



# ARTIFICIAL INTELLIGENCE IN ACTION: EMPOWERING TEACHERS TO INNOVATE

## Objectives

The aims of the course are:

- ✓ **Boost Student Engagement:** Discover how AI can create dynamic, interactive learning experiences.
- ✓ **Personalize Learning:** Learn to use AI tools to tailor content and activities to individual student needs.
- ✓ **Save Time & Innovate:** Master AI-powered tools to streamline tasks, generate resources, and spark creativity.
- ✓ **Become an AI-Ready Educator:** Understand the ethical considerations and practical applications of AI in education.
- ✓ **Design Inspiring Learning Situations:** Craft innovative, AI-enhanced lessons that align with Bloom's Taxonomy and the legislation of your country.

## Target Group

The training course is addressed to primary and secondary school teachers, VET teachers, VET trainers, adults' teachers, managers, and employees of enterprises as well as social and youth workers of non-profit organization and public entities.

## Language of course

This course will be conducted in English. All participants are expected to have a sufficient level of English to understand the trainer and to engage actively in discussions and activities.

## Methodology

This course offers a hands-on, practical approach to integrating AI into your teaching. We'll move beyond theory to explore real-world applications, ethical considerations, and powerful tools. The methodology is based on:

- ✓ **Learning by Doing:** You'll actively use AI tools, experiment with prompts, and create resources you can use immediately.
- ✓ **Collaborative Exploration:** We'll share best practices, discuss challenges, and learn from each other's experiences.
- ✓ **Focus on Practicality:** The course emphasizes tools and techniques that can be directly applied in diverse educational settings.
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## Program

Day 1 – 4 hours

Introduction to AI in Education

- Welcome meeting and presentation of the programme.
- Introduction to the course, presentation of participants and sharing expectations
- **Welcome and Introductions**
  - Icebreaker activities and sharing of digital experiences.
  - Course overview and objectives.
- **AI Fundamentals & Impact**
  - Brief History of AI in Education: From Eliza to ChatGPT
  - The Current State of AI: Opportunities and Challenges for Educators
  - Ethical Considerations: Privacy, Bias, and Responsible Use
- **Exploring the AI Toolkit**
  - Overview of AI Tools: Large Language Models (LLMs), Image Generators, Video Creators, Music Generators, etc.
  - Hands-on Demos: Experience the power of ChatGPT, Gemini, and other platforms.

### Learning Outcomes:

- ✓ Understand the historical evolution and current state of AI in education.
- ✓ Identify and discuss the opportunities and ethical challenges of using AI in the classroom.
- ✓ Gain hands-on experience with different types of AI tools.

Day 2 – 4 hours

The Art of Prompting

- **Mastering the Art of Prompting.**
  - Understanding the Structure of Effective Prompts
  - Crafting Prompts for Different AI Tools
- **AI for Personalized Learning and DUA**
  - Using AI to adapt content difficulty and format.
  - Creating differentiated learning paths based on student needs.
  - Exploring AI tools that support diverse learning styles (visual, auditory, kinesthetic).
  - Applying Universal Design for Learning (DUA) principles with the help of AI.

### Learning Outcomes:

- ✓ Master the art of crafting effective prompts for various AI tools, using the Context-Instruction-Input-Output (CIIO) framework.
- ✓ Adapt and personalize the prompt engineering and the AI content-creating for different learning styles and needs, guided by DUA principles.
- ✓ Analyze and modify didactic materials using AI

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### Day 3 – 4 hours

#### Unlocking AI's Potential: Crafting Dynamic Learning Experiences

- **Creating Engaging Presentations with AI**
  - Creating, customizing and enhancing AI-Generated Presentations.
- **Bringing Lessons to Life with AI-Generated Video**
  - Exploring AI tools for automatic video creation.
  - Turning your presentations, notes, or scripts into engaging videos.
- **The Power of AI-Generated Images**
  - Introduction to Diffusion Models.
  - Advanced Techniques: Maintaining consistency across images and modifying specific parts of an image.
- **Music and Sound for Enhanced Learning**
  - Introduction to music generation models.
  - Experimenting with AI Music Generation Tools.

#### Learning Outcomes:

- ✓ Create and customize engaging presentations and videos using AI-powered tools.
- ✓ Explore the creative possibilities of AI image generation and consistency techniques.
- ✓ Experiment with AI music generation to enhance the learning environment.
- ✓ Critically evaluate the quality and suitability of AI-generated multimedia content for educational purposes.

### Day 4 – 4 hours

#### AI Advanced Tools

- **Building Your Own Chatbot**
  - Creating personalized chatbots with AI.
  - Using chatbots for interactive learning and personalized support.
- **Deep Dive into NotebookLM**
  - Understanding NotebookLM and Retrieval-Augmented Generation (RAG).
  - Creating a chatbot that responds based on your provided documents.
- **Streamlining Meetings with AI**
  - Using AI for meeting summaries and transcription.
  - Turning audio recordings into actionable insights.
- **The arrival of Thinking Models**
- **The AI-Powered Classroom: Q&A, Best Practices, and Future Trends**

#### Learning Outcomes:

- ✓ Design and build a simple, personalized chatbot using AI.
- ✓ Understand and utilize NotebookLM to create a chatbot that responds based on specific document sets.



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- ✓ Apply AI tools to efficiently summarize and transcribe meeting content.
- ✓ Discuss the future of AI in education, including thinking models, and develop a personal action plan for integrating AI into their teaching practice.

### Quality Commitment

ESMOVIA, as course provider, commit to respect and follow the quality standards for courses under Key Action 1:

<https://erasmus-plus.ec.europa.eu/resources-and-tools/quality-standards-key-action-1>

### Fees

Course fee: 435,60 €/participant VAT included. Possibility of invoicing 360,00 €/participant if sending organization has Intracomunitary VAT number. The price includes:

This amount includes:

- Preparation for the course
- Tuition
- Training materials
- Administration costs
- Organizational costs
- Professional visit to school
- City tour in Valencia
- Farewell activity

### Requirements

Minimum of 8 participants. For smaller groups, contact us.

### Dates

You can find the dates of the course on this link (you have to click on "I'm interested" to see the different sessions scheduled)\*: <https://school-education.ec.europa.eu/en/professional-development/courses/4-cs-creative-collaborative-critical-and-communicative-teachers>

\*The course will take place if the minimum number of participants is reached.

Please contact us for any other dates.

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### Courses in ESMOVIA

You can also find a list of all the courses we organize in ESMOVIA on this link:  
<https://www.esmovia.es/en/training-and-mobility/teachers/professional-development-courses/>

### Contact

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