

E-Learning Courses as a Tool for Digital Transformation of Additional Professional Education

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Citation: Meretskov O.V. E-Learning Courses as a Tool for Digital Transformation of Additional Professional Education, *Kompetentnost' / Competency (Russia)*, 2023, no. 5, pp. 17–25. DOI: 10.24412/1993-8780-2023-5-17-25

key words

online course, e-learning, distance learning technologies, digitalization

The e-learning course concept is considered both in terms of content and technical implementation. I described the typification of electronic courses according to technological criteria, the universal role model of the development team and the sequence of creating electronic courses within the framework of the APE. Also, the pros and cons of technological solutions, approaches to documenting the processes of developing and using electronic courses in the educational process were analyzed.

Summing up, I will highlight the main.

(a) The official use of e-learning courses in the educational process is legalized by amendments to Federal Law N 273 On education in the Russian Federation adopted in 2012.

(b) Technological electronic courses are a symbiosis of structured educational material and software implementation of organizing access to these materials.

(c) The creation of e-learning courses is governed by the rules for the development of computer programs, which provide for the presence of a team of developers specific to the implementation of IT projects, as well as approaches to documenting the development and acceptance of the final product.

(d) The introduction of electronic courses into the educational process requires the availability of accompanying documentation for electronic courses with a description of the technologies of students, administrators (methodologists), teachers working with them, as well as an assessment of the quality of mastering the corresponding educational program.

References

1. Volkova N.S. Analiz sistemy dopolnitel'nogo professional'nogo obrazovaniya Rossii i ego rol' v sovremennykh usloviyakh [Analysis of the additional vocational education system of Russia and its role in modern conditions], *Moloday uchenyy*, 2012, no. 5(40), pp. 412–415.
2. GOST 34.003–20 Information technology. Set of standards for automated systems. Automated systems. Terms and definitions, Moscow, *RST*, 2020.
3. GOST 34.201–20 Information technology. Set of standards for automated systems. Types, completeness and designation of documents when creating automated systems, Moscow, *RST*, 2020.
4. GOST R 59793–21 Information technology. Set of standards for automated systems. Automated systems. Stages of creation, Moscow, *RST*, 2021.
5. GOST 34.602–20 Information technology. Set of standards for automated systems. Terms of reference for the creation of an automated system, Moscow, *RST*, 2020.
6. GOST 34.603–92 Information technology. Types of testing of automated systems, Moscow, *Standartinform*, 2009.
7. Meretskov O.V. Pedagogiko-tehnologicheskie podkhody k sozdaniyu tsifrovogo obrazovatel'nogo kontenta territorial'no raspredelennymi kollektivami [Pedagogical and technological approaches to the creation of digital educational content by geographically distributed teams], Moscow, *Direkt-Media*, 2023, 156 P.
8. Meretskov O.V. Rekomendatsii po razrabotke avtorskikh materialov dlya primeneniya v elektronnom obuchenii [Recommendations for the copyrighted materials development for use in e-learning], Moscow, *ASMS*, 2023, 89 P.
9. Meretskov O.V. Sozdanie elektronnoho kursa svoimi rukami [Creating an e-learning course with your own hands], Moscow, *LitRes*, 2019, 112 P.
10. Meretskov O.V. Tsifrovyye obrazovatel'nye tekhnologii: praktika primeneniya [Digital educational technologies: application practice], Riga, *LAMBERT Academic Publishing*, 2018, 332 P.
11. Mozhaeva G.V., Ren'ya P.N. Shvedskaya model' dopolnitel'nogo professional'nogo obrazovaniya i ee realizatsiya v Rossii [Swedish model of additional professional education and its implementation in Russia], *Trudy MFTI*, 2014, vol. 6, no. 4, pp. 182–192.
12. Rashidi A. Shvedskaya model' dopolnitel'nogo professional'nogo obrazovaniya [Swedish model of additional professional education], *Dopolnitel'noe professional'noe obrazovanie v strane i mire*, no. 3, 2013, pp. 34–37.
13. RD 50-34.698–90 Automated systems. Requirements for the content of documents.
14. Robert I.V. Teoriya i metodika informatizatsii obrazovaniya (psikhologo-pedagogicheskiy i tekhnologicheskiy aspekty) [Theory and methodology of informatization of education (psychological, pedagogical and technological aspects)], Moscow, *BINOM. Laboratoriya znaniy*, 2014, 398 P.
15. RF Federal Law of 29.12.2012 N 273-FZ On education in the Russian Federation; <https://docs.cntd.ru/document/902389617> (acc.: 22.04.2023).
16. Sorokina E.V. Problemy i spetsifika dopolnitel'nogo obrazovaniya vzroslykh v Rossii i zarubezhnykh stranakh [Problems and specifics of additional adult education in Russia and foreign countries], *Moloday uchenyy*, 2020, no. 43(333), pp. 128–130.
17. Timofeeva Yu.S., Sitranova S.B. Dopolnitel'noe obrazovanie vzroslykh v sisteme sovremennoho obrazovaniya [Additional adult education in the system of modern education], *Sovremennyye nauchnyye issledovaniya i innovatsii*, 2016, no. 10; <https://web.snauka.ru/issues/2016/10/72553> (acc.: 10.04.2023).
18. Trubin G.A. Sovremennoe dopolnitel'noe obrazovanie dlya vzroslykh (sotsiologicheskiy analiz) [Modern additional education for adults (sociological analysis)], Tyumen', 2013, 182 P.