



BASIC BIG DATA AND ARTIFICIAL INTELLIGENCE FOR TEACHERS

Objectives

The objectives of this course are:

- Increase academic performance and motivation of students
- Improve assessment processes and didactic resources of different subjects
- Identify new learning outcomes and opportunities in the classroom
- Provide practical tips on designing and implementing activities using these technologies

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 organizations and public entities.

Language of course

This course will be provided in English. The trainer has many years of experience working with students and teachers who do not speak English as their first language. The language level will be adapted according to the level of comfort of the participants.

Methodology

This course starts from some previous definitions to continue reflecting on the most relevant aspects of the course to finish with its practical application in the classroom.

The approach used is highly practical and based on the previous professional experiences that trainer has been accumulating in this field. The methodology is mainly based on informal and non-formal education methods and has a very participatory approach.

It combines learning by doing methodologies with the transmission of contents and requires active participation in order to achieve the most satisfactory results. Participants will be also experiencing themselves and trying out some methodologies, by working in small groups.

Previous knowledge in these technologies is not required and it can be applied to any level and subject.



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Program

Day 1 – 4 hours

Big data in a big world

- Welcome meeting. Presentation of programme.
- Introduction to the course, presentation of participants and sharing expectations
- Digital transformation in education
- Definition of big data and how big data affects our way of life
- Big data applied to education: critical thinking

- City tour in Valencia – 1 extra hour

Learning Outcomes:

- ✓ Learn and identify big data systems in education environment

Day 2 – 4 hours

Implementing activities using big data

- Tips on how to use big data in the classroom
- Assessment resources using big data
- Debate and share different ideas to use big data in the classroom
- Implement and create our first game for class

Learning Outcomes:

- ✓ Create and apply activities in the classroom using big data techniques

Day 3 – 4 hours

Virtuality in education

- Virtual reality
- Augmented reality
- Educational resources using these technologies
- Implementation of activities in different fields

Learning Outcomes:

- ✓ Analyze virtual and augmented reality resources in education

Day 4 – 4 hours

Artificial intelligence in the classroom

- New teachers' role in future education
- Educational robotics
- Programming and coding

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Training and Mobility

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- Final overview and group conclusions

Learning Outcomes:

- ✓ Plan and develop educational projects with artificial intelligence

Day 5 – 4 hours

Professional visit, Evaluation, Certification and Farewell

- Visit to a school
- Evaluation and certification
- Farewell activity

Learning Outcomes:

- ✓ Foster intercultural exchanges between different cultures and countries
- ✓ Go deeper into how to give and receive feedback
- ✓ Engage in a process of self-reflection through open conversations and new
- ✓ cultural experiences

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: 423,50 €/participant VAT included. Possibility of invoicing 350,00 €/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.

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