

DiGI-VET

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DIGI-VET

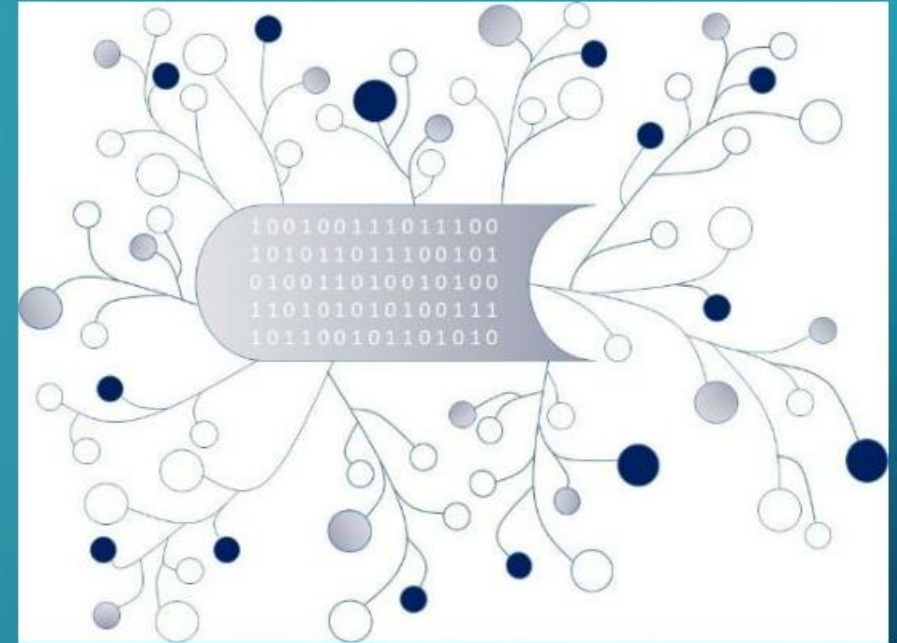
FOSTERING DIGITISATION AND INDUSTRY 4.0 IN
VOCATIONAL EDUCATION AND TRAINING

Teacher Module 3

Module 3:

Importance of Digitisation for Education and Industry: from Smart Data and Smart Devices

AR Vocational Education and Training Ltd., Gelija Tamulyte and Rajesh Pathak



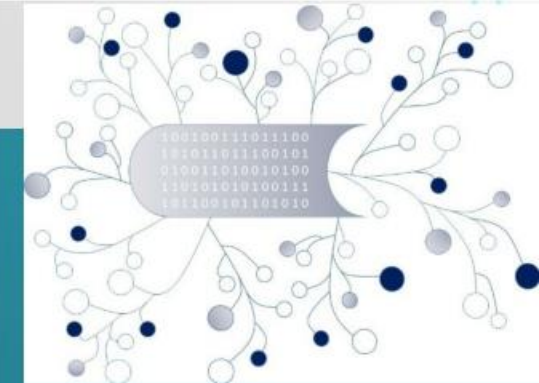
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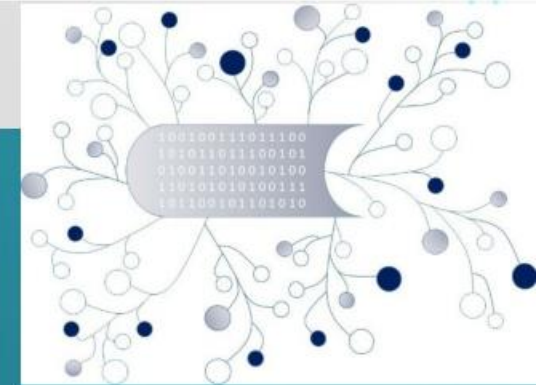


Agenda of Module 3: Good practices of Digitisation

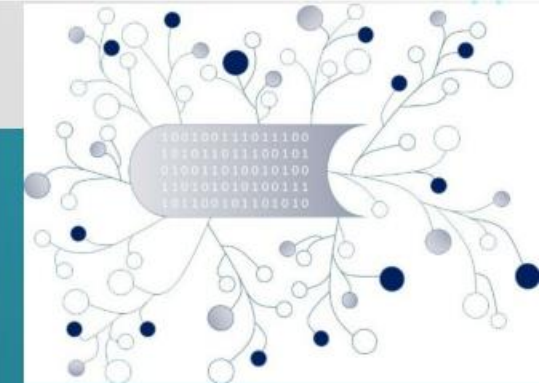
1. The Importance of Digitisation in Education
2. The importance of Digitisation in Industry
3. EU and UK perspective on Digitisation
4. Learner Test



Opportunities in Education



Risks in Education

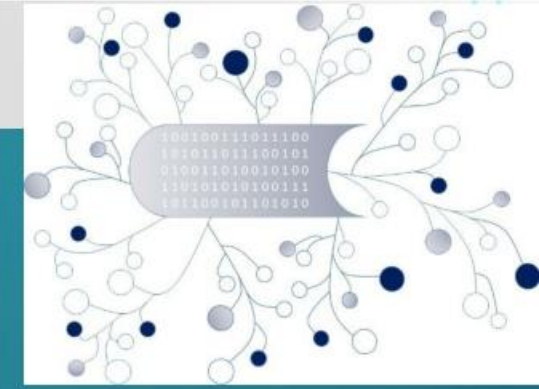


Lack of focus

Loss of social interactions

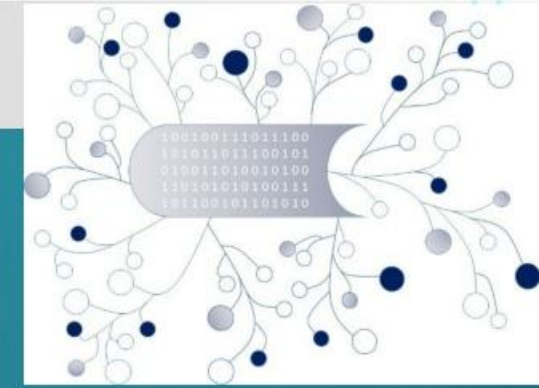
Incompetence to use technologies for teaching purposes

Opportunities in Industry: positive correlation along Education



- Energy Biosciences Institute (EBI) partnership (2007)
- Cisco&Intel partnership with University of Melbourne (2008)
- JISC UK Digitisation Programme (2004-2010)
- UK and Google Partnership to release online 250.000 books with free access (2011)
- Erasmus+ EDUC European Digital UniverCity (2019)

Risks in Industry

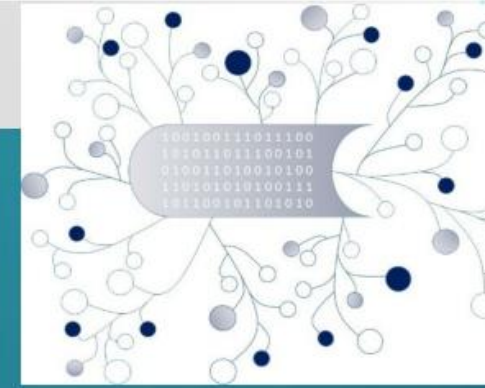


Maintenance of Human Labour Force

Incompetence to use machinery

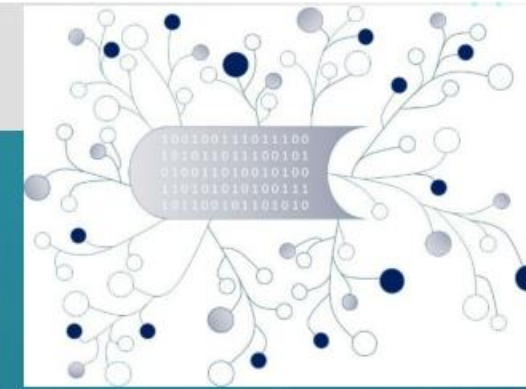
Unfulfilled job positions
e.g. in EC report, over 756.000 predicted unfulfilled vacancies

EU and UK involvement



- In 2007, EU released legal regulations on 3D printing. It shows how digitization shapes the differences in current legal system.
- In 2014, EU established a development program to integrate technologies in learning process. Investments into this education program boost logical thinking , provides new set of skills and an easy flexible access to learning material.
- In 2011, UK had a collaboration with Google to release over 250,000 books with an easy free online access providing historically significant resources from 1700-1870.
- Currently, UK takes a modern approach along with digitization and invests in public transport providing easy mobile payments and customer experience.
- Digital Railway programme is being used to track passenger information in more than 300 aircrafts.

LEARNER TEST



TASK

Learning Management System providing teachers easier access to store learning material _____ .

MOOC is the abbreviation of _____ .

List at least five opportunities of digitization in education:

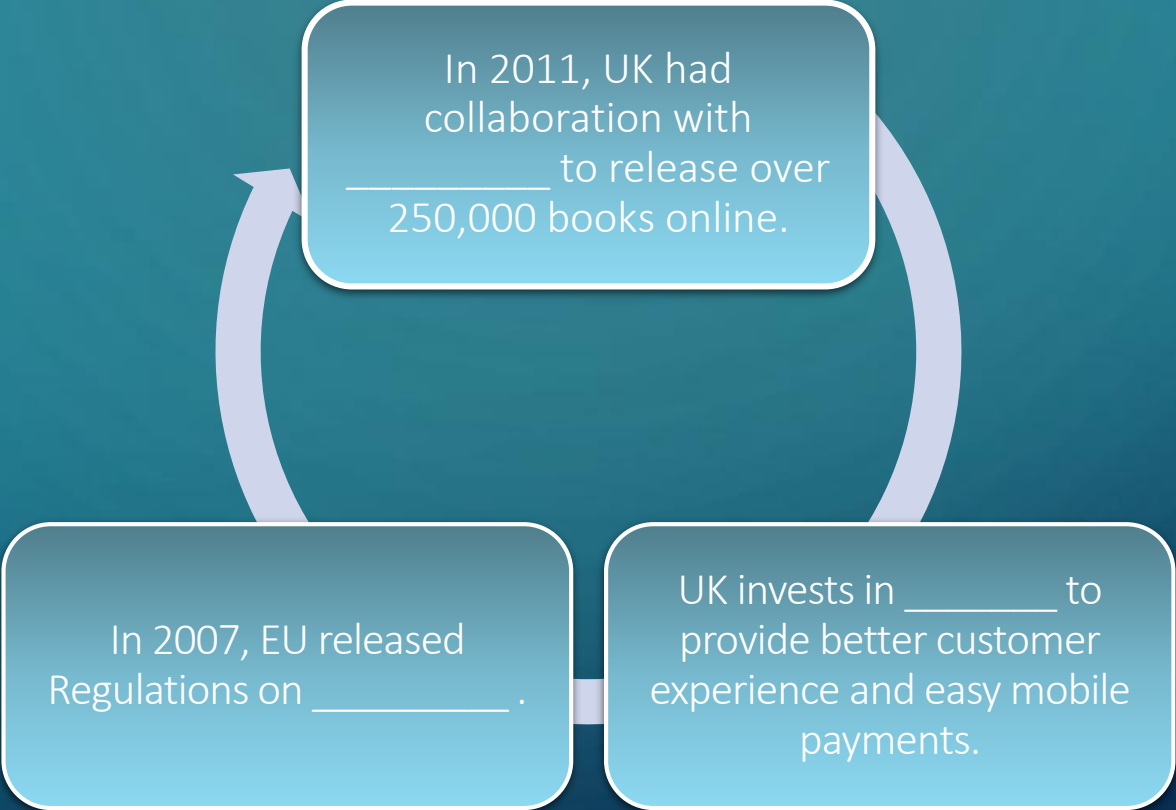
- 1.
- 2.
- 3.
- 4.
- 5.

What is the common risk of digitisation both in Education and Industry? _____ .

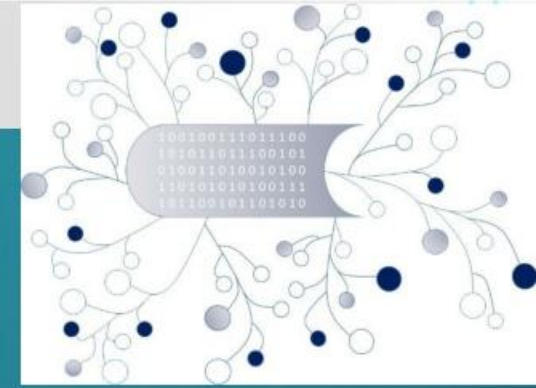
List two partnerships focusing on the Industry working along Education: _____ and _____ .

List three risks that occur in the Industry are due boosting Digitisation: _____ , _____ , _____ .

Knowledge about EU and UK involvement



Task



Learning Management System providing teachers easier access to store learning material

_____.

MOOC is the abbreviation of _____.

List at least five opportunities of digitization in education:

- 1.
- 2.
- 3.
- 4.
- 5.

What is the common risk of digitisation both in Education and Industry?

_____.

List two partnerships focusing on the Industry working along Education: _____ and

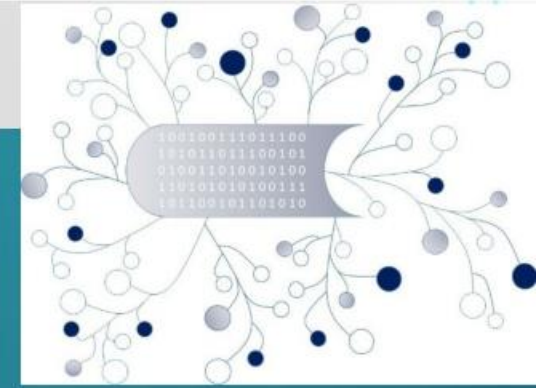
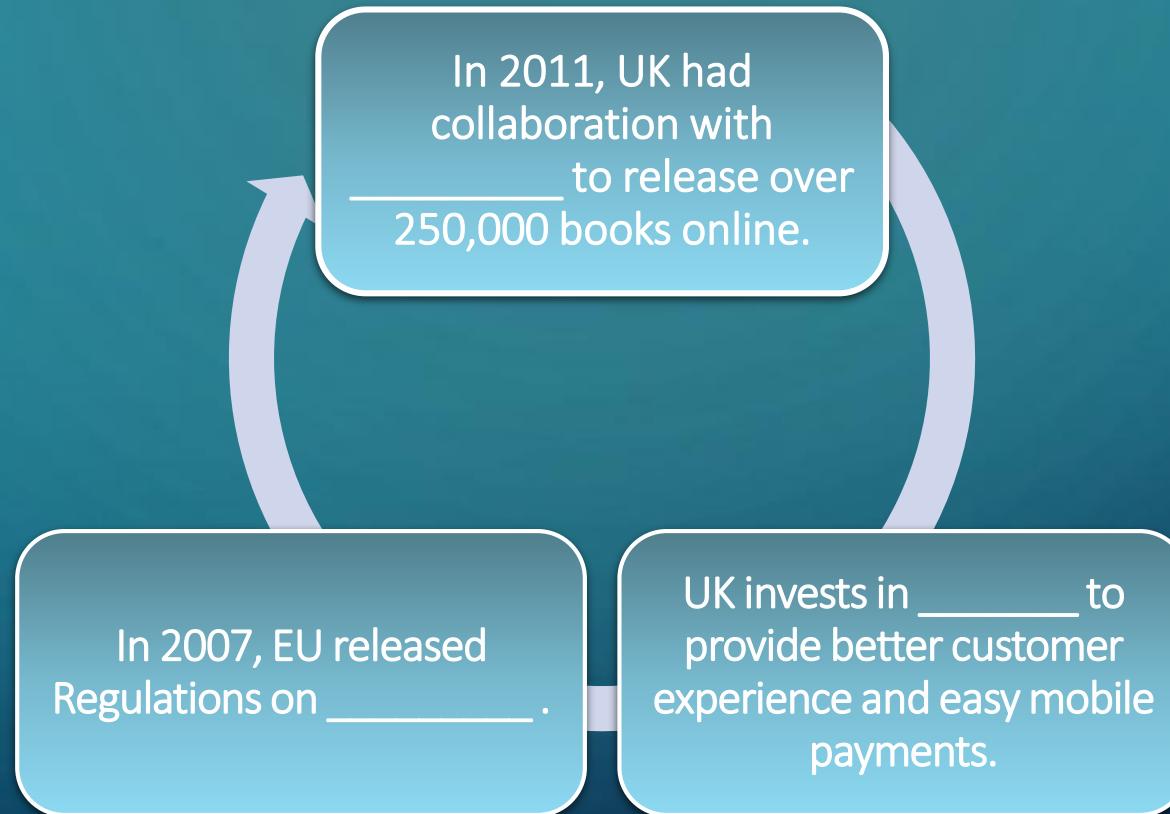
_____.

TASK

Task

Fill in the gaps and check your knowledge about EU and UK involvement in regard to digitization.

TASK



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