



## PRACTICAL USE OF INNOVATIVE KNOWLEDGE DEVELOPED IN TRAINING COURSES

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<p><b>Received:</b> 8<sup>th</sup> April 2022 <b>Accepted:</b> 11<sup>th</sup> May 2022 <b>Published:</b> 22<sup>th</sup> June 2022</p>	<p>This article provides views and comments on the implementation and development of mobile learning applications based on digital technologies in the system of distance learning in the system of retraining and advanced training of public educators. The role of education in society is growing day by day. As you know, Education is the main and most effective means of preparing the younger generation for life . At the same time, it is also a means of rationally assimilating human experience in production, technology, and management.</p>
<p><b>Keywords:</b> Primary school, education, humility, upbringing, public education, skills development. professional competence and professional competence of the teacher, methodical training of teachers, independent professional development .</p>	

### INTRODUCTION

The level of development of professional competence of the teacher depends on the scientific and effective nature of the educational process, taking into account the characteristics of the system. A high level of learner development can only be achieved through developmental learning, in which learners not only acquire knowledge but also acquire ways of acquiring knowledge. The method of learning is a subjective means of cognition , without which the creative activity of learners can not take place. In the developmental system, knowledge is acquired in the process of active independent learning activities of learners, the main task of the teacher is to transmit ready-made knowledge to learners regardless of their need and activity for this knowledge. unlike the system, it consists of managing the activities of the learner[4]. The main factor in improving the quality of education is the interaction of teacher and student in the educational process and research. The teacher should be not only a communicator, but also an organizer, leader, consultant, armed with scientific methods, with a deep understanding of the laws and mechanisms of the educational process and its management[12].

### DISCUSSION AND RESULTS

raising training to the level of modern requirements was considered an important condition for building a new society based on market relations. In recent years, a number of reforms have been made in this regard. In particular, on December 29, 2018 by the order of the Ministry of Public Education No. 334 " On the final certification of students of advanced training courses of regional centers for retraining and advanced training of public educators." The charter was approved. Based on the requirements of these regulations, we would like to make some comments and recommendations[5].

Resolution of the President of the Republic of Uzbekistan No. RQ-2909 of April 20, 2017 "On measures for further development of the higher education system", Resolution of the President of the Republic of Uzbekistan No. RQ-1740 of April 16, 2012 "On electronic About the organization of the national network "lim", the order of the Cabinet of Ministers from November 21, 2017 of No. 930 It is important to implement the tasks set out in the Resolution "On approval of the regulations of the Government of the Republic of Uzbekistan" and other regulations related to this activity.

SG Grigoreva, MV Bulgakova , Ye.G. Gridinoy, ADIvannikova, VA Star y x, AN Tikhonova, VV Liraeva, AI Gusevoy, AI Bashmakova, Galkinoy AI, Solovova AV, KG Skiririna, T.Saati and others conducted effective research. Issues of evaluating the effectiveness of e-learning and the quality of e-learning resources VR Tikhomirova, Yu.F. Telnova has looked at the research of a number of scientists, such as MI Nejurinoy.

intellectual analysis in solving the problems of intellectual analysis: Yu.I.Juravlev, V.I.Vasilev, Gorelik A.L., N.G.Zagoruyko, G.S.Lbov, L.A.Rastrigin and others. In particular, the following Uzbek scientists M.M.Kamilov, T.F.Bekmuratov, R.X.Khamdamov, M.A.Rakhmatullaev, N.A.Ignatev A.H.Nishanov, D.T.Mukhammedieva, A.R.AKhatov and others.

Today in the intellectual analysis of e-learning resources created software packages for the formation of a set of characteristics that characterize the objects under study, the selection of information, their classification and evaluation. Nevertheless, the problems of creating improved algorithms for assessing the quality of the educational system through online monitoring of its resources, solving the problems of classification and clustering of the elements of the protocol of events are not sufficiently studied[6].

One of the most pressing issues today is the construction of adaptive models for the evaluation of e-learning resources online, classification, the formation of a set of informative signs, the development of a set of software tools for continuous monitoring[13]. To solve these problems, the following issues were required and the following results were obtained by the authors:

- Adaptive models for assessing the status of e-learning resources were developed and information IDEF1x-models for monitoring were developed;
- An evaluation model has been developed to identify and monitor the completeness of course elements of online e-learning resources;
- Development of methods and algorithms for the formation of a set of symbols of e-learning resources in the environment of emblem recognition, their classification ;
- Software architecture and inter-module functional structure for evaluating e-learning resources is developed;
- developed a software tool based on the method, algorithms for the selection and classification of e-learning resources on the basis of quality indicators in the assessment and control of e-learning resources.

In practice:

- Algorithm and software developed on the basis of additive models of assessment of the state of electronic information resources;
- developed an information model of the monitoring system;
- Developed a software tool that monitors the activity of users, assessing the completeness and integrity of the course elements of e-learning resources online ;
- A library for web programming, which includes algorithms for assessing the status of electronic resources;
- developed a software tool for the selection of information signs in the assessment and control of e-learning resources and quality indicators of e-learning resources.

Reliability of research results is the mathematical accuracy of the problem, the use of intellectual data analysis tools, emblem detection methods and algorithms, as well as the consistency of the results of theoretical and practical research, as well as the relevance of the developed software to test results and comparison of real data. explained by[7]

Web Service-type library ETRA (External Trading Application), which includes algorithms based on adaptive models for assessing the state of electronic resources in the emblem recognition environment. log) to solve problems of intellectual analysis of data in data recognition. As a result of scientific research, the introduction of algorithms based on additive models for assessing the status of electronic resources in the ETRA information system allowed to increase the efficiency of electronic resources by 1.5 times , the introduction of the ICM system in the analysis of event reports by 1.3 times. First of all, it is necessary to make all listeners understand that the qualification work is an integral part of the final attestation, and through its implementation and defense, the knowledge, skills and abilities acquired by the trainee in the training modules are identified and evaluated[14].

Based on the state requirements for in-service training and the characteristics of general secondary education, we believe that in-service training should be described as follows. Theoretical work and methods of teaching science, pedagogical and information and communication technologies in teaching science, improving the quality of education, professional training and skills of teachers, is a scientific-methodical work written independently, completed and duly formalized within a specific topic in the areas of improving the activities of educational institutions[8].

The topic of the qualification (creative) work should be properly formulated and named according to the purpose. It is therefore important that, first of all, the topic should be aimed at highlighting any aspect of the educational process, the current issue, or to systematize and explain advanced technologies and methods, practices in education. Second, the title of the topic should indicate to some extent what the author (listener) wants to say and what issue he / she wants to cover. Topics of qualification work include the state requirements and curricula of professional development in public education, the State educational standards and curricula of science in general secondary education, as well as the legal framework governing the activities of public educators. must comply with the requirements of the documentation[15].

Themes of qualification work are related to the methods of teaching science, improving the quality and effectiveness of education, improving the activities of educational institutions, improving the professional competence of editorial staff, the development of scientific-methodological, organizational-methodological and practical recommendations should be focused . In reviewing and evaluating the qualification work, the head of the qualification work and the members of the commission should take into account the following criteria:

**Quality of preparation.** The qualification is based on the fact that the work is performed in accordance with the requirements of the Charter, ie on a blue ballpoint pen, in the same writing, without errors and quality, the sides of the sheet are left correctly, the serial number is set. Particular attention should be paid to the preparation of the case in the prescribed manner[9].

**Relevance of the topic, disclosure of theoretical and practical significance. How important are the ideas and comments expressed by the listener in the** introduction and the main part in the education system today, how can they be applied and used in practice, the modernity of the education system problems and solutions and focus on other topical issues.

**Independent execution and creative approach.** The trainee will be evaluated on the basis of the plan for the main part of the dissertation and its conclusion, scientific and creative ideas, the appropriate use of the literature and the appropriateness of the references and the absence of repetitions.

**Purpose and results.** In scoring, attention is paid to the correctness of the purpose set in the introduction and the main part of the dissertation, the purposeful coverage of the dissertation and its logical completion, the correctness of the conclusions and recommendations in writing the dissertation[10].

**Normative documents, the use of advanced educational technologies. Scores are given based on the use of normative documents on the subject, as well as various advanced pedagogical technologies and interactive methods, the acquisition of additional information, pictures** and other didactic materials from Internet sites through information technology and registered as an application.

**CONCLUSIONS AND RECOMMENDATIONS.** Conclusions on the qualification work are based on the goals and objectives of the topic, taking into account the fact that they are scientifically and methodologically correct , recommendations on the topic and the reality of their implementation in practice.

**Proper selection of the literature used on the subject .** Scores are based on the correct selection of the literature used in the qualification work, the list of references in the correct order according to their type and characteristics, the effective use of the latest and new literature.

## CONCLUSION

In the process of teaching, the content of education, teaching, learning are in such an integral relationship with each other that none of them can be ignored. Both teaching and learning are object-oriented learning objects and the end result is the content of learning, which depends on the teacher who organizes the learning[11]. Therefore, in our opinion, the training of highly qualified editorial staff focused on pedagogical activities, the development of their professional and methodological training should become a necessary condition for the development of society.

and effectiveness of modern education depends directly on the knowledge and professional skills of teachers, one of the main conditions for raising the quality and content of education to a new level is the regular improvement of knowledge, skills and professionalism of teachers. raising remains an important task today.

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