



**LV- UA project**  
**Gender aspects of digital readiness and human capital development in regions**

**Educators' professional development online program**  
**LEARNING FOR POST-INDUSTRIAL DEVELOPMENT**

**MODULE 3**

**November 19<sup>th</sup> 4 h (Olena Mykhailenko)**

**Women and IT: The Readiness**

Digital skills, attitudes and cultural orientation. What does digital readiness mean? Ukraine and Latvia, Ternopil and Latgale regions: The economic and cultural portraits. The findings of the stage I of the project. The democratizing, empowering methods in teaching and learning. Overcoming the mental barriers. Guest-speakers: Women in IT.

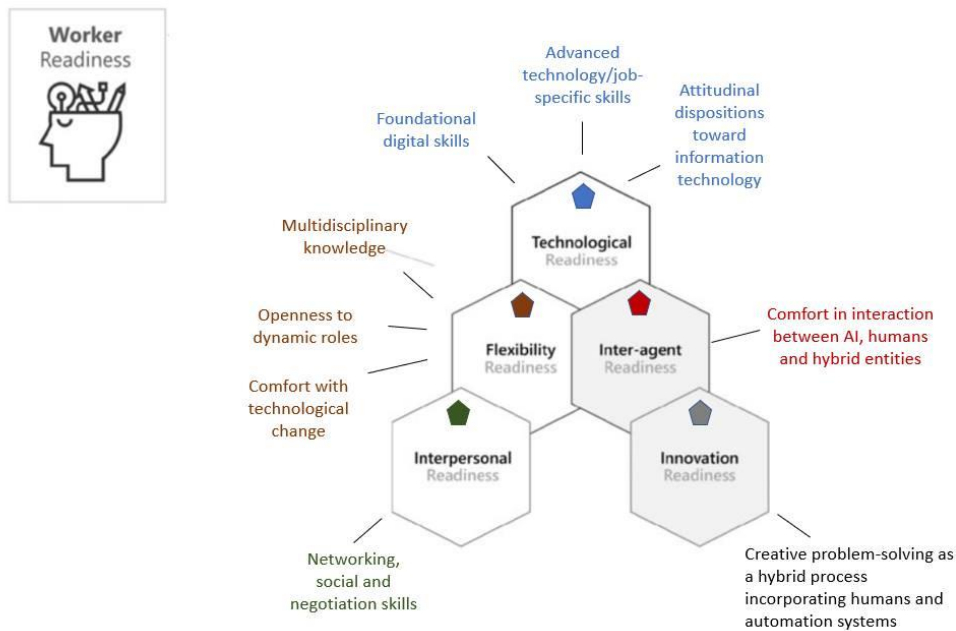
**Readings:**

Mykhailenko, O., Blayone, T., Usca, S., Desyatnyuk, O., & Kvasovskyi, O. (2020). Optimism, interest and gender equality: Comparing the attitudes of university students in Latvia and Ukraine toward IT learning and work. Submitted to Compare, 1-31.

**Activities:**

1. A guest-speaker - a woman built a successful IT-career. Discussion of pros & contras, issues and important points.
2. Essay: Increasing my professional readiness to digitalized work (Moocs, online courses, self-expression, transformative-learning elements, etc.)

## Digital Readiness Model (Blayone, van Oostveen, 2020).



### Module 3: Readiness

1/4

Set background Clear frame

Industry 4.0	Internet of Things	Virtual Reality	Big Data	Cybersecurity
Nano technologies	Transformation everywhere	Production capacity increase	E-dating	Digitalization
Society 5.0	production capacity increase	Generation Z	Sharing economy	High-Tech Strategy
Super-smart society	Educational reform	IT literacy	Blended learning	

Olga Vindača, Olena Mykhailenko, Irina Ivanova, Andriy Abuze, Martins Spridzans, Dzintars Ilisko, Irina Gumovska, Todd Blayone, Irina Iliash, Mykhailo Oleksiv

11/19/2020

Video conference interface showing participants: Olena Mykhailen..., Irina Ivanova, Dzintra Ilisko, Todd Blayone, and Дмитрий. The main content is a Google Docs document titled "Challenges and solutions" with the following table:

Challenges:	Solutions
<ul style="list-style-type: none"> <li>- personnel problem (low-qualified teachers)</li> </ul>	<ul style="list-style-type: none"> <li>- to connect theory and practice, increase applied knowledge</li> <li>- to create ways of putting knowledge into money</li> <li>- teacher as investor of students' IT projects</li> </ul>
<ul style="list-style-type: none"> <li>- disbalance in professions that may be solved with the help of AI in some fields</li> </ul>	<ul style="list-style-type: none"> <li>- get deep into life-long learning</li> <li>- follow the trends</li> </ul>
<ul style="list-style-type: none"> <li>- necessity to get more than one profession</li> </ul>	<ul style="list-style-type: none"> <li>- multidisciplinary education (Who will do that?)</li> </ul>

Below the table is a video conference control bar with buttons: Stop Video, Security, Participants (21), Chat, Share Screen, Record, Breakout Rooms, Reactions, and End.

Video conference interface showing participants: Olena Mykhailen..., Irena Zogla, Uliana Tykha, and Олена Литвинен..., and Дмитрий. The main content is a Jamboard titled "Group work" with the following content:

**Features of new generations: they are visuals**

- Smart technology - teachers not ready!**
- Entering the plateau of productivity within educational technology**
- Medial Literacy skills**
- EMOTIONAL INTELLIGENCE**
- Psychological intellect**
- TRANSFERABLE SKILLS**
- RESILIENCE**
- COLLABORATION**
- critical thinking**
- Social challenges of Industry 4.0**
  - Privacy concerns
  - Surveillance and distrust
  - General reluctance to change by stakeholders
  - Threat of redundancy of the corporate IT department
  - Loss of many jobs to automatic processes and IT-controlled processes, especially for blue collar workers
- Society 5.0**

Below the Jamboard is a video conference control bar with buttons: Stop Video, Security, Participants (21), Chat, Share Screen, Record, Breakout Rooms, Reactions, and End.