

MODERN EDUCATIONAL TECHNOLOGY AND ARTIFICIAL INTELLIGENCE

Dear teachers, pedagogues and school directors, if you want to get acquainted with the changes in education caused by new technologies, especially artificial intelligence, we have created a course for you that can help you understand the importance of changes and the pedagogical effects of applying modern technology in the era of intensive development of artificial intelligence.

Inform yourself with the course content.

Course content (topics you will deal with):

Module 1: Introduction to the course

Module 2: Changes in education technology based on the Artificial Intelligence

Module 3: Teacher competencies defined by European documents (8 key competencies for lifelong learning) and digital competencies https://craie.edu.rs/wp-content/uploads/2024/04/Dekan_CN.mp4

(Teachers competencies PPT)

Module 4: Using smart devices in education

Module 5: Smart learning in practice

Module 6: Benefits of using robots and Bee-Bots in education

Module 7: AI in education and changing teachers and students roles

Module 8: Evaluation

Kahoot <https://kahoot.it/challenge/?quiz-id=568e85cf-58f8-44b7-b41d-aebfd2518190&single-player=true>



If you carefully go through the contents of each video-material, after completing the course you will be able to:

- understand the importance and possibilities of applying artificial intelligence, virtual reality and 3D simulations in the modern educational environment;
- apply different methodological approaches, teaching organization and evaluation of student work in teaching activities;
- developing critical thinking and character traits of students

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Danimir Mandic (1964) graduated at the Faculty of Mechanical engineering in Sarajevo, in the area of Information systems. Masters degree got at the University of Belgrade in the area of Information systems in traffic engineering. At the Faculty of technical sciences in Novi Sad he got a DSc in the area of Information systems in traffic engineering, and he got PhD at the Faculty of philosophy University of East Sarajevo in the area of Educational technology. He was a postgraduate student at the Michigan State University at the department of Computer sciences where he got specialisation in the area of Computers in Education.

He is a full professor in Informatics and educational technology at the University of Belgrade in Serbia (from 2002) and a chief of Department of Didactics and Educational Technology. From 1987. up to 1992 he was assistant at the Faculty of Traffic Engineering in Sarajevo (Bosnia and Herzegovina). from 1992.

He is professor and dean at the Faculty of Education – University in Belgrade (Serbia) and a visiting professor in USA, Italy, France and UK.

Danimir Mandic published more than 150 scientific papers and 32 books in the area of Informatics and Educational Technology. He was a leader in three scientific projects: Educational software for students, Interactive multimedia classroom and Distance education systems for high education. Currently he is a leader in scientific project: Evaluation of the Curriculum at the Teacher Training faculties in Serbia using modern technologies and distance education. He is author of several innovations in education. We created multimedia software for learning informatics, and Distance learning software for

students. His area of interest is modern educational technology , artificial intelligence and computer science.

Danimir Mandic is advanced tester and coordinator for European Computer Driving Licence in Serbia and a chief of European Institute of Informatics and Educational Technology in Serbia.