

TEACHING WITH AI: TOOLS & TECHNIQUES



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OID: E10201112

Advanced Institute for Skills Development

COURSE DESCRIPTION

This training course aims to equip educators with a robust understanding of Artificial Intelligence (AI) and Information and Communication Technology (ICT) as transformative tools in educational settings.

The program focuses on the integration of Artificial Intelligence into teaching practices to enhance instructional design, increase student engagement, and personalize learning experiences.

Participants will delve into the practical applications of AI technologies in the classroom, exploring innovative AI and ICT tools and software that can facilitate and enhance learning; as well as tools that detect AI/ChatGPT usage or detection.

The course also addresses the critical thinking necessary to assess AI's effectiveness and ethical considerations, ensuring educators are prepared to make informed decisions about technology use in their educational environments.

Through interactive workshops, hands-on sessions, and collaborative discussions, educators will gain the skills needed to effectively integrate these technologies into their teaching strategies.

COURSE INFORMATION

Learning Outcomes

These objectives aim to provide a clear roadmap for educators on what competencies and skills they will develop through the course, helping them to integrate Artificial Intelligence and ICT into their teaching effectively and ethically:

- Understand the key principles, capabilities, and limitations of AI technologies, distinguishing between AI myths and realities in the context of educational effectiveness.
- Identify, select, and utilize various ICT tools that can support and enhance digital communication, collaboration, and content delivery in the classroom (e.g. ChatGPT).
- Develop engaging and innovative lesson plans that incorporate AI tools to enhance learning outcomes and foster a dynamic learning environment.
- Critically assess various AI applications for their pedagogical value, suitability, and potential impact on student learning and privacy.
- Apply methods to monitor and measure how AI applications affect student engagement and learning outcomes, using data to inform teaching practices.
- Recognize and navigate the ethical, legal, and social implications of using AI in education, including issues of data privacy, bias, and equity.
- Stay informed of emerging trends in AI and ICT and adapt teaching strategies to leverage cutting-edge technologies responsibly and effectively.
- Use AI to support inclusive education practices, ensuring that technology implementation considers diverse learning needs and promotes equity within the classroom.
- Promote the exchange of practices between educators from different contexts and regions;
- Discuss the benefits of an active learning approach to encourage students to solve problems, formulate complex questions, debate, explain and brainstorm during class;
- Empower educators to create practical and meaningful experiences;
- Improve technical and English language, communication and social skills.

The following schedule aims to engage participants in both theoretical understanding and practical application through interactive sessions, workshops, and discussions.

It prepares educators to confidently implement AI and ICT tools in their teaching practices while considering the ethical implications.

DAILY PROGRAM

5-DAYS

..... *Our courses also include a daily Coffee Break

DAY 1 / 8h30-13h45

- Overview of AI – Definitions, history, and its evolution.
- Current AI trends in education – How AI is transforming teaching and learning.
- Interactive workshop – Exploring AI educational tools.
- Group discussion – Expectations vs. reality in AI applications.

DAY 2 / 8h30-13h45

- Introduction to key ICT tools – Platforms and software enhancing classroom interaction.
- Hands-on training with AI tools – Practical demonstrations and guided exercises using ChatGPT.
- Case studies – Successful AI integration in educational settings.
- Critical analysis – Benefits and limitations of specific AI tools.

DAY 3 / 8h30-13h45

- Pedagogical frameworks for integrating AI in curriculum.
- Available tools for AI/ChatGPT detection.
- Developing AI-driven lesson plans – Workshop on crafting engaging content.
- Personalization through AI – Adapting to diverse learning needs.
- Peer reviews – Sharing and critiquing lesson plans.

DAY 4 / 8h30-13h45

- Ethical issues in AI – Privacy, bias, and equity.
- Future trends in AI and education – What's next?
- Creating an ethical AI usage framework for schools.
- Course wrap-up and open discussion on continuous learning and development in AI.

DAY 5 / 8h30-13h45

- Group work: presentation
- Reflection, future cooperation, planning follow-up activities
- Discussion and evaluation of the course
- Learning validation and outcomes
- Certification Ceremony



DAILY PROGRAM

6-DAYS

..... *Our courses also include a daily Coffee Break

DAY 1 / 16h30-21h30

- Self Preparation for a short School presentation on Day 2
- Cultural Quiz (to be filled out pre-dinner)
- Welcome Session - icebreaking & dinner, week briefing & planning
- Networking between participants and Erasmus+ team
- Sharing of European core values
- Open space for participants to share ideas and discuss current challenges in the Education sector; collaborative opportunity to exchange future goals (activity)

DAY 2 / 8h30-13h45

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- Future trends in AI and education – What's next?
- Creating an ethical AI usage framework for schools.
- Course wrap-up and open discussion on continuous learning and development in AI.

DAY 6 / 8h30-13h45

- Group work: presentation
- Reflection, future cooperation, planning follow-up activities
- Discussion and evaluation of the course
- Learning validation and outcomes
- Certification Ceremony



ADDITIONAL INFORMATION

Documentation: Learning Agreement; Certificate of Attendance with description of learning outcomes; Europass validation; and other required Erasmus+ supporting documents.

(Our courses are eligible to be completely funded by the Erasmus+ program 2021-2027 - KA1 funds and several other programs)

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