

Chapter 3

Drivers of Urban Development in Terms of Education Based on Digital Technologies

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ABSTRACT

To speed up urban economic development there is a need in radical transformation in the technological fields as well as in the field of mechanisms that encourage the creation and implementation of new technologies. The proposed chapter approach can become a methodological foundation of development and self-development of educational institutions on the principles of continuing education using digital technologies. The chapter deals with the methodology of creating a unified information educational environment, providing the implementation of lifelong learning, the development and implementation of educational models, programs, and media performed with the use of digital technologies. The chapter aims to develop conceptual approach to strategic control of continuing education, innovative development of regulation of educational institutions and to propose practical recommendations based on digital technology.

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INTRODUCTION

The negative impacts of economic policy have been clearly manifested in the last 2 years due to unfolding international economic and political circumstances.

One of the key aspects under the current economic crisis, political sanctions, recently declared in the Russian Federation policy of substitution is the development of the business sector of the economy, flexibly adapting to global and international challenges and allowing the market to saturate competitive goods and services. At the same time, it should be taken into account that information technologies every year have an increasing influence on the economic sphere of the state. Stages of qualitative development of most industries (energy, medicine, education, trade, financial sector, insurance, etc.) and public administration are associated with the implementation of information technology. Every year, information technologies open up ever wider prospects for improving business efficiency and the quality of life of citizens.

World experience shows that the competitiveness of the national economy as a whole is related to the development of information technologies. The acceleration of technological progress, the impact of digital technology, creativity and intelligence on the entrepreneurship make the radical change in the external educational environment as ubiquitous phenomenon. Knowledge is the product of the educational process, and the economy of acquiring knowledge is a key structural element of the economic theory of the information society. Use and dissemination of knowledge in the digital society, depends not on technology but on the social institutions of society, especially education institution. In a digital society, an important role is played by the system of distribution, storage, processing and transformation of information into knowledge (Mkrttchian & Aleshina, 2017).

The present study aims to develop conceptual approaches to the strategic management of continuing education processes, to innovative development of educational institutions management and develop practical recommendations based on digital technology. In this connection, the main objectives of the proposed research are as follows (Tolstykh et al., 2017):

- To study the process of formation of innovative educational systems and their competitiveness in terms of diversification and integration of national education in the world educational space.
- To conduct a systemic analysis of the structure and composition of the managerial tasks and develop a behavioral model of functioning of subjects of situational management of innovative development of continuing education processes.
- To develop a methodology for formation of management strategy for continuous education processes.
- To form the procedure of organization of information relations in the management of continuing education processes based on digital technologies.
- To develop indicators and to propose the management mechanisms of continuing education processes on the basis of digital technologies.

BACKGROUND

In the management process, focused on the principles of obtaining and processing information, it is advisable to start with the term of “the subject of the information society.” The subject of the information

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