

Digitalization of education and transformation of the labor market in the post-pandemic period

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Socio-economic consequences of COVID-19

Direct:

- Decline in employment
- Decline in demand

Indirect

- The emergence of remote work opportunities
- Digitalization of work processes and professional development and retraining programs
- Transformation of business models

The impact of the Covid-19 crisis on the female segment of the labor market

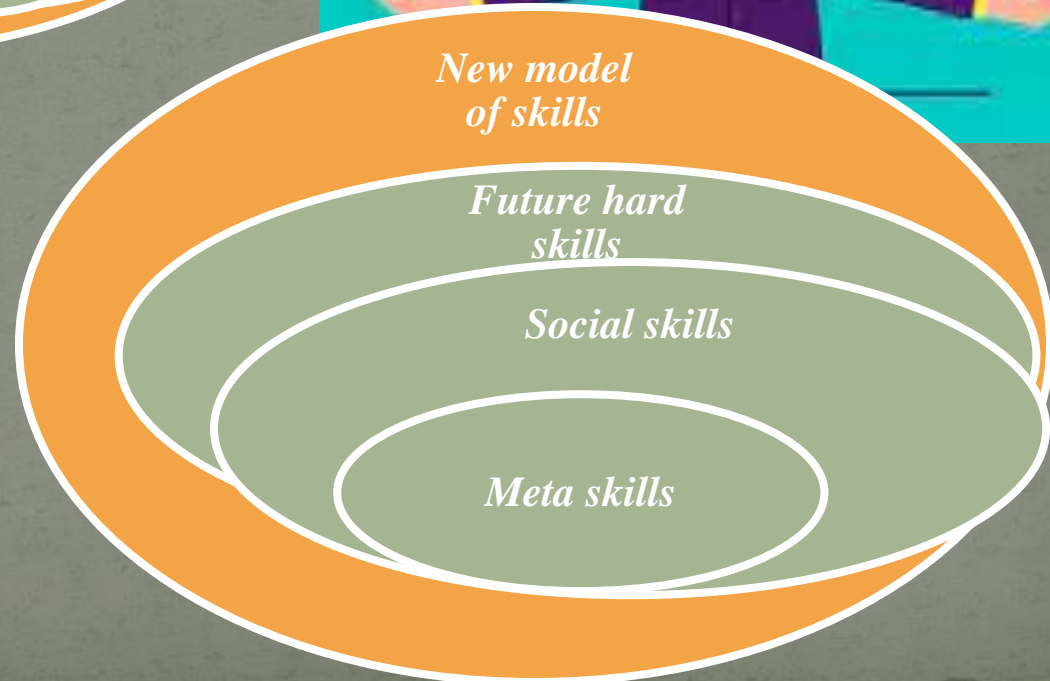
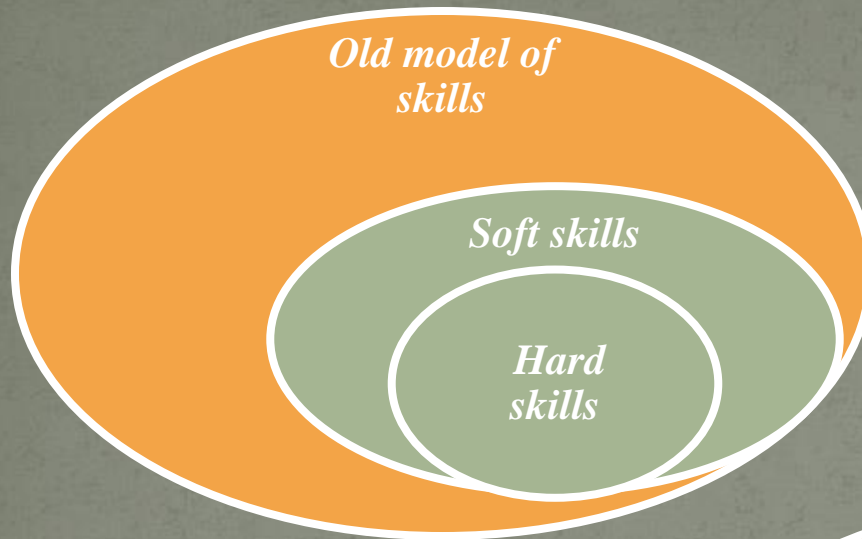
- women are concentrated in sectors that are more affected by quarantine restrictions (services and trade: 70%)
- narrowing access to social services (schools and kindergartens) has affected the productivity of women in the labor market
- automation and digitalization of business processes reduced the demand for women's labor, which was more represented in this segment



HOW IS THE LABOR MARKET TRANSFORMING?

- By 2030, 15% of the world's jobs (400 million) could disappear through digitalisation (McKinsey Global Institute) - estimates for a pandemic
- Jobs will disappear where human manual labor can be replaced by machines.
- Cashiers → automatic kiosks, sorters → robots
- A cluster of office workers will be threatened by automation.
- Clerks → electronic document management, as well as economists, administrators, secretaries, realtors, insurance agents, etc.

Models of skills

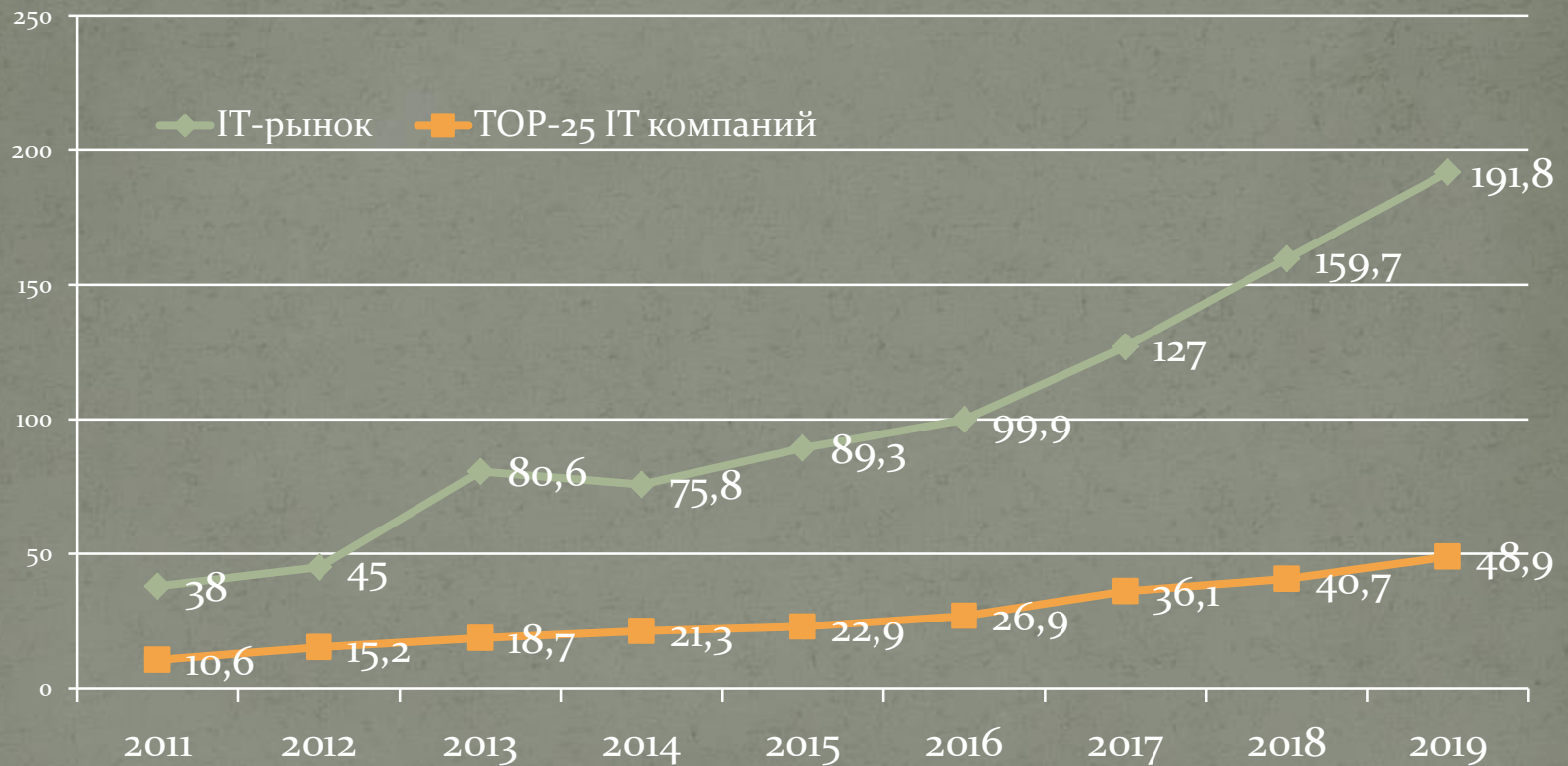


Risk matrix for occupational groups

(1 - low risk, 2 - medium risk, 3 - high risk)

Cluster	Risks through automation	Risks due to a pandemic
Management and senior civil service	1	2
Office workers	3	1
Researchers and engineers	2	3
Educators	1	2
Services and trade	2	2
Technical workers in production	2	2
The simplest professions	3	3

Capacity of the IT labor market in Ukraine



Scenarios for the development of educational systems



Scenario 1 <i>Massovization and internationalization of education</i>	<ul style="list-style-type: none">• availability• minimization of costs low• cost of services
Scenario 2 <i>Modern forms of education, prevalence of off-line format</i>	<ul style="list-style-type: none">• educational atmosphere, communicate• retain students from their home country• • business development

The main trends in education in the post-pandemic period

- lifelong learning
- globally oriented educational programs
- customization of education
- cooperation
- educational ecosystems

