






HIGHER EDUCATION INSTITUTIONS COMPANIES PUBLIC BODIES

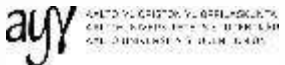

		
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**TOOLKIT FOR TEACHERS:
Tools and methods**

This toolkit for teachers includes a set of elementary learning tools that can be used for up-skilling and re-skilling students and workforce, regarding Industry 4.0, but not limited to this subject area. In addition, several innovative group-centered learning methodologies, that support T-shape and cocreation education, are proposed.

The content of the toolkit for teachers (tools and methodologies) consists of or is associated with:

- best practices connected to methods of education developed on the basis of interviews with professors, teachers, students and industry representatives involved in higher education processes
- description of the training courses
- analyses of educative assets.
- description of other elementary methods of education.
- selection and description of innovative group-centered learning methodologies that support both T-shape and co-creation education and their fusion.

TOOLKITS AND HANDBOOKS

- ✓ Toolkit for Teachers - Tools and Methods
- ✓ Toolkit for Teachers - Technologies
- ✓ Handbook for Industry
- ✓ Handbook for Higher Education Institutions

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TOOKIT FOR TEACHERS: Technologies



This toolkit for teachers – technologies is supplementary material for the toolkit for teachers. It comprises a range of digital technologies that can be used to support and successfully implement modern and innovative initiatives in education. Software applications that support such important areas of modern education such as collaborative work, remote collaboration, information collection, sharing, structuring, as well as moving portions or the entire learning process to the online format, are described.

The content of this toolkit for teachers (technologies) consists of or is associated with the selection and description of technologies that support:

- group project work.
- e-learning and blended learning tools.

HANDBOOK FOR INDUSTRY



The Handbook for Industry was created to briefly present Industry 4.0 and its potential benefits. Moreover, it promotes sincere cooperation between the Industry and Higher Education Institutions. The recipients of this publication are executives in companies that want to be a conscious subject of the Industry 4.0 revolution.

In Chapter 1, the handbook presents the benefits a company can obtain through Industry 4.0. The chapter also briefly presents tools developed by companies and researchers that can be used to estimate a referential Industry 4.0 level and to monitor its development. Chapter 2 describes incentives to cooperate with universities in creating new fields of education, especially when new professions emerge. Finally, Chapter 3 contains recommendations worked out during the workshops organized as part of the Universities of Future project. It also sketches out the risks of new solutions and their confrontation with the effects of the COVID-19 pandemic.

HANDBOOK FOR HEIs



The 4th industrial revolution is bringing significant changes in working life and private companies' operations and universities must adapt to the ongoing changes and take up the resulting challenges.

HEIs support companies in taking their challenges on, providing a skilled workforce and constant training. Not only is the cooperation mutually beneficial, as the industry can deliver market insights. It is also providing support, innovation, and economic development for local societies through social programs.

The handbook was created to briefly present Industry 4.0 and its potential benefits and threats for HEIs – higher education institutions. Opportunities for development and changes brought about by changes in the organization of work resulting from the onset of the fourth industrial revolution is presented, as well as threats resulting from the insufficient speed of adapting to the market needs. Moreover, it promotes sincere cooperation between the industry and Higher Education Institutions. The recipients of this publication are executives in companies that want to be a conscious subject of Industry 4.0 revolution.