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Innovative Educational Ecosystem: Developing Future Competencies and the Intellectual Potential of Universities

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ABSTRACT

The article presents the findings of a comprehensive study on contemporary trends in educational development and the variables influencing the establishment of innovative educational ecosystems. A systematic mapping and review of publications from 2020 to 2025, encompassing scientific papers, analytical reports, and strategic documents from prominent international organizations, was conducted utilizing systematic, institutional, competence-based, and comparative methodologies. The synthesis of theoretical sources facilitated the identification of pivotal global trends: the digitalization of educational processes, the proliferation of hybrid learning models, the enhancement of methodological innovations, and the growing significance of digital and creative competencies, alongside the transformation of the teacher's role towards mentoring and moderating learning.

We provide a comparative analysis of the growth of the Republic of Kazakhstan's education system in reference to international practices. We have discerned the external and internal elements affecting the current condition of the industry and assessed the efficacy of governmental regulatory mechanisms. According on comparative analytical data, the concept of "holistic e-learning" is suggested as a national paradigm for an integrated educational ecosystem encompassing macro, meso, and micro levels.

The empirical component of the study encompasses a sociological survey involving students, educators, and employers, in addition to focus groups. The findings indicated a significant desire for experiential learning, digital resources, and the enhancement of research and professional skills. Employers underscore the significance of extensive professional expertise, digital proficiency, and collaborative abilities. The established conclusions and recommendations seek to enhance educational ecosystems and augment the competitiveness of human capital within the framework of digital transformation.

Keywords: innovative educational ecosystem; digitalization of education; future skills; holistic e-learning; university-industry collaboration