



Artificial Intelligence AI in Human Resources Management

02 - 06 Nov 2026
Barcelona (Spain)



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Ref.: 121902_1057360 **Date:** 02 - 06 Nov 2026 **Location:** Barcelona (Spain) **Fees:** 6200 Euro

Introduction

With rapid technological transformation and the growing adoption of intelligent systems, Artificial Intelligence AI has become essential to developing various business functions, including Human Resources Management. This Artificial Intelligence in Human Resources Management course explains how AI technologies can improve the efficiency and strategies of Human Resources Management by facilitating recruitment, assessment, talent development, and big data analysis to enhance decision-making. Participants will become familiar with the latest AI tools and innovations and their role in strengthening human resources management proactively and sustainably.

Targeted Groups

- Human Resources Managers.
- Recruitment Specialists.
- Talent Development Consultants.
- Team and Department Leaders.
- Data Analysts in Human Resources Management.
- Digital Transformation Officers.
- Developers of AI Solutions for Business.

Course Objectives

By the end of this Artificial Intelligence AI in Human Resources Management course, participants will be able to:

- Understand the role of AI in improving Human Resources Management strategies.
- Acquire skills in using AI tools in recruitment and assessment processes.
- Develop the ability to analyze big data to improve decision-making in Human Resources Management.
- Learn how to automate administrative processes and streamline HR tasks using AI.
- Acquire the knowledge required to apply AI in talent development and performance management.
- Explore AI solutions to enhance employee experience and improve the work environment.

Targeted Competencies

- Big data analysis.
- Using AI tools in recruitment.
- Enhancing employee experience.
- Predicting workforce needs.
- Strengthening data-driven decision-making.
- Developing talent management systems.
- Automating administrative processes.

Course Content

Unit 1: Introduction to Artificial Intelligence and Human Resources Management

- Defining Artificial Intelligence and its fundamentals.
- The importance of AI in the context of Human Resources Management.
- The development of AI and its applications across various fields.
- How AI can improve efficiency in Human Resources Management.
- Overview of AI tools used in Human Resources Management.

Unit 2: Using Artificial Intelligence in Recruitment Processes

- Applying AI in screening CVs and selecting candidates.
- AI tools for job interviews and candidate assessment.
- Using AI to predict candidate suitability for jobs.
- Improving the recruitment experience through process automation.
- Practical case studies on the use of AI in recruitment.

Unit 3: Big Data Analysis and Improving Decision-Making

- Collecting and analyzing big data in Human Resources Management.
- Using AI tools to analyze trends and forecasts.
- Improving performance management strategies based on data.
- Developing AI-based reports and analytics.
- Strategies for improving decision-making through big data.

Unit 4: Automating Administrative Processes and Improving Efficiency

- Automating routine tasks in Human Resources Management using AI.
- AI technologies for managing employee records and monitoring performance.
- How to streamline administrative procedures and reduce human errors.
- Integrating AI solutions into Human Resources Management systems.
- Case studies on implementing AI automation in organizations.

Unit 5: Enhancing Employee Experience and Talent Development

- Using AI to improve employee experience.
- Developing training and development programs based on AI analytics.
- AI tools to support coaching and guidance.
- Strategies for applying AI in career path planning.
- Measuring the impact of AI on employee satisfaction and motivation.



**Registration form on the :
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