

ECEL

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Soft Digital Skills in Higher Education Curricula: **HEI's 5.0**

Authors:

Susana Bastos

Manuel Moreira Silva

Liliana Azevedo

Helena S. Oliveira

7th of November 2019

Structure of the Presentation

Context: common places

ICT

Digital Skills

Drivers of Change:

Core Skills for the “student 5.0”

Project CosKi21

Study Methodology:

Main question

Results

Remarks

“You can’t read reality in an empty box”

Context: common places....



Digital twin?

Digital Construct -> Identity
Nasa, 2012

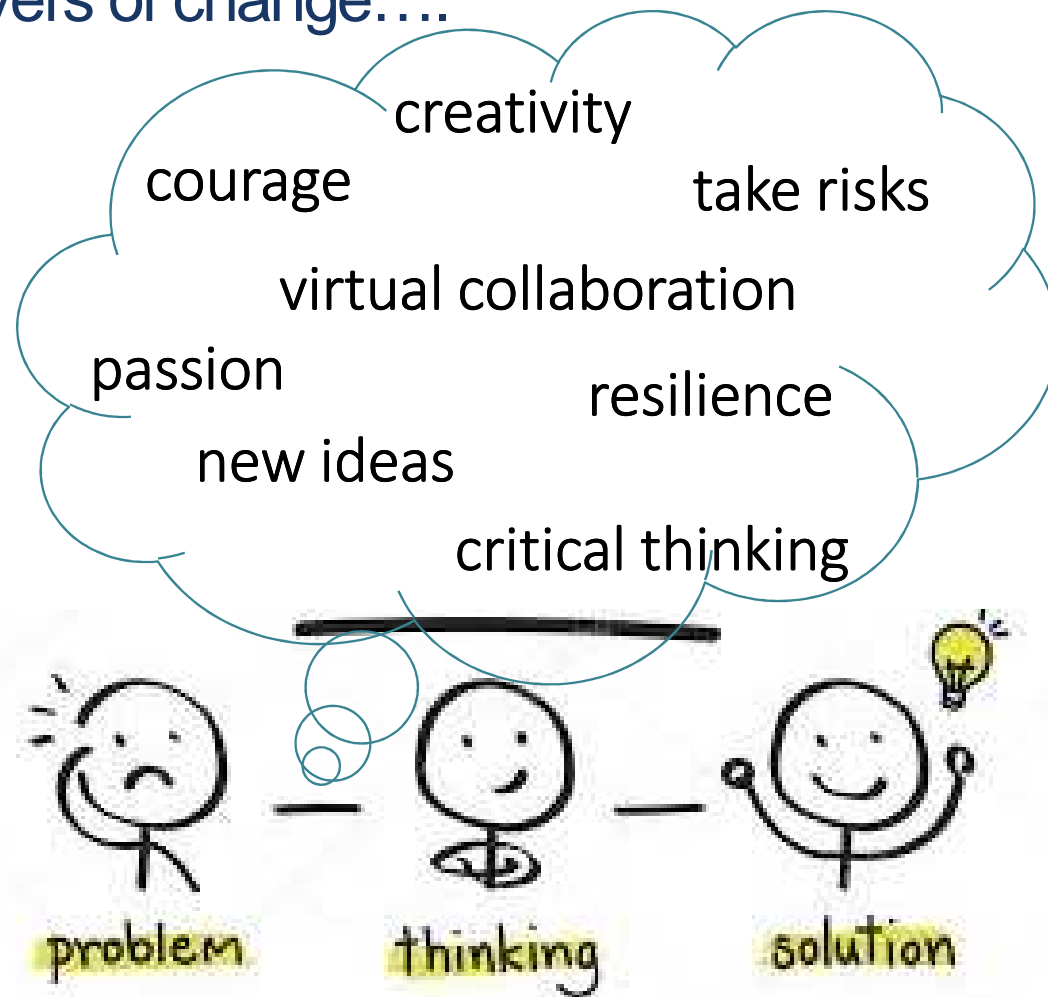
Context: common places....

The major changes have as main emphasis:

- digital transformation of the professions
- a “new eye” to businesses, societies and Educational Institutions
- Unemployment will rise
- lifelong training in the digital era (5.0 circumstances)

Technology provides higher education tools to **engage learning sets** > development of the **core skills** needed to embrace labour market

Drivers of change....

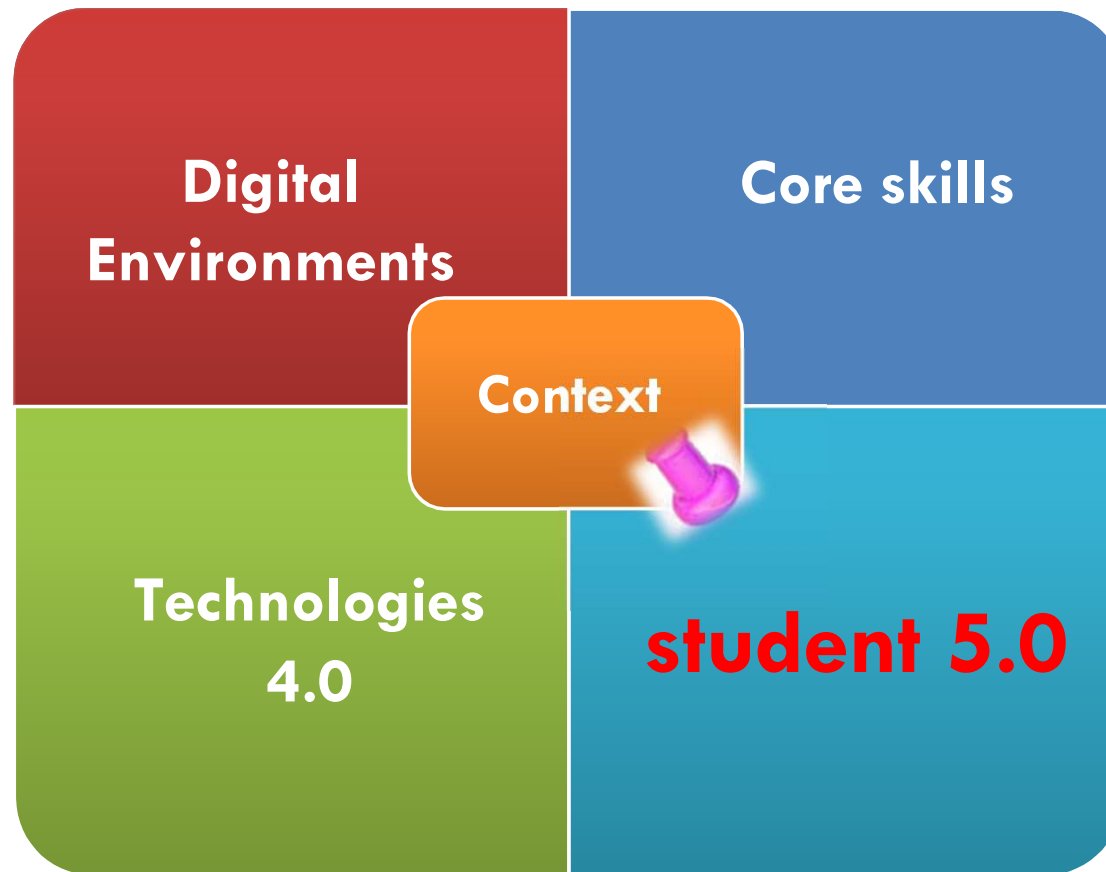


Education for the future: **student 5.0**



Drivers of change....

Education for the future: **student 5.0**



HEI must reinvent themselves in order to maintain their major role in society: to graduate students prepared to a profession!

Drivers of change....

Education for the future: **student 5.0**

Teaching and learning methodologies

Should emphasize **Student as a Human in a changing environment**



Allowing students to experience **real-world vs virtual environments**



in HEI's 5.0

Required changes: **digital competences**,
revised process of teaching/learning,
curricula contents,

Skills-4U

Core skills for the 21st century

Skills that make the difference

Core skills for the 21st century professionals

www.skills-4u.eu



Co-funded by the
Erasmus+ Programme
of the European Union

CoSki21: Core Skills for 21st Century Professionals
(2017-1- ES01-KA203- 038589)



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Why this project?

Recruiters and CEOs/ Managers from companies know the **products or services** they provide

Consequently, they know the **tasks to do**, and the **Hard Skills** that employees need



Some **Hard Skills**, and some **tasks** are also related with some **Soft Skills**



Recruiters and CEOs/ Managers also know the company's **vision, mission, and values**

Vision, mission, and values can be related with some **Soft Skills**



Question

Are companies aware of their Soft Skills needs?



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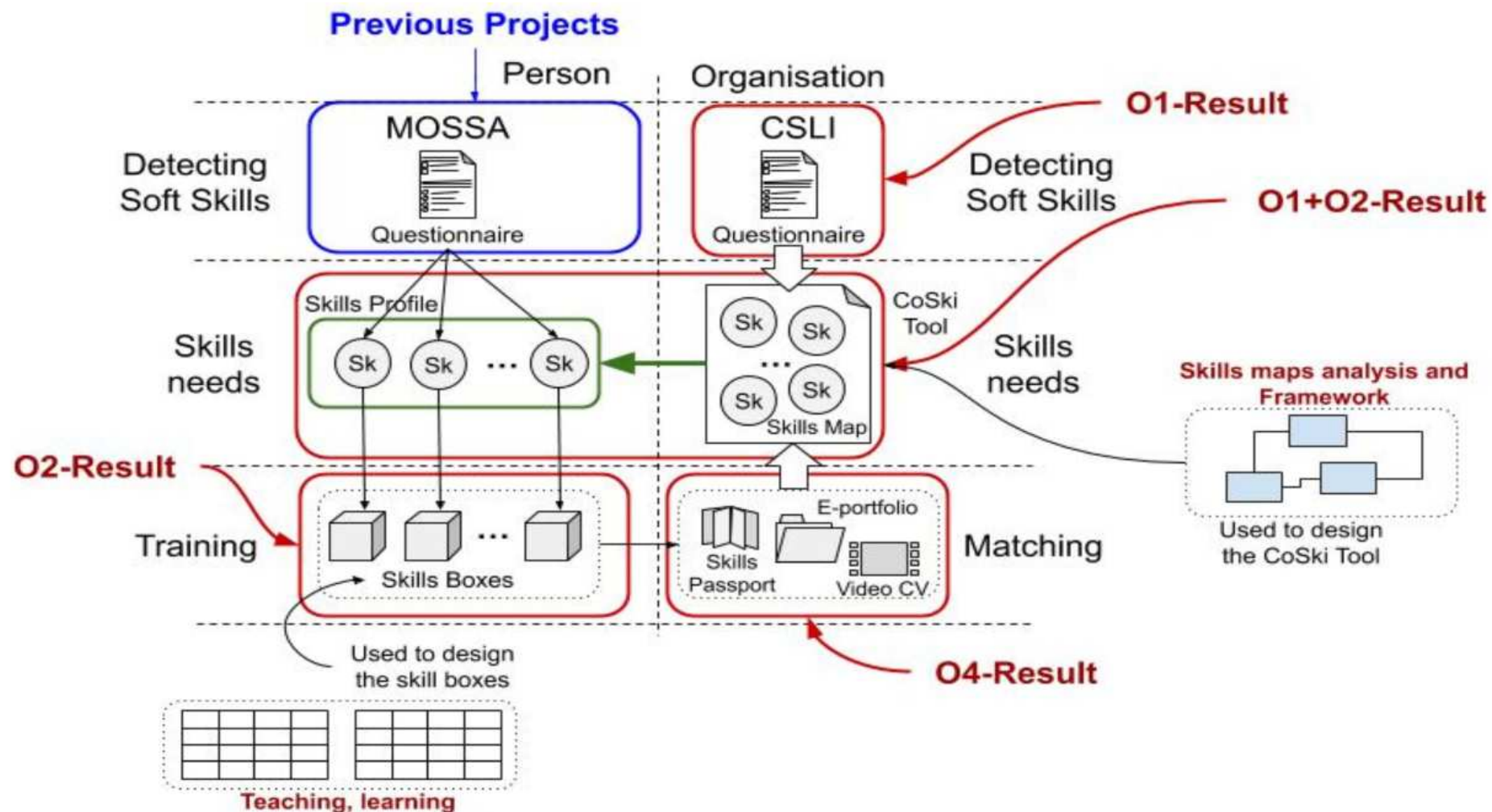


Institut Integra

CEOS.PP
CENTRE FOR ORGANISATIONAL AND SOCIAL STUDIES OF POLYTECHNIC OF PORTO

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Some results....



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Study: methodology

HEI need to **develop analytic competences in a broader sense:**

- implementing new computational systems
- trained staff equipped with the digital skills
- promote the effective use of “virtual learning sets”

How pedagogies and the use of technologies have a meeting point > **humanization** > virtual environments to support the teaching/learning process

Methodology: questionnaires > students > different areas of studies

Population: 220 students; Sample: 132 (100 valid questions)

Study: methodology

11 questions (2nd part of the questionnaire):

- covering the existence of e-platforms to study
- kind of support to study (platforms and teachers)
- information, contents, exercises...

Are the used **tools effective to the learning process** in a short **and long life** term?

Which tools **the students consider more important** and that should be provided by School?

Some results....

HEI use **digital platforms** to:

- support the process of teaching, how?
 - > by providing texts, exercises, ...
 - > simulators and simulated practice to solve real situations

Students say:

“They are **resources that can help in the future**. It is easy to access to all. I think some of the means available are more effective, such as: scheduling trainings turns out to be more effective in a long term learning...”

“**Simulators seems to be more effective** in the short term... interesting experience and feedback...”

Remarks: **Student 5.0?**

How can we prepare our students for the 5.0 era?

How can Higher Education Institutions prepare themselves to be ahead and to instil in the students the perception of the 5.0 era?

Nowadays, universities are using virtual environments in the process of learning.

The student is an individual with an important role in society, so it is quite important to raise the questions about the behaviour and attitudes towards the human itself and not only to "a student".

The creation of a balanced model where emotional intelligence plus "virtual tools" are integrated in the teaching and learning strategies.

Education 5.0 = Education 4.0 + Emotional Intelligence!

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