Review

for the educational and scientific program of training Doctors of Philosophy

at the Institute of Information Technologies and Learning Tools of the National Academy of Educational Sciences of Ukraine

Field of Knowledge: 01 Education/Pedagogy

Specialty: 011 Educational, Pedagogical sciences

Specialization: Information and Communication Technologies in Education

The development of the system of training research and educational staff is an integral factor of the scientific and technological progress of a society. Mastering latest achievements in the sphere of information and communication technologies development causes new tasks for the training of highly qualified specialists, modernization of the structure of education, updating the requirements for the Doctor of Philosophy (PhD) qualification. The search for effective approaches to the training of research and educational staff, aimed at achieving the modern level of scientific and educational progress and increasing the ICT competence and intellectual potential of a society is of particular relevance.

The presented work program contains the necessary amount of knowledge, skills and information and communication technological competencies that allow to prepare applicants for higher education degree "Doctor of Philosophy" for the use of ICT in their research and educational activity.

The thematic plans provide a gradual sequence of topics at lectures with subsequent consolidation in practical classes, as well as the relationship between teaching program material both at lectures and in practical classes. The program considers the modern needs of the academic community and is relevant for the training of Doctors of Philosophy.

The purpose of the educational and scientific program is to train specialists able to solve complex problems in the field of information and communication technologies in education, to carry out research and innovation activities in this field based on deep theoretical knowledge, practical skills and abilities.

The educational and scientific program includes academic disciplines of the educational component, as well as disciplines aimed at training scientific and educational staff in topical and promising areas in the field of information and communication technologies in education and science, in particular: "Project and research activities in education"; "Cloud-oriented technologies to support scientific and educational activities"; "Scientific electronic communications and open journal systems"; "Scientific electronic communications and academic writing"; "Systems of education and training in a computer-oriented environment" etc.

Professional competencies cover all the necessary areas of activity of a Doctor of Philosophy in specialty: Educational, pedagogical sciences, specialization: Information and communication technologies in education. Among them there are full autonomy in the implementation and development of research and educational projects concerning the different areas of using ICT; carry out educational activities in different types of higher education institutions, applying innovative forms, learning technologies and methods of using ICT; leading the scientific research in the field of ICT for education, etc.

Thus, the educational and scientific program developed and implemented at the Institute of Information Technologies and Learning Tools of the National Academy of Educational Sciences of Ukraine for training the specialists in higher education for the educational and scientific level in the field of knowledge: 01 Education / Pedagogy, specialty: 011 Educational, pedagogical sciences, specialization: Information and Communication Technologies in Education can be recommended for approval.

Reviewer:

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