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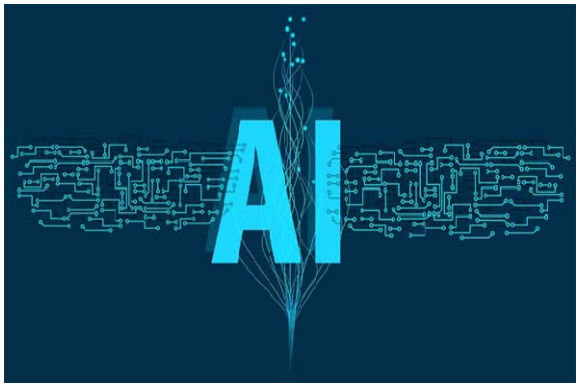

GENERATION OF ARTIFICIAL INTELLIGENCE (AI) DURING THE ACQUISITION OF A WORKING PROFESSION

Abstract. Generating the format of the article to determine the feasibility of the procedure for covering artificial intelligence (AI) as it becomes popular as a terminology on the problem of levelling vocational education. Stabilization of the procedure involving artificial intelligence (AI), i.e. creative implementation of the vocational education industry in the form of the level of acquisition of a working profession in the field of vocational education. Accordingly, the optimization and professionalism of the advantages of artificial intelligence (AI) in relation to the aspect of the level of professional development and strengthening of the vocational industry in the format of the educational sector in relation to the direction of finding effective mechanisms for developing the content of the application of the quality of professional training in order to improve the level of competence of students. The line of the ability to fulfill the tasks of the educational process during the nominal activities of the level of vocational education with the use of artificial intelligence (AI), respectively, considers the possibility of nominal implementation of methodological proposals, that is, in the course of attracting the creativity of the educational perspective in the field of vocational education. Accordingly, industry activities in the format of improving the level of the educational process with a cascade flow in solving problems, that is, solutions in the context of attracting modern technologies. Optimization and creative advantages during the influence and generation of the industry during the acquisition of professional education, which is

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significantly synchronized with the concept of prospects and the effectiveness of the involvement of artificial intelligence (AI). The correct procedure for applying in the nominal range of educational fields and creative methodological proposals, that is, improving the level of inferential reduction of preventive measures with the involvement of the format of professional training towards artificial intelligence (AI). The connecting link along with artificial intelligence (AI) nominally applied in the field of autonomy is optimization and creative advantages during the influence and generation of the vocational education industry and, accordingly, statistics of social reality and expanding access to artificial intelligence (AI), that is, the combination with the level of intelligence of students and the duality of the introduction of automated processes of artificial intelligence (AI).

Keywords: artificial intelligence (AI); educational process; innovative technologies; industry generation; vocational education; working profession; teaching staff; students; creative methodological proposals.

INTRODUCTION / ВСТУП

Statement of the problem / Постановка проблеми. Preventive procedure with the use of artificial intelligence (AI) in the format of creative implementation of the industry in the form of the level of acquisition of a working profession in the field of vocational education, i.e. optimization of the benefits during the impact on the educational process and timeliness of vocational training in order to implement an algorithm involving a cascade of nominal measures in the format of strengthening the level of vocational education.

Analysis of (major) recent research and publications / Аналіз (основних) останніх досліджень і публікацій. It is well known that the concept of artificial intelligence (AI) is a set of technological tools and algorithms that provide us with forecasts, recommendations, and decisions about changes in the digital and real world based on various data. In general, it should perform tasks that were previously thought to be performed only by humans [1], that in a broad sense, AI consists of two main subsets: machine learning (ML) and deep learning (DL). The essence of both is to learn to distinguish between different things. As humans, it is easy for us to do this even without a clear understanding of what biological processes are going on in our brains at the moment. Machines do this precisely thanks to ML.

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Accordingly, during the generation of the procedure with the use of artificial intelligence (AI), i.e., the creative implementation of the industry in the form of the level of acquisition of a working profession in the field of vocational education, the scope of use of artificial intelligence (AI), i.e., the possibilities and applications in the format:

- adaptive learning and individualized educational paths;
- automation of administrative tasks for teachers and lecturers;
- early identification and support of students with special educational needs [2].

Accordingly, the modern principle of adaptability of learning is aimed at creating individual educational trajectories, psychological correction of the patterned actions of the student, activation of creative processes and improvement of ways to implement the learning process in general [3].

In particular, researcher D. Borysenko in his work "Artificial Intelligence in Vocational Education: Pandora's Box or New Opportunities" [4, p. 93–96] emphasizes that modern vocational education faces new challenges in the use of modern digital technologies, especially the use of artificial intelligence. He notes that this is an active research topic of the scientific community with great advantages and no less existing risks, and artificial intelligence is associated with the creation of unique learning environments with a high level of personalization. The author states that a special role in the creation of adapted digital platforms is played by the combination of virtual reality and artificial intelligence for the in-depth deployment of modern models of professional training [4].

AIM AND TASKS / МЕТА ТА ЗАВДАННЯ

Understanding the relevance of this work made it possible to formulate the ***purpose*** of the research – accordingly, to promote the strengthening of the correct procedure with the use of artificial intelligence (AI), that is, to generate a procedure for the creative implementation of the professional industry in the form of the level of acquisition of a working profession in the field of vocational education by increasing the possibilities of implementing methodological proposals for the pursuit of performance in order to expand access to artificial intelligence (AI) in the format of combining the level of intelligence of students and the duality of the application of intellectual and professional realism.

In accordance with the specified goal, the following ***tasks*** are set in the article: in the course of the movement of socialization of the nominal development of artificial intelligence (AI) autonomy, optimization and creative

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advantages in the format of influence and generation of the vocational education industry to provide for the strengthening of the effectiveness of additional consideration of industries and areas involving the essence of the educational process in the formation of artificial intelligence (AI), that is, in strengthening and improving the level of the educational process and the acquisition of professional skills, knowledge and skills of students.

THEORETICAL FRAMEWORK / ТЕОРЕТИЧНІ ОСНОВИ

The canvas of the world experience in the implementation of artificial intelligence (AI) in relation to the generation of a procedure using artificial intelligence (AI), that is, the creative implementation of the industry in the form of the level of acquisition of a working profession in the field of vocational education, to indicate cases in the modern format of attracting artificial intelligence (AI) in the field of vocational education.

Accordingly, the problem is solved by using the latest types of digital technology and modern equipment, i.e. in the context of the nominal fulfillment of these tasks, based on the use of artificial intelligence (AI) in obtaining the identification of vocational education objects.

Stabilization of the key principles of nominal use of capacities in the form of artificial intelligence (AI) potential in the vocational education network is determined by the expressiveness in the format of creativity of methodological proposals and stages of vocational education development, that is, by:

- development of the concept and technology of the nominal acquisition of contextual adaptation in the conditions of the performance of a professional task during the acquisition of practical training of future specialists in vocational education;
- development of the concept and technology of nominal implementation of contextual adaptation in the context of the task of acquiring theoretical training;
- development of a cadence to strengthen automation in the calculation of manipulation in the suitability of artificial intelligence (AI) systems;
- development of a comprehensive and comprehensive analysis of the situation in certain areas during the training of vocational education workers during the implementation of long-term and/or urgent tasks of online curricula;
- development, strengthening and improvement of the nominal capacity with the involvement of information supply facilities;

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- development of automation of the educational process in terms of the ability to perform the task and the validity of autonomy within the planned prospects in terms of the involvement of artificial intelligence (AI);
- development of the strength and experience of vocational education specialists in order to use nominal own methodological proposals;
- development of the industry to increase the sector and region of dissemination of professional information, i.e., attracting creative experience of innovative technologies with the use of artificial intelligence (AI);
- development and efficiency of analytics of the educational process during practical classes and forecasting by the Ministry of Education and Science of Ukraine;
- development of control measures in relation to the area during the performance of a professional task, the acquisition of creativity, visual aids of modernity and innovative technologies, and the identification of potentially competitive industries in the form of working professions, i.e. the level of organization of the educational process;
- development of analytical systems in order to eliminate negative consequences during the performance of a professional task.

Correct procedure with the use of artificial intelligence (AI), i.e. creative generation of industry in the form of acquiring the field of vocational education during the condition of methodological proposals in the formation of the level of vocational education, design and development of professional potential for the use of artificial intelligence (AI) in the field of vocational education, respectively, the growth of the influence of artificial intelligence (AI) in the format of innovative technologies of vocational education is expected, i.e:

- improvement of the professional field in order to ensure the educational process in relation to the objects of theoretical and practical training;
- improving the development of practical areas in the context of adjusting the goals and opportunities to provide students with innovative technologies, i.e., the growth of the artificial intelligence (AI) link;
- improvement of modality in the form of cyber technologies, complex potential of creativity of methodological developments involving innovative materials and hybridity format of information technology influence;
- improvement of virtual synchronization, i.e., statistical realities of artificial intelligence (AI);
- improvement of quantum methods and leitmotifs of artificial intelligence (AI) computation;

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- improvement of AI case generation in the direction of the nominal mechanism of materials research.

The constructiveness of the ways and processes of movement during the achievement of the correction system in the application of artificial intelligence (AI) in the field of vocational education, that is, the nominal interaction of specialists from the composition of teachers and students.

Accordingly, the discreteness of the introduction of artificial intelligence (AI) in relation to theory and practice within the activities of specialists in vocational education and information technology. The flexibility of artificial intelligence (AI) in the form of applying trends in innovative technologies, which is nominally ensured by the influence of the educational process, that is, the need to improve the quality of theoretical and practical training of vocational education specialists and professional teachers.

A system of correction of modern tools using artificial intelligence (AI) during the introduction of innovative systems and up-to-date information about vocational schools, which is due to the improvement of the educational process in order to create nominal leitmotifs for the expected results.

Flexibility and generation of artificial intelligence (AI) application in the field of vocational education in the EU countries regarding the introduction of fully autonomous artificial intelligence (AI) systems and raising the rating of vocational training when completing the educational process with information and creative technologies, visual aids and equipment in the format of the educational process involving innovative technologies.

Accordingly, the hybridity of the direction of application of artificial intelligence (AI) in the field of vocational education during the development of information systems with artificial intelligence (AI), taking into account the modernity in the direction of centralized planning and coordination in the organization of theoretical and practical training, which involves the involvement of an unforeseen scale, that is, the modality of vocational and technical mastering of artificial intelligence (AI) in the field of vocational education.

The discreteness of the strategy with the use of artificial intelligence (AI) in the field of vocational education is focused on taking into account the nominal factors of influence, the supply of reliable and uninterrupted information in the form of theoretical and practical training of the vocational chain, adaptation to changes, forecasting of nominal and increased volumes, that is, maintaining constant modification of information tools to ensure the use of artificial intelligence (AI).

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The modernity of the use of artificial intelligence (AI) in the nominal global network of almost all industries confirms the mandatory use of artificial intelligence (AI), which is stabilized in the form of the integral participation of vocational education in the format of a virtual network satellite, i.e. the use of the status of assistants and advisers in everyday life in relation to life activities in everyday life, sociality, production, education and recreation.

Accordingly, the application of artificial intelligence (AI) in the field of education and science, taking into account the basic platform in the form of vocational education, has a significant impact, i.e., the result of creativity and innovation of capacities to ensure the nominal level of quality of the educational process.

RESEARCH METHODS / МЕТОДИ ДОСЛІДЖЕННЯ

The article highlights the generation of a procedure using artificial intelligence (AI), i.e. the creative implementation of the industry in the form of the level of acquisition of a working profession in the field of vocational education.

Accordingly, with the involvement of ways to collect and process nominal information for the purpose of applying artificial intelligence (AI) in the field of vocational education, which comes from nominal and unforeseen sources.

Accordingly, it is proposed to create integrated sources of information with the involvement of global curricula, i.e., the introduction of the statutory level of specialists in the format of automaticity, i.e., it is proposed to use the nominal format of creative variants of events in the educational process when making decisions on achieving goals during the performance of a professional task.

Accordingly, the use of artificial intelligence (AI) in the field of vocational education is proposed to involve a comprehensive level of creativity in the form of professional training of students, that is:

- development of adapted artificial intelligence (AI) systems in the system of vocational education;
- development of legal support for the functionality of artificial intelligence (AI) in the field of vocational education;
- development and implementation of programs for the training and availability of specialists in the format of influencing the potential for chain management, i.e. the supply of information technologies involving artificial intelligence (AI) in the vocational education system.

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Accordingly, the capacity and number of activities related to scientific interest in the use of artificial intelligence (AI) in the field of vocational education and the analysis of theoretical and practical aspects in the acquisition of skills, knowledge and abilities of the nominal potential of students is strengthened and increased, which is synchronized in the context of assessing the shortcomings and effectiveness of achieving the results of vocational education.

The use of artificial intelligence (AI) in the field of vocational education is determined by the level of innovative technologies, i.e:

- provision of innovative technologies to the vocational education system in the form of a link in the formation of information and calculation tasks with the use of online mode;
- provision of components in the form of creative technologies in order to organize the nominal mode of vocational education and select optimal channels for the supply of information with the use of information technologies and design in the form of means of compression and closing sections of the educational process during the receipt of messages;
- ensuring an increased demand for artificial intelligence (AI), i.e., the intelligence of the chains of the vocational education system with the ability to independently identify the goal and adjust the educational process;
- provision of equipment, apparatus and devices for determining the quality of the intellectual level of artificial intelligence (AI) in the field of vocational education with the use of measures for curricula during theoretical and practical training of working professions with the involvement of students in order to strengthen and improve the state of logistics;
- ensuring the industrial Internet of things, respectively, ensuring the automation of production and continuous supply of information between the links of the chain in the field of artificial intelligence (AI) information systems;
- ensuring control over the educational process in the context of the use of technical means and the implementation of safety, fire and labor protection measures to prevent unusual situations;
- providing Big Data analytics, which means accumulating nominal amounts of information and processing the database in order to make a nominal decision in the course of using information technologies;
- providing significant volumes of information systems in the form of information platforms regarding the ability to use vocational education professionals and attract clients, i.e., support and efficiency of feedback.

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Mastery, modality and generation of strategy in the field of vocational education are oriented to the nominal factors of influence, i.e. supply of reliable and uninterrupted information from both sides of the vocational education chains on adaptation to changes, forecasting of information volumes and nominal modification of processes in the direction of the educational process.

The use of artificial intelligence (AI) in the field of vocational education in the form of acquiring directions, ie:

- illustrates additional assistance to students, taking into account the availability of specialists from the teaching staff;
- illustrates the creation of personalized curricula;
- illustrates the analytical component in relation to the capacities and vice versa in relation to the competence of students;
- illustrates the search for options and recommendation for implementation in the form of proposals for methodological developments in relation to academic disciplines;
- illustrates the existence of specific needs for individual support and assistance in the adaptation of students in the educational space;
- illustrates the acquisition of capabilities of teaching staff, i.e. the process of applying artificial intelligence (AI) in the formation of a complex of educational and methodological support for the educational process;
- illustrates the scale of the process of developing curricula for academic disciplines;
- illustrates the creativity of the assessment period in relation to control questions and/or tests during the assessment of students;
- illustrates the realism of the transparency of the certification period in terms of reducing the subjectivity of the assessment of students;
- illustrates the strengthening of capabilities in the application of artificial intelligence (AI) in the professional field during the processing and analysis of nominal amounts of data, that is, solving the problems of certain practical tasks;
- illustrates the use of creativity in solving professional problems involving technical means, mechanisms and equipment;
- illustrating innovation in relation to the format of the elective in solving complex problems, i.e. modeling processes in the form of simulation;
- illustration of improved communication with the involvement of researchers and the community in the format of virtual translation of the professional experience of the world community, which exists in the form of other language formats;

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- illustration of the increase in the production of automated systems to solve complex problems using professional content;
- illustration of the creation and design of printed volumes, generation of visual teaching materials, videos and video production;
- illustration of the acceleration of the educational process in the form of practical training in the field of vocational education, i.e., increasing the concentration of attention of specialists from the teaching staff in relation to the level of importance when performing complex and creative professional tasks;
- illustration of the issues of the discussion, i.e. the level of possibility of artificial intelligence (AI) crossing over versus shutting down the human factor during the activity of intelligence;
- an illustration of the variable confrontation in order to preserve the existing employment of a human person during the active introduction of artificial intelligence (AI), taking into account social responsibility;
- illustration of the modernization of technical support for the educational process with the involvement of increasing the capacity of computer systems;
- illustration of the solution to the software licensing term using the artificial intelligence (AI) database in order to reduce the approval time and cost, i.e., the disappearance of the bureaucratic barrier during the implementation in the educational process;
- illustration of the effectiveness of the integration of innovative technologies in providing training in the format of professional development of teachers, i.e. the formation of creative competence;
- illustration of the process of modernization of the technical infrastructure of vocational education in the format of purchasing powerful computers and installing high-speed Internet in terms of cost, competence and speed;
- illustration of the creation of cloud infrastructure with the involvement of budgetary and extra-budgetary funding, grants and cooperation with IT companies, i.e. reducing the problematic nature of technical support;
- illustration of the development of partnerships by providers with the aim of concluding cooperation agreements with leading IT companies and research centers, i.e., gaining access to technical support with the involvement of preferential conditions for educational purposes;
- Illustration of the organization of systematic training and professional development of teachers, i.e. a line of trainings, seminars, internships with the

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participation of IT industry professionals using artificial intelligence (AI) technologies;

- illustration of education in the format of open lectures, seminars, workshops with the participation of community representatives to popularize innovative technologies and overcome resistance in the form of creative changes.

Accordingly, during the mastery of the nominal application of artificial intelligence (AI), i.e., stabilization of the introduction of artificial intelligence (AI) technologies with the involvement of specialists from among the teachers of vocational education is proposed.

RESEARCH RESULTS / РЕЗУЛЬТАТИ ДОСЛІДЖЕННЯ

Accordingly, in the course of mastering the process of acquiring a working profession in the vocational education networks of Ukraine and generating a procedure using artificial intelligence (AI), that is, the creative implementation of the industry in the form of the level of acquiring a working profession in the field of vocational education in relation to professional experience and the level of technological sophistication and creativity of developed countries.

Accordingly, the use of artificial intelligence (AI) in the vocational education network is loaded with the involvement of technological areas, i.e., the nominal acquisition of a professional level with the aim of loading nominal consequences for improving and strengthening the level of vocational education in Ukraine.

Taking into account the creative experience in the context of the countries of the world, respectively, artificial intelligence (AI) during the stabilization is achieved at the level of key priorities in the development of vocational education in Ukraine.

Accordingly, the existence of a texture within the nominal directions and means of applying artificial intelligence (AI) in the field of vocational education with the prospect of correlation, that is, in the nominal future, artificial intelligence (AI) in the stabilization context is promising in the form of innovative technologies.

Stabilization of the educational process in terms of outperformance of the situation during theoretical and practical training of students with the use of artificial intelligence (AI) in the field of vocational education, which distorts the reduction in the duration of providing innovative technologies in the format of vocational education, that is, the efficiency and speed of achieving nominal goals with the involvement of creativity and innovation.

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Accordingly, the integration of artificial intelligence (AI) in the field of vocational education in the format of a nominal trend due to the rapid development of digital tools and the growing demands for advanced training of teachers in the field of artificial intelligence (AI).

Accordingly, the use of generative tools, pattern recognition, virtual and augmented reality, i.e. mastering professional positions and prospects of opportunities in order to improve the efficiency of the educational process, develop creativity and innovative thinking of future professionals in working professions.

Accordingly existent nominal advantages during introduction of artificial intelligence (AI) in vocational education it costs to mark process of automation of powerful tasks, personalisation of practical implementation of tasks, stimulation of creative approach, upgrading of introduction of creative projects and taking into account of tendencies of professional industry.

Accordingly there are certain calls and risks, that it is constrained, id est:

- with modernisation of material and technical base;
- with modernisation partnership with IT companies;
- with modernisation during in-plant training of specialists on composition – regarding updating educational and methodological support;
- with modernisation development of productive norms;
- with modernisation during bringing in of bread-winners of education in relation to a practically-experience activity;
- with modernisation of terms of approach of the systems and balanced, from taking into account of potential risks during bringing in of creative suggestions;
- with modernisation of collaboration in relation to the calls of contemporaneity with bringing in of artificial intelligence (AI) in an educational process during the professional training of highly skilled personnels with the aim of introduction of effective instruments during forming of competitive specialists capable decision of range of problems of innovative decisions in the format of labour-market, id est support of level of digital transformations in relation to introduction of creative industries in relation to the calls of the modern digital world.

CONCLUSIONS / ВИСНОВКИ

Generuting of procedure with application of artificial intelligence (AI), id est creative of introduction of industry as a level of acquisition of working profession in industry of vocational preparation in relation to correlation of

conception of management of industry of trade education that needs innovative instruments in relation to introduction of co-operating with bringing in of the mode online of time, id est with stabilizing of flexibility with the aim of receipt of nominal by the amount of errors and ability in relation to adaptation and flexible reaction during the job processing during organization educational.

A capture artificial intelligence (AI) in industry of vocational education testifies that scientific, technical and practical specialists of trade education accordingly in a presence potential with bringing in of modern world advance-guard from the side of Ukraine in the format of nominal power. Stabilizing in relation to influence of artificial intelligence (AI) during implementation of tasks of vocational education in conception of the use of potential in relation to organization of educational process in industry of trade education.

Prospects for further research in this direction / Перспективи подальших досліджень у цьому напрямі. Correlation of flexibility of application of artificial intelligence (AI) in industry of trade education and organization of educational process with the aim of setting within the limits of nominal presentation in relation to a planned supply and grant of informative services, support of educational process between a teacher and object of studies, id est by the bread-winner of formation of the vocational system.

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ГЕНЕРУВАННЯ ШТУЧНОГО ІНТЕЛЕКТУ (AI) ПІД ЧАС НАБУТТЯ РОБІТНИЧОЇ ПРОФЕСІЇ

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Анотація. Генерування формату статті щодо обумовлення доцільності процедури висвітлення штучного інтелекту (AI) під час набуття популярності у вигляді термінології із проблематики нівелювання професійної освіти. Стабілізація процедури із залученням штучного інтелекту (AI), тобто креатив впровадження професійно-освітньої індустрії у вигляді рівня набуття робітничої професії у галузі професійно-технічної освіти. Відповідно оптимізація та професійність переваги штучного інтелекту (AI) відносно аспекту рівня удосконалення професійності й зміцнення професійно-технічної індустрії у форматі освітньої галузі стосовно напрямку пошуку ефективних механізмів розвитку контенту застосування якості професійної підготовки із метою удосконалення рівня компетенції здобувачів освіти. Лінійка спроможності виконання завдань навчального процесу під час номінальної діяльності рівня професійної освіти із застосуванням штучного інтелекту (AI) відповідно розглядається можливість номінального впровадження методичних пропозицій, тобто протягом залучення креативу освітньої перспективи у галузі професійної освіти. Відповідно галузева діяльність у форматі поліпшення рівня освітнього процесу із потоком каскаду під час вирішення проблематики, тобто рішення у контекст залучення сучасних технологій. Оптимізація та креатив переваги протягом впливу й генерації індустрії під час набуття професійної освіти, що істотно синхронізується відносно концепції перспективності та ефективність залучення штучного інтелекту (AI). Коректна процедура застосування у номінальному діапазоні освітніх галузей та креатив

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методичних пропозицій, тобто удосконалення рівня інфернального зменшення превентивності із залученням формату професійної підготовки у бік штучного інтелекту (AI). Сполучна ланка поряд із штучним інтелектом (AI) номінально застосовується у галузі автономності оптимізація та креатив переваги протягом впливу й генерації індустрії професійної освіти й відповідно статистика соціальної реальності та розширення доступу у штучний інтелект (AI), тобто поєднання із рівнем інтелекту здобувачів освіти та дуальність впровадженням автоматизованих процесів штучного інтелекту (AI).

Ключові слова: штучний інтелект (AI); освітній процес; інноваційні технології; генерація індустрії; галузь професійної освіти; робітнича професія; фахівці із складу викладачів; здобувачі освіти; креатив методичних пропозицій.

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