Innovative demo

E-learning

linfa group

EDUGATE

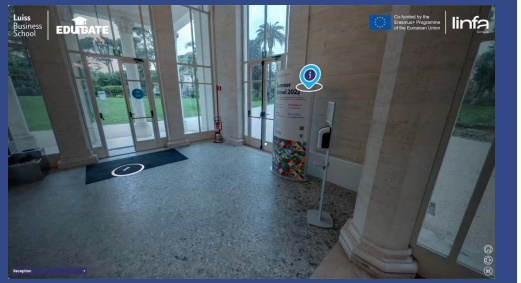
Introduction-

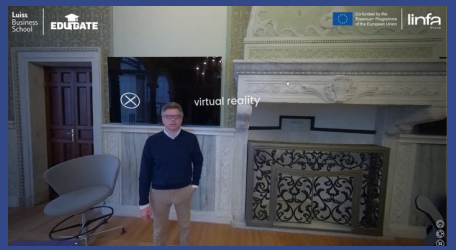
The **innovative demos** were **created** using the **technologies** that are currently the **most innovative releases**: **realistic virtual reality** and **artificial intelligence**.

As far as **artificial intelligence** is concerned, **important surprise innovations** have occurred since the start of the edugate project, although we have already studied and tested them, but which have undergone a special evolution. This innovation has led to the consideration of the innumerable possibilities allowed with this technology in the production of contents and therefore the possibility of creating various demos by exploiting this novelty.

Another aspect that has been considered is that these innovative technologies go in the direction of allowing a single content holder to produce an elearning product by himself through the aid of artificial intelligence, with simplicity and with a degree of quality.

Obviously, by including additional production factors in the development team, the level of quality and complexity can be capitalized on, but the true meaning of these tools is the right compromise between production simplicity, delivery speed and satisfactory quality.





First demo-

VR360 video virtual reality vision

The first demo created represents a **VR360 video virtual reality vision**, navigable both from a desktop computer, laptop, or from a virtual reality VR viewer. It is important to point out that the contents inserted are of various kinds, including:

- Navigation of the represented environment, both with commands from the interface and from the controller if viewed from the VR viewer;
- pdf documents downloadable from points within the navigable environment;
- Videos of teachers speaking and explaining content
- Audio of teachers translated into another language and dubbed to the speaker himself
- Animated text near the speaker while speaking with examples

Sw, resources used & goals-

The following **software** and **resources** were used in the development of this demo:

Software:

- **Adobe Premiere**
- **Adobe PDF writer**
- **Insta360 video studio interactive VR**
- **Photoshop**
- **Lightroom**
- **LiveViewRift Video360**
- **After effect**

Resources

- **Instructional System designer for create storyboard about the animation and content inside**
- **Video engeneer**
- **Software engeneer**
- **Graphic engeneer**

Goals of the innovative demo:

- Follow a lesson as if you were on the real campus;
- Follow lessons through PC virtual reality;
- Follow lessons through VR from a VR viewer;
- Download materials directly to browsing content, such as pc documents;
- Have a transcript of the speaker's audio;
- Have animated text next to the speaker on his speech
- Navigate all environments and be able to choose the lesson that most interests you as you are

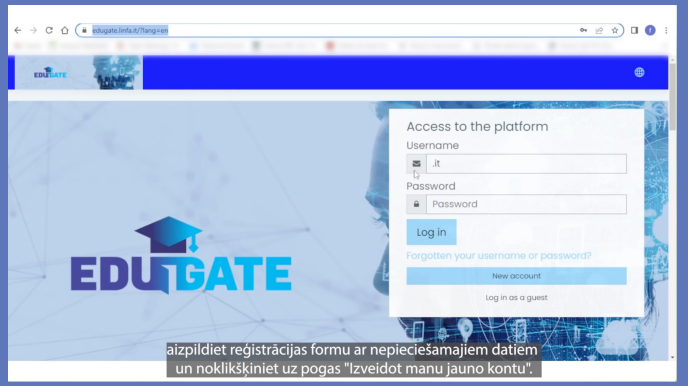
Second demo-

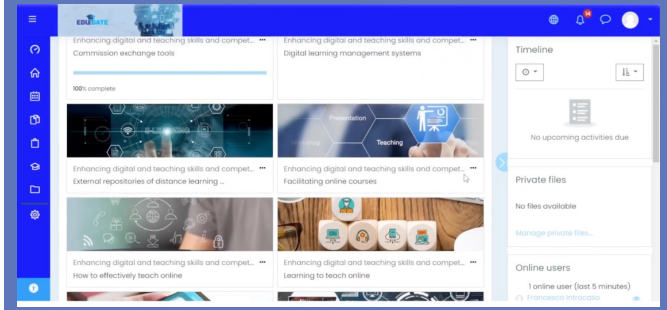
AI elearning platform tutorial

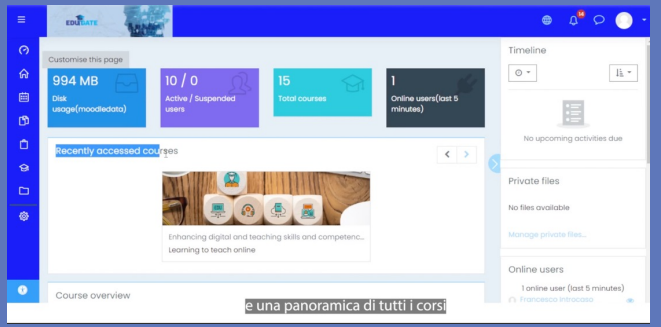
Realization through the use of artificial intelligence of content production to build the illustration and explanation tutorial for the use of the moodle pe elearning platform.

In this mode, we have created:

- **all the content with the use of artificial intelligence;**
- **AI with audio of the voice-over;**
- **Creation of background AI music;**
- **Caption text on video tutorial;**
- **Animation and graphic** on video







Sw, resources used & goals-

The following **software** and **resources** were used in the development of this demo:

Software:

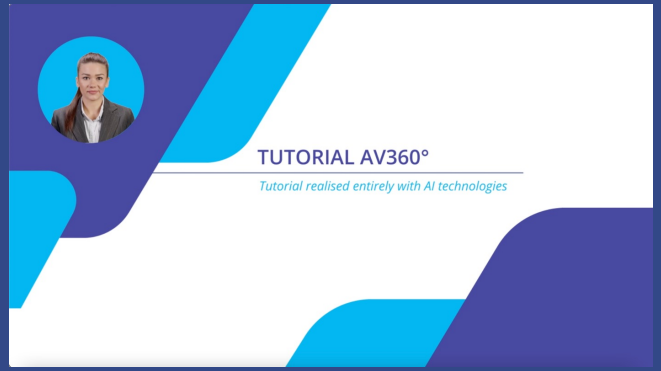
- **Adobe Premiere**
- **Photoshop**
- **After effect**
- **AI software based Play.ht for create audio;**
- **AI Software based Murph for create audio**

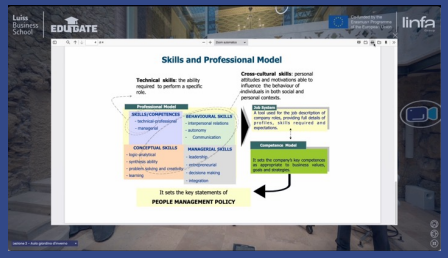
Resources

- **Instructional System designer for create storyboard about the animation and content inside;**
- **Video engeneer**
- **Software engeneer**
- **Graphic engeneer**
- **AI engeneer**

Goals of the innovative demo:

- create a simple tutorial to explain the functioning of internal management systems;
- easily create a voice-over to explain the various steps





Third demo-

AI VRVideo360 Tutorial with videoteaching AI model

The tutorial is one of the most used formats in the elearning field, especially in use within universities or companies to explain the use of internal management systems.

We took the opportunity to use the explanation of the innovative VR360 realistic virtual reality demo as a basis.

In this mode, we have created:

- **all the content with the use of artificial intelligence;**
- **audio of the voice-over;**
- **video speaker that does not exist and created with AI;**
- **Creation of background with AI music;**
- **Caption text on video tutorial;**
- **Animation and graphic** on video

Sw, resources used & goals -

The following **software** and **resources** were used in the development of this demo:

Software:

- **Adobe Premiere**
- **Photoshop**
- **After effect**
- **AI software based Play.ht for audio**
- **AI Software based Murph for audio**
- **AI Software based Syntesia for video**

Resources

- **Instructional System designer for create storyboard about the animation and content inside;**
- **Video engeneer**
- **Software engeneer**
- **Graphic engeneer**
- **AI engeneer**

Goals of the innovative demo:

- In addition to the previous innovative demo, a video speaker has been added who talks and explains in detail the navigation of the VRVideo360 environment. Useful when it is important to give a face to the campus you want to present;
- create a simple tutorial to explain the functioning of internal management systems;
- easily create a voice-over to explain the various steps;

Fourth demo-

AI WBT Web based Training

In relation to the latest news of artificial intelligence related to the software of the **OpenAI** company called **Chat-GPT** 3 and 4 it was decided to build the first WBT Web Based Training through production entirely with artificial intelligence.

The content productions will follow this line, using AI automatically, thus asking only the software to produce the content:

- Enquiry on Chat GPT 4 to produce a text on a topic;
- Creation of slides from the produced text (using an AI-based SW for some screens);
- Creation of an AI teacher video from a photograph, alongside the slides (using an AI-based SW for some screens);
- Creating text animations to support the AI teacher (using an AI-based SW);
- Creation of images to support the AI Teacher video (using an AI-based SW,);
- Creating voice-over audio to support the slides (using AI-based SW);
- Request to Chat GPT - 4 to produce a test on the basis of the previously produced text;

And others AI software for content production

Sw, resources used & goals -

The following **software** and **resources** were used in the development of this demo:

Software:

- **AI Software based Chat GPT 4 for content**
- **AI Software based Play.ht for audio**
- **AI Software based d-id.com for animating the photograph and turning it into a video**
- **AI Software based runwayml.com for removing the background from the video**
- **AI Software based lumen5.com for the creation of a graphic presentation with images chosen by the ai and the animation of texts**

Resources

- **Video engeneer**
- **Software engeneer**
- **AI engeneer**

Goals of the innovative demo:

- In relation to the latest news of artificial intelligence related to the software of the OpenAI company called Chat-GPT 3 and 4 it was decided to build the first WBT Web Based Training through production entirely with artificial intelligence.

- The aim is to make people realise that by following a few instructions via AI tools, any person can create a wbt on different content absolutely independently. Even if they have no specific skills other than knowing how to use the tools correctly. This can be a great advantage for those who have to realise small courses but do not have all the tools to create them independently. And here is a small example of how a course can be created completely with the help of AI

Additional demo-

AI Video teaching from photo about real teacher

This type of demo is created starting from a simple photo of a real teacher to which, with the aid of artificial intelligence, a photograph of him has been applied. The voice is created with the help of artificial intelligence and synchronized with the video.

In this mode, we have created:

- **Storyboard and text base;**
- **Translation text with AI software**
- **AI with audio of teacher;**
- **Create video teaching from real photo about the teacher;**

Additional demo-

AI Video teaching modules introduction

As an introduction to each single module, an experiment was carried out by creating a non-existent teacher through artificial intelligence who introduces the module

In this mode, we have created:

- **Storyboard and text base;**
- **Translation text with AI software**
- **AI with audio of teacher;**

The **greatest value** we can count on is the **people** in **our locations** who work hard every day to bring our branded **Digital Solutions** to life.

Project Manager-

Instructional System Designer-

Content Manager-

Art Director-

Graphic designer-

Video Engineer-

Software Engineer-

Artificial Intelligence Engineer-

Sound Designer-

This is linfa.

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