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THE USE OF ELECTRONIC EDUCATIONAL RESOURCES ON PROFESSIONAL AND PEDAGOGICAL DEVELOPMENT OF STUDENTS

Annotation

This article explores the crucial role of education in preparing students for dual responsibilities: professional and pedagogical roles. The professional domain demands a skill set essential for success across diverse life facets, encompassing both professional and business arenas. In contrast, pedagogical roles focus on fostering competencies vital for effective teaching, mentoring, and guidance within educational settings.

Key words: Digital education, professional development, pedagogical roles, online learning, electronic educational resources, covid-19 pandemic, educational transformation, e-books, simulations, online courses.

ИСПОЛЬЗОВАНИЕ ЭЛЕКТРОННЫХ ОБРАЗОВАТЕЛЬНЫХ РЕСУРСОВ ПО ПРОФЕССИОНАЛЬНО-ПЕДАГОГИЧЕСКОМУ РАЗВИТИЮ СТУДЕНТОВ

Аннотация

В этой статье исследуется решающая роль образования в подготовке студентов к двойной ответственности: профессиональной и педагогической роли. Профессиональная сфера требует набора навыков, необходимых для достижения успеха в различных сферах жизни, охватывающих как профессиональную, так и деловую сферу. Напротив, педагогические роли сосредоточены на развитии компетенций, жизненно важных для эффективного преподавания, наставничества и руководства в образовательных учреждениях.

Ключевые слова: Цифровое образование, профессиональное развитие, педагогические роли, онлайн-обучение, электронные образовательные ресурсы, пандемия Covid-19, трансформация образования, электронные книги, симуляции, онлайн-курсы.

TALABALARNIN KASBIY VA PEDAGOGIK JIHATDAN RIVOJLANTIRISHDA ELEKTRON TA'LIM RESURLARIDAN FOYDALANISH

Annotatsiya

Ushbu maqola talabalarni ikki tomonlama: kasbiy va pedagogik jihatdan rivojlantirishda ta'limning hal qiluvchi roli haqida so'z boradi. Kasbiy soha hayotning turli jabhalarida muvaffaqiyatga erishish uchun zarur bo'lgan kompetensiyalarni rivojlantirishni qamrab oladi. Pedagogik soha esa ta'lim muassasalarida samarali o'qitish, maslahat berish va yo'l-yo'riq ko'rsatish uchun muhim bo'lgan kompetensiyalarni rivojlantirishga qaratilgan.

Kalit so'zlar: Raqamli ta'lim, kasbiy rivojlanish, pedagogik rollar, onlayn ta'lim, elektron ta'lim resurslari, covid-19 pandemiyasi, ta'lim transformatsiyasi, elektron kitoblar, simulyatsiyalar, onlayn kurslar.

Introduction. Educational endeavors encompass a pivotal dimension, namely the preparation of students for dual roles: professional and pedagogical. Professional roles necessitate the acquisition of a skill set indispensable for success across multifaceted life domains, encompassing both the professional sphere and the business milieu. In contrast, pedagogical roles involve the cultivation of proficiencies essential for effective teaching, mentoring, and guidance within the educational setting. The cultivation of both these roles assumes significance in shaping students into successful adults.

Professional roles are inherently concerned with imparting students with the skills imperative for thriving in the professional realm. These skills encompass a spectrum, including adeptness in writing, public speaking, problem-solving, and critical thinking. Proficiency in effective communication, technological utilization in the workplace, teamwork, time management, and project oversight constitutes an integral facet of these skills. Mastery of these competencies is deemed essential for students to thrive in the dynamic landscape of the professional world.

Conversely, pedagogical roles encompass the instructive processes integral to transforming students into

effective educators. This paradigm involves an understanding of diverse learning styles among students, the creation of a conducive learning milieu, and the imparting of knowledge regarding various educational theories such as constructivism, along with their practical applications in the classroom setting. Additionally, the pedagogical domain entails equipping students with the capability to assess student learning effectively, providing constructive feedback, and offering guidance. These competencies are pivotal for students aspiring to become accomplished educators.

The holistic preparation of students for both professional and pedagogical roles stands as an indispensable facet of education. It is incumbent upon students to develop a skill set that ensures success not only in the professional arena but also within the educational domain. The provision of instruction in these skills is imperative, ensuring that students are aptly equipped to confront the challenges that the future may proffer.

Literature review. Empirical evidence suggests a substantial surge in global social media usage amid the Covid-19 pandemic, with a particular emphasis on its application in the educational domain [1]. According to Sh.A. Aljawarneh, digital tools, specifically social media platforms, have

assumed a pivotal role in facilitating remote teaching and learning during the pandemic. The statistical analysis of social media utilization during this period yields valuable insights into the widespread integration of digital tools within the educational landscape [1].

A comprehensive study conducted by M. Bond et al. on emergency remote teaching in higher education sheds light on the extensive shift towards online learning globally during the pandemic [2]. This research delineates the experiences of both educators and students during the inaugural global online semester, providing nuanced insights into the challenges and opportunities associated with the incorporation of digital tools in education. In the realm of nursing education, U. Langegard et al. delved into the pedagogical transition from campus-based learning to distance learning through the utilization of digital tools [5]. This study, focusing on the experiences of nursing students, contributes valuable insights into the adoption and efficacy of digital tools within this specific educational domain. A.W. Muzaffar et al. conducted a systematic review scrutinizing online e-learning solutions in e-learning, offering comprehensive insights into the methodologies, tools, and the global prevalence of digital assessment methods [6]. The research findings present statistical data on the worldwide adoption of online e-learning solutions, emphasizing the escalating reliance on digital tools for assessment in the realm of education. Research conducted by Ch. Greenhow and A.L. Chapman explores the utilization of digital tools, especially social media, in connecting students, teachers, and citizens during emergency situations [7]. This research underscores the potential of digital tools to bridge the gap between educators, students, and the broader community, fostering a sense of interconnectedness and support.

Results. The integration of electronic educational resources has significantly transformed the learning landscape for students. In the contemporary era, students are no longer confined to traditional classroom settings for accessing educational materials. The proliferation of online learning platforms has granted students access to a diverse array of educational resources, ranging from virtual classrooms to e-books and educational videos. These resources afford students the flexibility to engage in self-paced learning, with materials tailored to address their individual needs and interests. Moreover, the advent of digital learning facilitates universal access to educational materials, transcending geographical constraints and presenting a myriad of educational possibilities.

The accessibility of digital educational resources has precipitated a paradigm shift in instructional methodologies employed by teachers. Through the strategic utilization of technology, educators can customize their lessons to accommodate the unique needs of individual students, thereby delivering personalized instruction. Additionally, teachers can enhance the learning experience by incorporating multimedia resources, rendering lessons more engaging and interactive. This dynamic instructional approach provides educators with a comprehensive and dynamic toolkit, enabling them to offer students a more engaging and meaningful educational experience.

The deployment of digital educational resources has not only transformed instructional practices but has also engendered heightened collaboration between teachers and students. Utilizing online discussion boards and various digital tools, educators and students engage collaboratively in problem-solving, idea exchange, and resource sharing. This collaborative learning environment fosters a sense of

connectedness among students, instilling a community spirit and empowering them to assume ownership of their educational journey.

In summary, the utilization of electronic educational resources has positively influenced the learning methodologies of students, providing them with diverse and accessible educational materials. Simultaneously, educators benefit from enhanced instructional tools, fostering more engaging lessons and collaborative learning environments. The integration of digital learning represents a revolutionary shift in both student learning and teaching methodologies.

Discussion. In recent times, the educational landscape has undergone a profound transformation due to technological advancements, leading to the increasing prevalence of digital educational tools. Electronic educational resources, including e-books, simulations, and online courses, have rapidly emerged as the preferred mode of learning for students. This section outlines the various electronic educational resources along with their respective advantages and disadvantages.

E-Books: Among the prominent electronic educational resources, e-books stand out as a popular choice. E-books are digital renditions of textbooks, accessible on computers, tablets, or other electronic devices. Their popularity stems from being cost-effective compared to traditional textbooks, coupled with ease of accessibility and portability. E-books can be promptly updated to reflect the latest advancements in a particular field. While their primary advantages include affordability and convenience, drawbacks may arise, such as challenges in concentration, navigation, and annotation for some students.

Simulations: Another noteworthy electronic educational resource is simulations, interactive digital tools facilitating students' exploration of specific concepts or processes. Simulations cover a broad spectrum of subjects, from fundamental math and science concepts to intricate engineering and medical procedures. Particularly beneficial for visual learners, simulations provide an interactive and visual approach to understanding concepts and offer a platform for skill practice without the need for physical materials. Despite these advantages, the use of simulations may pose challenges in terms of cost, time, and user complexity.

Online Courses: Online courses represent an increasingly popular mode of learning, allowing students to engage in digital courses from any location with internet connectivity. These courses span a diverse range of subjects, from fundamental academic topics to specialized skills and certifications. The primary advantages of online courses include accessibility and convenience, enabling students to proceed at their own pace. Additionally, online courses often provide personalized instruction. However, potential drawbacks include higher costs compared to traditional courses and potential difficulties in maintaining focus for some students.

Conclusion. The integration of electronic educational resources delineates a paradigmatic shift within the domain of education, endowing students with flexibility, accessibility, and diverse learning modalities. While acknowledging the existence of challenges, the pronounced advantages associated with these resources markedly outweigh their drawbacks, contributing substantively to the establishment of a dynamic and inclusive educational milieu. The embracement of these transformative advancements is deemed imperative for educators and educational institutions to efficaciously prepare students for both professional and pedagogical roles within the evolving landscape of education.

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