

Mastering Digital Technologies in the System of Continuous Education: Directions and Trends

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Abstract: Modern continuous education is carried out during the fourth technological revolution, which is characterized by a comprehensive synthesis of various technologies related to all aspects of human life. The main trends in the development of digital technologies are analyzed and the main areas of their development are highlighted: modeling, information and cognitive technologies and artificial intelligence technologies, Big Data, cybersecurity. Artificial intelligence is becoming a backbone technology of the digital society. In general, the technologies of the fourth industrial revolution represent a new quality that radically changes the social, economic and educational landscape. An overview of the implementation of these areas in the curricula and programs of Russian and foreign universities is given. The analysis of these programs showed that a significant part of universities, including those in the humanities, focused on mastering digital tools. In a number of universities, along with the instrumental component, attention is also paid to the theoretical foundations of digital technologies.

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