

DOI

УДК 378.14:004-057.4

O. Borets

THE INFLUENCE OF MODERN INNOVATIONS, PANDEMIC AND MILITARY RESTRICTIONS ON THE DEVELOPMENT OF CONVEYANCE ORGANIZATION AND TRANSPORT MANAGEMENT SPECIALISTS' PROFESSIONAL COMPETENCES

Resume

The article is devoted to the analysis of the modern innovations and trends influence in the transport industry, as well as pandemic and military restrictions on the development of specialists' professional competencies in the conveyance organization and transport management.

***Goals** Scientific research encompasses in the theoretical substantiation of the parallel between innovative trends in the development of transport technologies and the state of professional training of specialists in the conveyance organization and transport management in institutions of Ukraine higher technical education.*

The research is based on theoretical and methodological principles: structural and systemic analysis; systematization, comparison and generalization of information sources, experience and achievements in this area, as well as pedagogical design for modeling the possibilities of applying the obtained results in domestic educational practice.

***The results.** During the conducted research, the main consequences of implementing cutting-edge technological advancements for society as a whole were examined. Emphasis was placed on the necessary changes in the transportation sector, driven by the country's military state. It highlighted the requisite knowledge and skills of professionals in the field of transportation technologies, emphasizing their need to be adaptable and competitive, capable of orchestrating professional activities integrating a wide spectrum of competencies and adapting to the conditions of rapid scientific development. This involves possessing essential professional qualities such as a high level of fundamental and professional knowledge, the ability to actively employ innovations, and skills in profound self-learning.*

***Conclusions.** The article identifies the main trends in the development of the transport services market during the pandemic period and establishes the factors of influence, due to the military situation in the country, on the specialist's professional competencies transformation in the organization of conveyance and transport management in order to increase the requirements for the professional training of industry workers.*

***Keywords:** development of trends; innovations; martial law; pandemic; professional competences; transport technologies*

Introduction. Today, there is a fierce competition between states for dominance in the world market for the provision of transport services, where competitive advantages are provided by speed, safety and efficiency, which directly depends on the wide use of innovations and high technologies, thus increasing the level of the country's competitiveness.

Ukraine, having significant transport and transit potential in Europe, whose economy is largely oriented on export-import operations, needs, in turn, the creation of an effective national transport system. That is why, in the "National Transport Strategy of Ukraine (NTSU) for the period until 2030", four of the five priority directions directly relate to the management and technologies of transportation, namely: ensuring the efficiency of the management of the transport sector; provision of high-quality and efficient transportation services; increasing safety and reliability of transportation; improvement of urban mobility and regional integration of Ukraine. This, in turn, requires strengthening the requirements for the professional training of specialists in the field of transport, which is one of the most important prerequisites for the development and improvement of the transport system and the improvement of the Ukraine socio-economic development. Therefore, the problem of training future specialists in the organization of conveyance and transport management for effective professional activity is gaining relevance.

The basis for studying and solving issues of the theoretical and methodological foundations of training specialists in conveyance organization and transport management are the results of research by renowned scientists, such as the development and implementation of new technologies (Prokudin, 2013; Zaionchyk, 2010), the formation of transport systems and transport support (Beljaev, 2014; Vorkut, 2002, Dmytrychenko, 2007; Zerkalov, 2006; Marintseva, 2015; Pasichnyk, 2018; Iatskivskiy, 2007; Havrylov, 2005); integration of methods, forms, methods and content of future specialists' professional training (Borets, 2013; Garmash, 2018; Danalakii & Khabiuk, 2017; Yelina, 2017). The obtained research results, contributing to the implementation of an integrative approach to education and improving its quality, at the same time, reveal the presence of problems in the professional training of future specialists in the organization of conveyance and transport management in higher technical education institutions in the conditions of innovative transport development. Thus, a theoretical study devoted to the updated requirements for the professional competence of future specialists in the conditions of society digitalization, pandemic and military restrictions is of significant scientific interest.

The purpose of the study is to establish a connection between the main innovative trends of the transport industry in the world and the training of future specialists in the organization of conveyance and transport management in higher technical education institutions of Ukraine. To achieve this goal, the following scientific tasks have been defined: conducting a general review of existing innovations and trends in the field of transport, taking into account the impact of pandemic and military restrictions; on the basis of the received conclusions, the determination of priorities for the training of specialists in the organization of conveyance and transport management in the Free Trade Area in the conditions of a recovering economy.

Research methodology is based on such theoretical methods as system-structural analysis; systematization; comparison and generalization of the relevant sources for identifying and characterizing the regulatory, legal and organizational-pedagogical foundations of training future specialists in the organization of conveyance and transport management for professional activities.

The results. During the hostilities taking place in Ukraine, the country's transport sector, experiencing significant losses, at the same time continues to function, ensuring the timely delivery of passengers, cargo, both humanitarian and military, through improved supply chains, taking into account the maximum level of safety, speed and quality service. At the same time, for the development of the country's transport sector, one should take into account not only the need to adapt to EU standards, technical conditions, management principles, etc., but also the fact that innovations and high technologies should contribute to increasing the country's defense capability, which, in turn, requires the formation of a new, a more effective model of managing the development of the transport and road complex of Ukraine, taking into account the established in "National transport strategy of Ukraine for the period until 2030" global trends, key among which are:

- implementation of the latest technologies and information support of transportation, in particular, by creating a single information system of technological interaction of various types of transport (rail, water, automobile, aviation), cargo owners, forwarders, and state control bodies at transport and checkpoints;

- development of innovative solutions and implementation of best world practices, in particular joint customs and border control, during customs and other control procedures in the case of transportation;

- integration of information exchange systems between border and customs services and carriers to speed up control procedures;

- simplification of formalities and improvement of cargo handling technologies in logistics terminals, airports and ports of Ukraine;

- stimulating the introduction of innovative technologies (smart infrastructure and smart mobility) and intelligent transport systems;

- the spread of the use of "cloud" technologies for data storage, virtualization, data centers, etc.;

- increasing the capacity of the road network through the introduction of intelligent transport systems;

- implementation of systems for automated control of cargo preservation during transportation by all modes of transport;

- creation of conditions for the development of transport and logistics activities and competitive 3PL - 5PL - providers;

ПЕДАГОГІКА

–implementation of the strategy (implementation of the program) for the development of digital transport corridors and electronic logistics. (Національна транспортна стратегія України на період до 2030 року, 2018).

Thus, the modernization of the transport sector of Ukraine and the expansion of the state international cooperation should be carried out on the basis of the established global priorities implementation and taking into account the peculiarities of the international transport systems functioning. At the same time, digitization and automation should become an indispensable component of the effective transformation processes of the transport industry. At the same time, the achievement of the above priorities is possible only in the presence of highly qualified specialists in the organization of conveyance and transport management, who are able to identify and solve complex problems of the international transport systems development, cultivate and make optimal decisions regarding the improvement of existing transport and logistics processes at the national and international levels in the conditions of globalization, integration, virtualization of the economy and the development of digital "smart" technologies; carry out planning, design and modeling of sustainable transport and logistics systems using modern software and technical tools, information, intellectual and computer technologies. Transport technologies today are the source of increasing the transport system efficiency. At the same time, the tasks solved by specialists in the organization of conveyance and transport management refer to tasks with complex (and in many cases uncertain) conditions and, unlike technical operation, cannot be performed by external companies.

Understanding the importance of transport for the timely provision of military operations and production; growing demand for logistics services and increasing the role of supply chain management in global and regional markets cause increased interest in the formation and development of transport personnel. The set of general and professional competencies of specialists in the organization of conveyance and transport management and the optimal ratio between them. Study of the global pandemic impact on the content and conditions of work, the peculiarities of the transition of office and operational workers to remote work and increased requirements for ensuring labor safety and civil protection. Personnel support for the process of organization of transport processes acquired special importance during the period of martial law in Ukraine, when the conditions for the effective organization of transport and logistics operations become a guarantee of timely satisfaction of the needs of the Ukraine Armed Forces, industrial enterprises, the agricultural sector and the population in transportation.

International experts, noting the high level of digitization of Ukraine, which is a good springboard for the recovery of the national economy and its innovative development, demand the training of specialists in whom information, communication and digital skills are becoming the most important for employees of companies and state institutions, as well as employers in the field of transport. That is why solving these complex tasks requires constant study of the ensuring the transportation process issues, taking into account the competence and professionalism of the personnel of transport enterprises, especially aviation ones. This interaction of air transport is due to the presence of complex relationships with other branches of the economy, thus ensuring state economic growth.

At the same time, with an increase in the level of profit and production, the demand for aviation services expands, and by contributing to the development of tourism, trade and employment, aviation becomes an important tool for the economic development of the country. In addition, air transport also brings indirect benefits, contributing to the expansion of international relations and partnerships.

To date, Ukrainian aviation companies have faced a difficult test that arose with the start of the war in Ukraine on February 24, 2022. The closure of the country's airspace, significant damage to air transport and critical infrastructure facilities as a result of Russian aggression, became the cause, in most cases, temporary suspension of aviation industry enterprises, the need to find alternative directions for its recovery and diversification outside the country, including in the EU countries. As a result, the majority of Ukrainian air carriers have conceptually changed their business model and continue to provide transport services in the interests of the state in close cooperation with other modes of transport and related industries in the territory of partner countries, which indicates the need for professional personnel capable of meeting modern market needs regarding the organization and management of air transport processes in airlines, airports, transport sales agencies, transport and forwarding companies, travel companies and handling companies not only at the national, but also at the international level.

Undoubtedly, aviation belongs to the branches with special conditions for the implementation of production activities, which determine the specifics of the professional training of future specialists. Among the factors that contribute to the emergence of the specified conditions, it is possible to single out:

increased responsibility when solving professional problems; strict requirements for professional knowledge, skills and abilities; speed of decision-making in conditions of time shortage and stressful situations.

Thus, in the information society, new perspectives for the use of digital tools for analytical three-dimensional information processing are opening up for conveyance organization and transport management specialists; organization of information dissemination aimed at exchanging knowledge and experience with the international community, obtaining new ideas about modern methods of transport management, etc. Accordingly, they should possess such professional qualities as mobility and competitiveness, the ability to organize professional activities with the integration of a wide range of competencies and their adaptation in conditions of intensive science development. These basic professional qualities include: a high level of fundamental and professional knowledge, the ability to actively use innovations, and the skills of in-depth self-study. Hence, the need to orient the educational paradigm of higher technical education institutions to the development of the digital society and future professional activities, as well as interdisciplinary connections, is obvious. That is why training programs for conveyance organization and transport management specialists should provide quality education and be systematically and logically complemented by interdisciplinary programs. In this regard, in order to form the above-mentioned characteristics, there is a need to develop an adaptive system of training specialists, in which the leading role will be given to the scientific and methodological justification of the theoretical and methodological foundations of its functioning. This necessitates the training of such specialists in conveyance organization and transport management who will be able to carry out professional activities at a high level in the conditions of transport innovations, using modern information technologies and successful practical experience of developed foreign countries.

Discussion. Many analytical reviews of international consulting firms are devoted to the study of current trends in the labor market and the impact of the global coronavirus pandemic on it. Thus, the general trends of digitalization of business and the digital skills specifics are determined by analysts of the World Economic Forum, researched by foreign and domestic scientists. In particular, in the scientific works of researchers O. Amoshi, Yu. Zaloznova, N. Bryukhovetska, V. Antonyuk, N. Trushkina and other employees of the Industrial Economics Institute of the Ukraine National Sciences Academy, the direction of labor relations transformation in the context of Industry 4.0 is determined; the strengthening of the individual qualities role and employees competencies, their ability to unite in one network for real-time interaction has been proven; self-study and self-improvement, etc. In addition, in the conditions of digitalization of the economy, methods of motivating personnel to acquire digital skills and competencies, and their implementation in digital technologies, are of particular importance. That is why, in the research presented in the work. Y. Bryukhovetskyi "Motivation of the digital skills and competencies development of enterprises employees" (Bryukhovetskyi, 2021), a conclusion was made about the need for the early acquisition of digital skills and competencies by enterprises employees in accordance with the system of corporate values and the corresponding motivational program of actions.

On the other hand, the transport services market and transport personnel competence is not left out of the scientists attention. So, based on the trends of the latest Logistics Trend Radar, the DHL company recently published the results of a global survey of more than 7,000 transport professionals, which reflects the consequences of the COVID-19 pandemic on technology updates in the transport industry (Future of work in logistics). Interesting, in our opinion, is the conclusion of the KPMG consulting firm that modern transport operations are based on technologies and innovations that require employees with appropriate skills and capabilities (Six key trends impacting global supply chains in 2022). So, the authors P. Baker, A. Raj, A. Mukherjee, A. Lopes de Sousa Jabbour, S. Srivastava (Baker, 2019; Raj, Mukherjee & Srivastava, 2022), investigating the impact of the COVID-19 pandemic on global supply chains, identified ten main problems faced by manufacturing enterprises during this period, among which labor shortages and the ability of workers to adapt to new working conditions were identified as the main ones.

At the same time, it should be noted that most of the conducted studies emphasize the need to take into account both external and internal influencing factors in both personnel selection strategies and the training of future specialists in the organization of conveyance and transport management, concluding that the market, thus, it requires a flexible response of higher education institutions in determining key competencies and methods of their formation, where the researcher I. Borets (Borets, 2013), characterizing the definition of "key competencies of future specialists in transport systems of the aviation industry", considers it as an integral personal characteristic that is correlated with the ability of a specialist to carry out complex multi-functional, multi-subject, culturally appropriate forms of activity, effectively solving problem situations and achieving certain results in professional activity; social,

ПЕДАГОГІКА

personal spheres of life, using, at the same time, acquired interdisciplinary knowledge, creative skills, experience and personal qualities. In her opinion, the specified set of key competences performs educational, informational, communicative, activity, general cultural functions.

Among the latest publications of domestic researchers, attention should be drawn to the studies of L. Bolibrukh, Y. Krykavskyy (Bolibrukh & Krykavskyy, 2022) in which the authors drew attention to the change in the paradigm of transport specialists' competences, since the pandemic showed the importance of flexibility and adaptability to ensure logistics activities. Accordingly, increasing technological awareness, developing "soft skills", working on emotional intelligence, team and project enthusiasm in combination with the latest technologies and modern requirements are mandatory prerequisites for a successful career. In addition, researcher T. Garmash's dissertation (Garmash, 2018) identified the main problems of training future logistics specialists and substantiated the model and structure of programmatic support in the process of their professional training for managerial activities, taking into account the integrated nature of their practical activities and adaptation to managerial activities.

Scientist V. Akmal'dinova (Akmaldinova, 2023), researching the problem of forming the readiness of future masters in transport technologies (on air transport) for professional activity in the educational and informational environment of a technical university, substantiated the theoretical and methodical principles of readiness and tested their effectiveness experimentally.

In the study conducted by M. Gryhorak, O. Volovyk, O. Tsapenko (Gryhorak, Volovyk & Tsapenko, 2022), a list of critical transport personnel competencies and their transformations under the influence of the global pandemic was determined, namely: the presence of skills in working with new information technologies, cloud services and electronic documents; possession of tools for remote monitoring of processes and works; active learning to work with various geo-informational and intellectual systems; development of critical thinking in data analysis; risk assessment; development of alternatives and cognitive planning; the need for network communication skills, knowledge of cross-cultural management and foreign languages; the ability to adapt to digital operations and achieve effective improvements in line with sustainable development strategies; compliance of personal values with the corporate culture and team of the enterprise; self-motivation and self-organization.

Conclusions. Thus, it can be argued that the situation with the pandemic, the presence of martial law in the country, and the general trend of transformation affect the working conditions and requirements of specialists in the organization of conveyance and transport management, selecting more experienced and qualified candidates who are able to quickly adapt to the new requirements of the time.

But any crisis is not only a test, but also opportunities that appear in the process of solving complex tasks. The generalization of global trends in the transport system and forecasts of the world's leading consulting companies allowed us to identify fundamental changes in transport processes and the nature of the transport personnel work, which, in turn, contributes to the formation of requirements for the set of specialists' competencies in the organization of conveyance and transport management, capable of solving complex tasks in uncertainty and increased risk conditions, use modern information and communication technologies and systems, analyze strategic and operational information and independently make management decisions.

СПИСОК ЛІТЕРАТУРИ

Борець, І. (2013). Формування ключових компетентностей майбутніх фахівців з транспортних систем авіаційної галузі в процесі професійної підготовки: дис. канд. пед. наук: спец. 13.00.04 — теорія і методика професійної освіти (освіта/педагогіка). Національний авіаційний університет. Київ. 200 с.

Брюховецький, Я. (2021). Мотивація розвитку цифрових навичок та компетенцій працівників підприємств. *Економічний вісник Донбасу*, 2(64), 216-222. doi: [https://doi.org/10.12958/1817-3772-2021-2\(64\)-216-222](https://doi.org/10.12958/1817-3772-2021-2(64)-216-222)

Гармаш, Т. (2018). Професійна підготовка майбутніх фахівців із логістики до управлінської діяльності: дис. канд. пед. наук: спец. 13.00.04 — теорія і методика професійної освіти (освіта/педагогіка). Національний авіаційний університет. Київ. 328 с.

Григорак, М., Воловик, О., & Цапенко, О. (2022). Трансформація професійних компетентностей логістів під впливом пандемічних і військових обмежень та їх розвиток в умовах відновлювальної економіки. *Вісник економічної науки України*, 1 (42), 153-160. doi: [https://doi.org/10.37405/1729-7206.2022.1\(42\).153-160](https://doi.org/10.37405/1729-7206.2022.1(42).153-160)

Логістика 2022: компанії продовжать збільшувати запаси та асортимент. URL: <https://logist.fm/news/logistika-2022-kompaniyi-prodovzhat-zbilshuvati-zapasi-ta-asortiment>

Про схвалення Національної транспортної стратегії України на період до 2030 року: Розпорядж. Каб. Міністрів України від 30.05.2018 р. № 430-р : станом на 3 трав. 2023 р. URL: <https://zakon.rada.gov.ua/laws/show/430-2018-p#Text>

Antczak, J., & Horzela, I. (2021). Home office as new approach to smart city idea in pandemic time. *Procedia Computer Science*, 192, 3832–3847. doi: <https://doi.org/10.1016/j.procs.2021.09.158>

Baker, P. (2019). The Impact of Coronavirus (COVID-19): Reflections on the Transport and Logistics Sector. URL: <https://tradeeconomics.com/the-impact-of-coronavirus-covid-19-reflections-on-the-transport-and-logistics-sector/>

Bland, A. (2022). 10 Critical Trends in Supply Chain Management & Logistics for 2023. URL: <https://www.unleashedsoftware.com/blog/10-trends-in-supply-chain-management-logistics-for-2022>

Bolibrukh, L., & Krykavskyy, Y. (2022). The paradigm shifts of logistics professionals key competencies due to the pandemic. *Problems of training professional staff in logistics in a global competitive environment: Proceedings of the XIX International Scientific and Practical Conference*. National Aviation University. Kyiv, 4-8. URL: <https://er.nau.edu.ua/handle/NAU/54798>

Future of work in logistics. URL: <https://www.dhl.com/ua-en/home/insights-and-innovation/thought-leadership/trend-reports/future-of-work.html>

Six key trends impacting global supply chains in 2022. URL: <https://kpmg.com/xx/en/home/insights/2021/12/six-key-trends-impacting-global-supply-chains-in-2022.html#:~:text=Driver%20shortages%2C%20logistics%20provider%20capacity,dominated%20discussions%20and%20required%20attention.>

Raj, A., Mukherjee, A., & Srivastava, S. (2022). Supply chain management during and post-COVID-19 pandemic: Mitigation strategies and practical lessons learned. *Journal of Business Research*, 142, 1125-1139. doi: <https://doi.org/10.1016/j.jbusres.2022.01.037>.

Vaidya, S., Ambad, P., & Bhosle, S. (2018). Industry 4.0 – A Glimpse. *Procedia Manufacturing*, 20, 233–238. doi: <https://doi.org/10.1016/j.promfg.2018.02.034>.

REFERENCES

Borets, I. (2013). Formuvannia ključovykh kompetentnosti maibutnykh fakhivtsiv z transportnykh system aviatsiinoi haluzi v protsesi profesiinoi pidhotovky [Formation of key competencies of future specialists in transport systems of the aviation industry in the process of professional training]. *Candidate's thesis*. Kyiv, National Aviation University. 200 p. [in Ukrainian].

Briukhovetskyi, Ya. (2021). Motyvatsiia rozvytku tsyfrovyykh navychok ta kompetentsii pratsivnykiv pidpriemstv. *Ekonomichnyi visnyk Donbasu*. [Motivating the development of digital skills and competencies of enterprise employees. *Economic Herald of the Donbas*], 2(64), 216-222. doi: [https://doi.org/10.12958/1817-3772-2021-2\(64\)-216-222](https://doi.org/10.12958/1817-3772-2021-2(64)-216-222)

Harmash, T. (2018). Profesiina pidhotovka maibutnykh fakhivtsiv iz lohistyky do upravlinskoi diialnosti [Professional training of future specialists in logistics for managerial activities]. *Candidate's thesis*. Kyiv. National Aviation University. 328 p. [in Ukrainian].

Hryhorak, M., Volovyk, O., & Tsapenko O. (2022). Transformatsiia profesiinykh kompetentnosti lohistiv pid vplyvom pandemichnykh i viiskovykh obmezhen ta yikh rozvytok v umovakh vidnovliuvanoi ekonomiky. *Visnyk ekonomichnoi nauky Ukrainy* [Transformation of Logisticians Professional Competences under the Influence of Pandemic and Military Restrictions and their Development in the Conditions of a Recovery Economy. *herald of the economic sciences of Ukraine*], 1 (42), 153-160. doi: [https://doi.org/10.37405/1729-7206.2022.1\(42\).153-160](https://doi.org/10.37405/1729-7206.2022.1(42).153-160).

Lohistyka 2022: kompanii prodovzhat zbilshuvaty zapasy ta assortment [Logistics 2022: Companies will continue to increase inventory and assortment]. URL: <https://logist.fm/news/logistika-2022-kompaniyi-prodovzhat-zbilshuvati-zapasi-ta-asortiment> [in Ukrainian].

Pro skhvalennia Natsionalnoi transportnoi stratehii Ukrainy na period do 2030 roku: Rozporiadzh. Kab. Ministriv Ukrainy vid 30.05.2018 r. № 430-r : stanom na 3 trav. 2023 r. [On the approval of the National Transport Strategy of Ukraine for the period until 2030: Order of the Cabinet of Ministers of Ukraine of 30.05.2018 no. 430-p: as of 3 May 2023]. URL: <https://zakon.rada.gov.ua/laws/show/430-2018-r#Text>

Antczak, J., & Horzela, I. (2021). Home office as new approach to smart city idea in pandemic time. *Procedia Computer Science*, 192, 3832–3847. doi: <https://doi.org/10.1016/j.procs.2021.09.158>

Baker, P. (2019). The Impact of Coronavirus (COVID-19): Reflections on the Transport and Logistics Sector. URL: <https://tradeeconomics.com/the-impact-of-coronavirus-covid-19-reflections-on-the-transport-and-logistics-sector/>

Bland, A. (2022). 10 Critical Trends in Supply Chain Management & Logistics for 2023. URL: <https://www.unleashedsoftware.com/blog/10-trends-in-supply-chain-management-logistics-for-2022>

Bolibrukh, L., & Krykavskyy, Y. (2022). The paradigm shifts of logistics professionals key competencies due to the pandemic. *Problems of training professional staff in logistics in a global competitive environment*: Proceedings of the XIX International Scientific and Practical Conference. (pp. 4-8). Kyiv. National Aviation University. URL: <https://er.nau.edu.ua/handle/NAU/54798/>

Future of work in logistics. URL: <https://www.dhl.com/ua-en/home/insights-and-innovation/thought-leadership/trend-reports/future-of-work.html>

Six key trends impacting global supply chains in 2022. URL: <https://kpmg.com/xx/en/home/insights/2021/12/six-key-trends-impacting-global-supply-chains-in-2022.html#:~:text=Driver%20shortages%2C%20logistics%20provider%20capacity,dominated%20discussions%20and%20required%20attention>

Raj, A., Mukherjee, A. & Srivastava, S. (2022). Supply chain management during and post-COVID-19 pandemic: Mitigation strategies and practical lessons learned. *Journal of Business Research*, 142, 1125-1139. doi: <https://doi.org/10.1016/j.jbusres.2022.01.037>

Vaidya, S., Ambad, P., & Bhosle, S. (2018). Industry 4.0 — A Glimpse. *Procedia Manufacturing*, 20, 233–238. doi: <https://doi.org/10.1016/j.promfg.2018.02.034>

Борець О.Г.

ВПЛИВ СУЧАСНИХ ІННОВАЦІЙ, ПАНДЕМІЧНИХ ТА ВІЙСЬКОВИХ ОБМЕЖЕНЬ НА РОЗВИТОК ПРОФЕСІЙНИХ КОМПЕТЕНТНОСТЕЙ ФАХІВЦІВ З ОРГАНІЗАЦІЇ ПЕРЕВЕЗЕНЬ ТА УПРАВЛІННЯ НА ТРАНСПОРТІ

Резюме

Стаття присвячена аналізу впливу сучасних інновацій та тенденцій транспортної галузі, а також пандемічних та військових обмежень на розвиток професійних компетентностей фахівців з організації перевезень та управління на транспорті.

Мета наукового дослідження полягає в теоретичному обґрунтуванні паралелі між інноваційними тенденціями розвитку транспортних технологій та станом професійної підготовки фахівців з організації перевезень та управління на транспорті у закладах вищої технічної освіти України.

Проведення дослідження. Дослідження засноване на теоретичних та методологічних засадах: структурному і системному аналізі; систематизації, порівнянні та узагальненні джерел інформації, досвіду і досягнень в цій області, а також педагогічному проектуванні для моделювання можливостей застосування отриманих результатів у вітчизняній освітній практиці.

Результати. У процесі проведеного дослідження було розглянуто основні наслідки впровадження новітніх технологічних досягнень для суспільства в цілому; підкреслено необхідні зміни в транспортній галузі, обумовлені наявністю в країні військового стану; знаннях і навичках фахівців в області транспортних технологій, які мають бути мобільними і конкурентоспроможними, здатними до організації професійної діяльності з інтеграцією широкого спектру компетенцій та їх адаптації в умовах інтенсивного розвитку науки, володіти основними професійними якостями, до яких ми відносимо: високий рівень фундаментальних і професійних знань, здатність до активного використання інновацій, навички поглибленого самонавчання.

Висновки. У статті визначено основні тенденції розвитку ринку транспортних послуг у пандемічний період та встановлено фактори впливу, що обумовлені військовим станом в країні, на трансформацію професійних компетенцій фахівців з організації перевезень та управління на транспорті для підвищення вимог до професійної підготовки працівників галузі.

Ключові слова: військовий стан; інновації; пандемія; професійні компетентності; розвиток тенденцій; транспортні технології.