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Crisis and Risks Engineering for Transport Services (CRENG: 598218-EPP-1-2018-1-PL-EPPKA2-CBHE-JP)



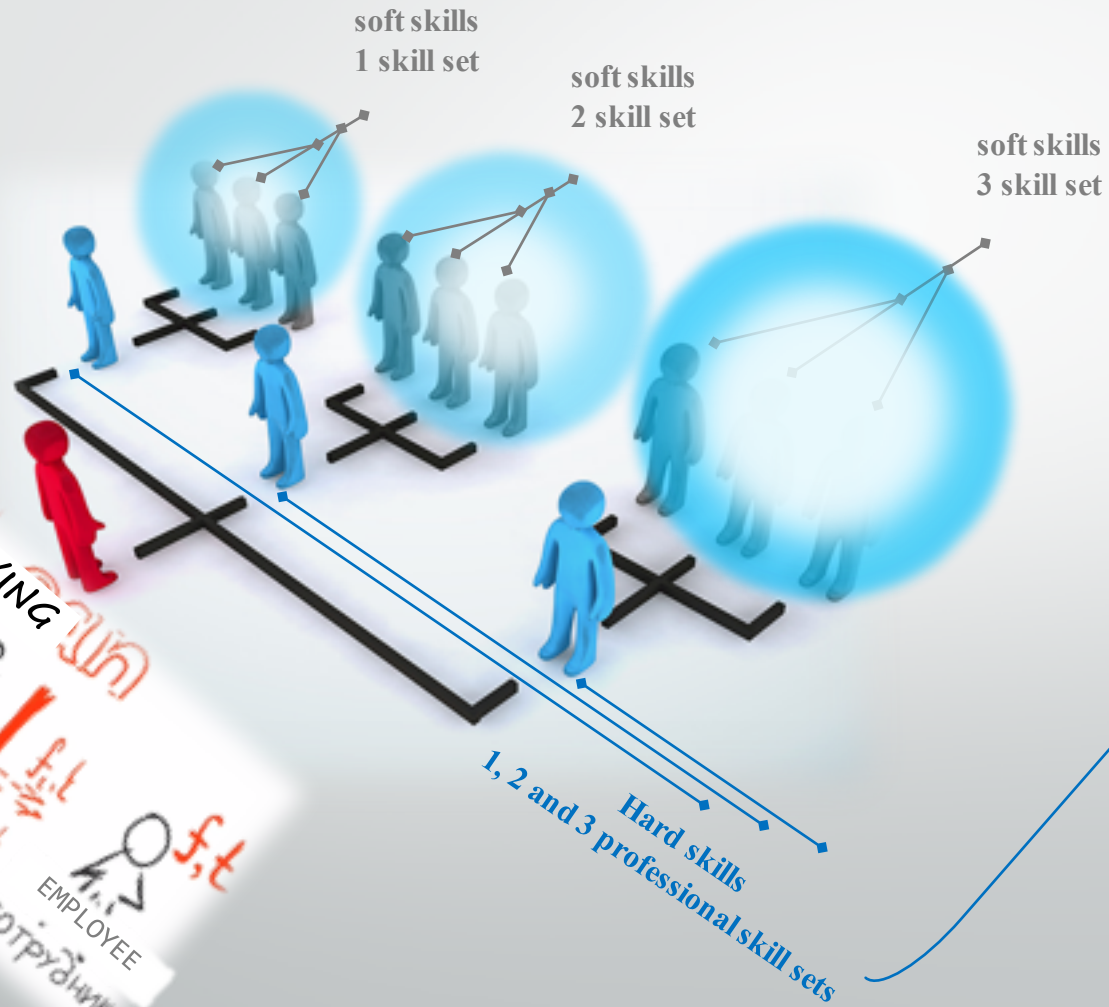
Project Coordinator
from Pryazovskyi State Technical University
PIRCH IHOR

Implementers:
VOLOSHYN V'YACHESLAV
LAMZIN ANDRIY
POMAZKOV MYKHAYLO

Warsaw, Feb 27-28, 2019



LEAN-TECHNOLOGY OF SPECIALISTS' SKILLS SMART-DEVELOPMENT ACCORDING TO CRISIS AND RISK ENGINEERING IN TRANSPORT SERVICE EDUCATIONAL PROGRAM



SPECIFIC
MEASURABLE
ACHIEVABLE
REALISTIC
TIMELY




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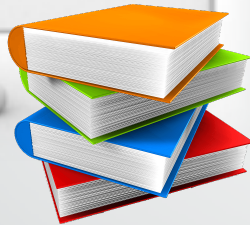




FORMING THE SOFT SKILLS SET (AREAS OF KNOWLEDGE) FOR SPECIALIST



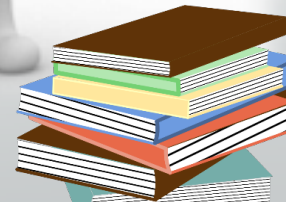
AREA OF KNOWLEDGE (1):
Economical Production
Technologies in Transport
Processes



Set of studying disciplines necessary to master the area of knowledge (1)



AREA OF KNOWLEDGE (2):
Transport Processes
Engineering in High-Risk
Environments



Set of studying disciplines necessary to master the area of knowledge (3)



AREA OF KNOWLEDGE (3):
SMART Mechanisms of
Transport Systems Efficiency
Provisioning in the Economic
Crisis



Set of studying disciplines necessary to master the area of knowledge (2)



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BASIC LEAN - PRINCIPLES OF MUTUALLY COMPLEMENTARY FORMATION OF SPECIALISTS IN THE DIRECTION: "RISK AND CRISIS ENGINEERING OF TRANSPORT SERVICES", IN THE FORM OF SUBJECT CLUSTERS

The basis of the SMART educational program

The principle of mutual complementary education in the form of subject clusters.

The peculiarity of the basis implementation lies in the organization of the educational process, which allows forming groups of graduates for the particular enterprise specific tasks. For example, the task of **opening a new enterprise** or the **solution of target tasks of changing in the range of products, the design of enterprise facilities, etc.** The cost of such groups may be quite high.



Forming basis



Curricula are formed from professional disciplines. They are aimed at the additional professional skills formation, and they are response to dramatic changes in labor market needs, where standard mechanics, metallurgists, translators, and managers are less and less needed. And possessing related knowledge in various fields specialists with a joint education are more and more required.

The curriculum has a complete professional structure of a specialist from a cluster of several disciplines, for example:

- maths, physics;
- theoretical mechanics, strength of materials, theory of machines and mechanisms;
- hydraulics, fluid dynamics;
- thermodynamics, heat engineering;
- theoretical foundations of electrical engineering, basic electrical engineering.

* complex programs may consist of two or more specialties or areas of knowledge



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SPECIALISTS FORMATION FORMULA IN THE RISK AND CRISIS ENGINEERING FOR TRANSPORT SERVICE DIRECTION, RECEIVED HARD SKILLS LEVEL AND OWNED THE ADDITIONAL SOFT SKILLS LEVEL



$C + c1$

Hard skills railway transport technologies + Soft skills transport companies legal activities

Hard skills road transport technology + Soft skills IT-technology

Hard skills transport technology (by type of transport) + Soft skills technical translation

Hard skills transport technology (by type of transport) + Soft skills environmental risk management

Hard skills transport technology (by type of transport) + Soft skills management



$C + c1 + c2$

Hard skills transport technology (by type of transport) + Soft skills economic logistics + Soft skills management

Hard skills transport technology (by type of transport) + Soft skills technical translation + Soft skills environmental risk management

* C – professional skills (diploma); c – (certificate)



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Thank you for your attention!!!

Kateryna Polupanova
Priazovskyi State Technical University
polupanova.pstu@gmail.com

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