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Implementation of Tutorials with Interactive Elements for the Study of General Technical and Electrical Engineering Disciplines in the E-environment

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(2022) *Proceedings of the 2022 IEEE 4th International Conference on Modern Electrical and Energy System, MEES 2022*

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(2020) *CEUR Workshop Proceedings*

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Краткое описание

The article presents the technology of implementation of tutorials with interactive elements for the study of general technical and electrical engineering disciplines in the e-environment. The levels of study of these disciplines are described. The types of interactive audiovisual online tools according to the types of classes are presented: lectures, laboratory and practical works and independent tasks. At the initial level, it is proposed to use multimedia online lectures, video instructions for practical and laboratory work in general technical and electrical engineering disciplines, test simulators. Audiovisual lectures, online calculators for practical works, online laboratory works, graphic training simulators are used at a sufficient level. The average level involves the use of interactive lectures, video tutorials for studying engineering programs, online laboratory work with the presentation of results in an e-environment, gamified training simulators. At a high level it is proposed to use interactive lectures with a task for reflection, an engineering project in general technical and electrical engineering disciplines in an e-environment, online laboratory work with discussion in a thematic forum, report on a webinar with the presentation of engineering developments. Tutorials for future electrical engineers in general technical disciplines "Mechanics of Materials and Constructions", "Theory of Mechanisms and Machines", "Engineering and Computer Graphics" and electrical engineering disciplines "Theoretical Foundations of Electrical Engineering", "Electrical Technologies" for studying in the e-environment were created and tested. Such tutorials contain interactive audiovisual online tools for performing tasks in an e-environment that are presented with the help of QR-codes. The obtained results were checked according to the Kolmogorov-Smirnov criterion. © 2021 IEEE.

Ключевые слова автора

e-environment; electrical engineering disciplines; electrical engineers; general technical disciplines; higher educational institutions; tutorials with interactive elements

Включенные в указатель ключевые слова

Engineering controlled terms

Computer graphics; Laboratories; Simulators

Engineering uncontrolled terms

E-environment; Educational institutions; Electrical engineer; Electrical engineering discipline; Engineering disciplines; General technical discipline; High educational institution; Interactive elements; Laboratory work; Tutorial with interactive element

Engineering main heading

Computational complexity

Темы SciVal

Название темы **Problem-Based Learning; Curricula; Engineering Education**

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1 [Nagy, A.](#)

[The impact of E-Learning](#)

(2005) *E-Content: Technologies and Perspectives for the European Market*, pp. 79–96. Цитировано 42 раз.

<http://www.springerlink.com/openurl.asp?genre=book&isbn=978-3-540-25093-7>

ISBN: 354025093X; 978-354025093-7

doi: 10.1007/3-540-26387-X_4

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2 [\(2013\) Changing Course: Ten Years of Tracking Online Education in the United States, Babson Survey Research Group](#), p. 4. Цитировано 17 раз.

ISBN 978-0-9840288-3-2

3 [Montebello, M.](#) (2018) *AI Injected E-Learning*, Springer

4 [Ivanovic, M., Jain, L.C.](#) (2014) *E-Learning Paradigms and Applications*. Цитировано 10 раз. Springer

5 [Liu, S., Clowatz, M., Zappatore, M., Gao, H., Jia, B., Bucciero, A.](#) E-Learning, e-Education, and Online Training (2018) *The Proceedings of the 4rd International Conference on E-Learning e-Education, and Online Training, eLEOT 2018*, Shanghai, China, April

6 [Benson, R., Brack, C.](#) [Online Learning and Assessment in Higher Education: A Planning Guide](#) (2010) *Online Learning and Assessment in Higher Education: A Planning Guide*, pp. 1–204. Цитировано 26 раз.

<http://www.sciencedirect.com/science/book/9781843345770>

ISBN: 978-184334577-0

doi: 10.1533/9781843345770

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7 [Logan, R.M., Johnson, C.E., Worsham, J.W.](#) [Development of an e-learning module to facilitate student learning and outcomes](#) (2021) *Teaching and Learning in Nursing*, 16 (2), pp. 139–142. Цитировано 11 раз.

<http://www.elsevierhealth.com>

doi: 10.1016/j.teln.2020.10.007

[View at Publisher](#)

8 [Scherer, R., Howard, S.K., Tondeur, J., Siddiq, F.](#) [Profiling teachers' readiness for online teaching and learning in higher education: Who's ready? \(Открытый доступ\)](#)

(2021) *Computers in Human Behavior*, 118, art. no. 106675. Цитировано 149 раз.

<https://www.journals.elsevier.com/computers-in-human-behavior>

doi: 10.1016/j.chb.2020.10.6675

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9 [Oyediran, W.O., Omoare, A.M., Owoyemi, M.A., Adejobi, A.O., Fasasi, R.B.](#) [Prospects and limitations of e-learning application in private tertiary institutions amidst COVID-19 lockdown in Nigeria \(Открытый доступ\)](#)

(2020) *Heliyon*, 6 (1), art. no. e05457. Цитировано 38 раз.

<http://www.journals.elsevier.com/heliyon/>

doi: 10.1016/j.heliyon.2020.e05457

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10 [Tajeri Moghadam, M., Abbasi, E., Khoshnoodfar, Z.](#) [Students' academic burnout in Iranian agricultural higher education system: the mediating role of achievement motivation \(Открытый доступ\)](#)

(2020) *Heliyon*, 6 (9), art. no. e04960. Цитировано 13 раз.

<http://www.journals.elsevier.com/heliyon/>

doi: 10.1016/j.heliyon.2020.e04960

[View at Publisher](#)

11 [Nachimuthu](#) (2018) *Innovative Teaching Learning Through Web Tools*, (6), pp. 275–280.

12 [Parwata, K.Y.L., Sudiatmika, A.A.I.A.R.](#) [The Effectiveness of Learning Tools in Science Learning \(Открытый доступ\)](#)

(2020) *Journal of Physics: Conference Series*, 1503 (1), art. no. 012049. Цитировано 2 раз.

<http://iopscience.iop.org/journal/1742-6596>

doi: 10.1088/1742-6596/1503/1/012049

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13 [Sydorov, N., Sydorova, N., Sydorov, E., Cholyshkina, O., Batsurovska, I.](#) [Development of an approach to using a style in software engineering \(Открытый доступ\)](#)

(2019) *Eastern-European Journal of Enterprise Technologies*, 4 (2–100), pp. 41–51. Цитировано 7 раз.

<http://journals.uran.ua/ejset>

doi: 10.15587/1729-4061.2019.175665

[View at Publisher](#)

14 [Corbachenko, I.](#) (2020) *Comparative Analysis of Distance Learning Tools*, pp. 1549–1555.

15 [Anton Batida, D.](#) (2020) *Riah Encarnacion, Challenges and Relationships of E-learning Tools to Teaching and Learning*

16 [Kumar, S.N., Lenin Fred, A., Padmanabhan, P., Gulyas, B., Dyson, C., Melba Kani, R., Ajay Kumar, H.](#) [Multimedia-Based Learning Tools and Its Scope, Applications for Virtual Learning Environment](#)

(2021) *Intelligent Systems Reference Library*, 197, pp. 47–63. Цитировано 3 раз.

<http://www.springer.com/series/8578/detailsPage=titles>

doi: 10.1007/978-981-15-8744-3_3

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17 [Strutynska, O., Umryk, M.](#) (2020) *Distance Learning Tools and Trends: Local Survey of Ukrainian Educators*

18 [Popov, A.A., Masaev, S.N., Edimichev, D.A., Musiyachenko, E.V.](#) [Active methods of teaching technical disciplines in educational organizations \(Открытый доступ\)](#)

(2020) *Journal of Physics: Conference Series*, 1691 (1), art. no. 012204.

<http://iopscience.iop.org/journal/1742-6596>

doi: 10.1088/1742-6596/1691/1/012204

[View at Publisher](#)

19 [Tsarenko, O.](#) Features of multimedia lectures from technical disciplines (2018) *Engineering and Educational Technologies*, 2, pp. 50–56.

20 [Chikalina, V.K., Mussakaev, O.P.](#) Methods of interactive learning in teaching technical disciplines (2019) *Scientific Papers Collection of the Angarsk State Technical University*, 1, pp. 338–342.

21 [Sh. Salakhova, A., Kozlov, V.](#) Distance learning lab experience in technical disciplines (2019) *Energy Safety and Energy Economy*, 1, pp. 39–43.

22 [Morozov, A., Shevchenko, A., Kurdyumov, D., Pogorelskiy, A.](#) (2016) *Modular Teaching Complexes for Technical Disciplines*, pp. 1–1.

23 [Veretennikov, A.N., Turchenkov, D.A., Rogov, R.A., Loskutov, A.S., Kotenev, M.A.](#) (2019) *Modern CAD Systems in the Study of Technical Disciplines*

24 [Mambetov, R.M., Tanjariva, R.A.](#) Method of teaching technical disciplines in higher educational institutions (2020) *Asian Journal of Multidimensional Research (AJMR)*, 9, p. 139.

25 [Tryfonova, O.M.](#) Environment for teaching physical and technical disciplines (2018) *Collection of Scientific Papers of Kamianets-Podilskiy National Ivan Ohnienko University. Pedagogical Series*, pp. 37–40.

26 [Olynyk, V.V., Samoylenko, O.M., Batsurovska, I.V., Dotsenko, N.A.](#) STEM-education in the system of training of future engineers *Information Technologies and Learning Tools*, 80 (6), pp. 127–139. Цитировано 3 раз.

27 [Babenko, D., Batsurovska, I., Dotsenko, N., Gorbenko, O., Andriushchenko, I., Kim, N.](#) [Application of Monitoring of the Informational and Educational Environment in the Engineering Education System](#)

(2019) *Proceedings of the International Conference on Modern Electrical and Energy Systems, MEES 2019*, art. no. 8896469, pp. 442–445. Цитировано 8 раз.

<http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=8891873>

ISBN: 978-172812569-5

doi: 10.1109/MEES.2019.8896469

[View at Publisher](#)

28 [Olynyk, V., Samoylenko, O., Batsurovska, I., Dotsenko, N.](#) Formation of future agricultural engineers' professional competences in computer-oriented environment of higher education institutions (2018) *Informational Technologies and Learning Tools*, 68 (6), pp. 140–154. Цитировано 4 раз.

29 [Kolmogorov, A.](#) Sulla determinazione empirica di una legge di distribuzione (1933) *Giornale dell'Istituto Italiano Degli Attuari*, 4, pp. 83–91. Цитировано 1512 раз.

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