



Information and Analytical Resources in the Systems of Technological and Vocational Education



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Research problem

Remote education in our country has an extensive and rather long history dating back to the times when computer and network technologies were not used in pedagogy.

The use of electronic means of remote education has become common in recent decades. Remote education in our country has an extensive and rather long history dating back to the times when computer and network technologies were not used in pedagogy.



Research problem

In our article, we analyzed a number of digital educational resources (DER), the use of which can provide significant assistance in the training and conduct of classes for teachers of special disciplines of vocational and technical institutions.



APPROACH



We conducted a search on the Internet, investigated the availability of information and analytical resources that support the professional and practical component of the educational process, analyzed their content, developed a classification, taking into account national characteristics, and also took part in the development of a number of such resources.



STATEMENT OF BASIC MATERIAL AND THE SUBSTANTIATION OF THE OBTAINED RESULTS



- 1. Management web resources.**
- 2. Information resources.**
- 3. Simulators of practical activities.**
- 4. Thematic virtual collections.**
- 5. Resources to directly support the organization of training sessions.**
- 6. Toolkit for building electronic resources.**
- 7. Integrative systems of support for distance learning.**
- 8. Analytical systems.**



STATEMENT OF BASIC MATERIAL AND THE SUBSTANTIATION OF THE OBTAINED RESULTS



U = Internet

E = DER

A = information and analytical resources

P = VE system resources

S = information and analytical resources of the VE system

F = acceptable resources

Information and analytical resources of the VE system at the intersection with the DER are the resources from the above classification described in paragraphs 1, 2, 4 and 8.

STATEMENT OF BASIC MATERIAL AND THE SUBSTANTIATION OF THE OBTAINED RESULTS



Examples of information and analytical resources of the VE system

Type	Exploratory research	
1.a	https://mon.gov.ua/ua/tag/profesiyno-tekhnichna-osvita	Section "Vocational Education" of the website of the Ministry of Education and Science.
	https://imzo.gov.ua/osvita/profesiyno-tehnichna-osvita-2/profesiyna-osvita/	Section "Professional Education" of the website of the Institute for Modernization of Education Content.
	https://ivet.edu.ua/	IVET website.
	http://pto.org.ua/	Vocational Education Portal of the VE Institute.
	https://sites.google.com/view/portalpto/	All-Ukrainian Methodological portal of Vocational Education.

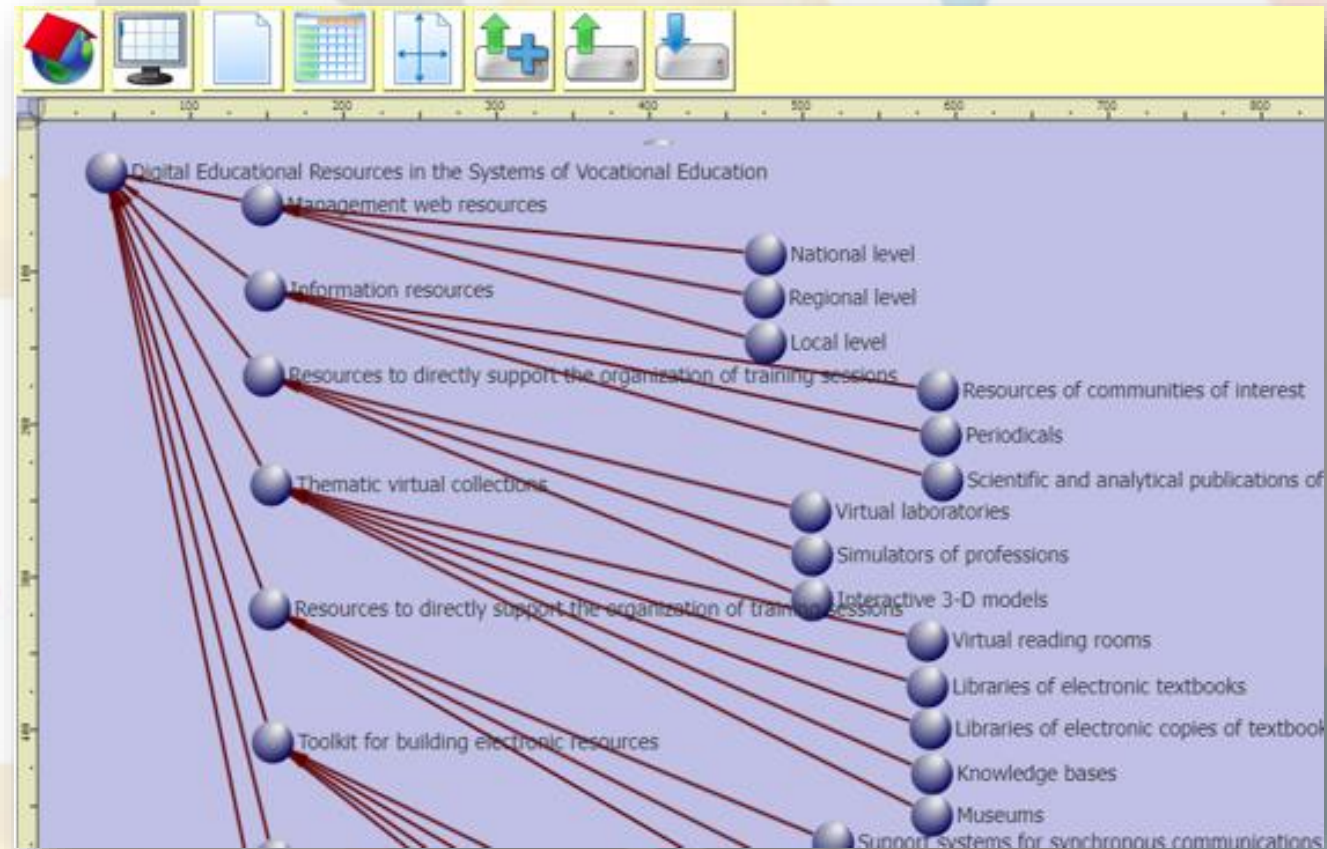
STATEMENT OF BASIC MATERIAL AND THE SUBSTANTIATION OF THE OBTAINED RESULTS



Examples of information and analytical resources of the VE system

Вид	Практическое исследование (practical research, create, modernization).	
1.a	http://pto.org.ua/	Portal of vocational education of the VE institute.
1.b	https://nmcdon.org.ua/	Site of Donetsk SMC VE.
	http://zpto.in.ua/	Site of the Transcarpathian SMC VE
1.c	http://www.bplsp.com.ua	Website of the Beregovovo Professional Lyceum of the Service Sector.
	https://rpl80.org.ua	Rodinsky Professional Lyceum website.
4.b	https://lib.pto.org.ua/	Library of electronic textbooks for the VE system of the Institute of VE.
	https://libupal.pto.org.ua/	Library of electronic textbooks for the VE system SEI "Uman Professional Agrarian Lyceum".
	http://dcsp.pto.org.ua/	Library of electronic textbooks for VE system SEI "Khmelnysky VE Center of the Service Sector".

STATEMENT OF BASIC MATERIAL AND THE SUBSTANTIATION OF THE OBTAINED RESULTS



Ontological Model of Information and Analytical Resources of VE systems of Ukraine created at <http://ontos.xyz>

Conclusion

The large-scale introduction of remote education into the vocational education system is a complex process. The most important factors were both the rather low computer literacy of teachers of this link in the education system, and the lack of a unified national system of electronic information and analytical resources of the vocational education system. The existing resources do not fully cover the needs of the pedagogical process of studying practice-oriented disciplines.

We see the need to create integrating information (information and analytical) catalogs of digital educational resources, targeted information campaigns to familiarize the participants of the pedagogical process in the VE system with them.

Thank you for your attention !!!

