more efficient and adaptable work environment, aligned with current market trends.





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The main objective of this Postgraduate Certificate will be to train you to become a true expert in the efficient management of Human Resources, through the implementation of advanced AI technologies”



General Objectives

- ◆ Develop the ability to use AI to identify and eliminate bias in selection, evaluation and development processes
- ◆ Train students to implement AI solutions that automate administrative and managerial tasks
- ◆ Delve into the ethical and transparency principles necessary for the responsible implementation of AI in Human Resources
- ◆ Lead digital transformation projects in the Human Resources department, using AI as a key tool to innovate and improve organizational processes





Specific Objectives

- Develop skills to implement AI solutions that automate personnel administration, payroll and resource allocation, improving personnel administration, payroll management, and resource allocation, improving operational efficiency
- Understand and apply AI technologies to ensure compliance with legal regulations in human resource management, minimizing legal risks

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You will lead the digital transformation in your work environment, adapting to the changing demands of the marketplace and positioning yourself as a valuable professional in a constantly evolving field”

03

Course Management

The faculty are highly trained professionals with extensive experience in the field of Human Resources and Artificial Intelligence. Coming from diverse sectors, these experts not only have a solid theoretical knowledge, but also have applied innovative practices in real environments, which will allow them to offer an updated and relevant perspective of the labor market. In addition, their pedagogical approach will focus on interaction and hands-on learning, fostering a dynamic environment where graduates will be able to experiment with technological tools and real case studies.





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Thanks to these teachers, you will gain applicable skills and knowledge that will prepare you to face the challenges of a constantly evolving professional world”

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 University of Castilla La Mancha
- Master's Degree in Executive MBA from the Isabel I University
- 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



Professors

Ms. Del Rey Sánchez, Cristina

- Talent Management Administrative Officer at Securitas Seguridad España, S.L.
- Extracurricular Activities Center Coordinator
- Support classes and pedagogical interventions with Primary and Secondary Education students.
- Postgraduate in Development, Delivery and Tutoring of e-Learning Training Actions.
- Postgraduate in Early Childhood Care
- Degree in Pedagogy from the Complutense University of Madrid.



Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"

04

Structure and Content

The university program will include topics such as the automation of administrative processes, with techniques to optimize payroll management and personnel administration through AI solutions. It will also address data analysis and its application in the efficient allocation of Human Resources, enabling professionals to make informed decisions based on accurate metrics. In addition, we will delve into legal compliance and associated risk management, ensuring that graduates are well-prepared to navigate the complex legal landscape of the workplace.



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The Postgraduate Certificate in Personnel and Payroll Management with Artificial Intelligence will cover a variety of essential content that will equip you with the tools to excel in Human Resources”

Module 1. Personnel and Payroll Management with AI

- 1.1. Artificial Intelligence for Diversity and Inclusion in the Workplace
 - 1.1.1. Diversity Analysis Using IBM Watson to Detect Trends and Biases
 - 1.1.2. AI Tools for Detecting and Correcting Biases in HR Processes
 - 1.1.3. Evaluating the Impact of Inclusion Policies using Data Analytics
- 1.2. Fundamentals of Personnel Administration with AI
 - 1.2.1. Automation of Hiring and Onboarding Processes
 - 1.2.2. Use of AI-Based Personnel Data Management Systems
 - 1.2.3. Improving the Employee Experience through Intelligent Platforms
- 1.3. AI Technologies Applied to Payroll
 - 1.3.1. AI Systems for Automated Payroll Calculation
 - 1.3.2. Intelligent Profit Management with Platforms such as Gusto
 - 1.3.3. Detection of Errors and Fraud in Payrolls Using AI Algorithms
- 1.4. Optimizing Resource Allocation with AI
 - 1.4.1. Personnel Planning with Kronos Predictive Tools
 - 1.4.2. AI Models for Shift and Task Assignment Optimization
 - 1.4.3. Workload Analysis and Resource Allocation with Power BI
- 1.5. AI in HR Regulatory and Legal Compliance
 - 1.5.1. Automation of Compliance with Labor Policies
 - 1.5.2. AI Systems to Ensure Fairness and Transparency in HR
 - 1.5.3. Contract and Regulatory Management with IBM Watson Legal Advisor
- 1.6. Predictive Analytics in Workforce Management
 - 1.6.1. Predictive Models for Employee Retention with Retain's AI
 - 1.6.2. Sentiment Analysis in Internal Communications
 - 1.6.3. Predicting Training and Development Needs
- 1.7. Automating Benefits Management with AI
 - 1.7.1. Benefits Administration Using Intelligent Platforms such as Zenefits
 - 1.7.2. Customizing Benefit Packages using AI
 - 1.7.3. Optimizing Benefit Costs Using Data Analytics



- 1.8. Integrating HR Systems with AI
 - 1.8.1. Integrated Systems for Personnel Management with Salesforce Einstein
 - 1.8.2. Interface and Usability in AI-Based HR Systems
 - 1.8.3. Data Security and Privacy in Integrated Systems
- 1.9. AI-Supported Training and Development of Personnel
 - 1.9.1. Adaptive and Personalized Learning Systems
 - 1.9.2. AI-Powered E-Learning Platforms
 - 1.9.3. Performance Assessment and Monitoring Using Intelligent Technologies
- 1.10. Crisis and Change Management with AI in HR
 - 1.10.1. Using AI for Effective Management of Organizational Change
 - 1.10.2. Predictive Tools for Crisis Preparedness with Predictive Layer
 - 1.10.3. Data Analysis to Evaluate and Adapt HR Strategies in Times of Crisis

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At the end of the program, you will be equipped to contribute to the development and success of your company in an increasingly competitive and technological business context. With all the TECH quality guarantees!"

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.

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At TECH, you will experience a learning methodology that is shaking the foundations of traditional universities around the world”



You will have access to a learning system based on repetition, with natural and progressive teaching throughout the entire syllabus.



The student will learn to solve complex situations in real business environments through collaborative activities and real cases.

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and professional reality is taken into account.

“*Our program prepares you to face new challenges in uncertain environments and achieve success in your career”*

The case method has been the most widely used learning system among the world's leading Information Technology schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question that you are presented with in the case method, an action-oriented learning method. Throughout the course, students will be presented with multiple real cases. They will have to combine all their knowledge and research, and argue and defend their ideas and decisions.

Relearning Methodology

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

We enhance the Case Study with the best 100% online teaching method: Relearning.

In 2019, we obtained the best learning results of all online universities in the world.

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our university is the only one in the world authorized to employ this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.



In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

This methodology has trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, and financial markets and instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.



This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

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



Practising Skills and Abilities

They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Case Studies

Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best specialists in the world.



Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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



Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



06

Certificate

The Postgraduate Certificate in Personnel and Payroll Management with Artificial Intelligence guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate 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 Certificate in Personnel and Payroll Management with 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 Certificate in Personnel and Payroll Management with Artificial Intelligence**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 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
personalized service innovation
knowledge present
online training
development language
classroom



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