Use of NLT in Education Management at Higher School

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Abstract:

The article deals with the information technologies in the management of education at higher school, perspectives of using multimedia in preparing of independent work, application status of knowledge gained in teaching practice, efficiency of taking colloquiums with different method. As a result of investigation, the innovations brought by multimedia presentations and internet use to the teaching process and interactivity in teaching-learning process have been involved in the investigation.

Key words: new learning technologies, e-learning, biological and technological abilities, distant-online –offline education

Nowadays the NLT has been widely applied to teaching all over the world and it constitutes an integral part of teaching. But it does not mean that the teaching process is doomed to perish without application of technologies. As it is said: no technique can replace a human, especially a teacher. Experienced teacher is the person who attracts the interest of younger generation much more and submits a material to be learned in detail using new technical tools for delivering knowledge. «If typological ETR is presented with mental operations which are developed its with training activities, didactic capabilities and their methodical functions for the result of the, not only its specific

types, in that case it should be an effective means for the development of ETR project conception of psychological – pedagogical directed to obtaining of the result of new education and up to the requirement of system – activity in education". (4) Currently, online, offline, distant, virtual modes of study which have already confirmed its efficiency in the world practice are assumed as apriority in our Republic. Our university learns and applies the experience of different countries.

In one of the lectures held in Seoul on account KOICA company grant of South Korea in 2014, the professor Kim Nam Young informed that experiences of Korea in public and educational field attracts the world countries much more. There are mixed type of universities in Korea where offline, online lessons are held. Busan Cyber University holding only online lesson operates too. Professor added that, Curriculum, Teaching and Learning centres are of great importance for transferring from Offline University to online university. It is more effective to Listening online lecture and attending offline lecture once a month is more effective. Delivering one offline lecture is appropriate after three online lectures.

In this case, the students share with auditorium and teacher what they have learned and get a chance of exchanging ideas. ICT should absolutely be used both in online and offline teaching. Moreover, the teacher should make some gestures and be able to revive the auditorium with extraordinary information in order to not get the listeners bored during the lesson. Besides, it is expedient for online university graduates to hold short-term offline courses. If taking into account that the learning technologies will manage the education, all fields of university activities in our Republic in a short run we can say that the requirements for the ICT application at secondary and higher schools are a priority. There is a need to involve other issues to be resolved ahead into investigation (2).

Informatization process of higher pedagogical and educational institutions should be implemented based on the special program established to this end. In terms of such

requirements, Nakhchivan State University is carrying out Electronic University Project conducting trainings with KOICA Company of South Korea. Execution of this program will allow establishing the prospective single information and educational space to establish educational, scientific-research, management activities of the university at modern information technologies base. It is impossible to solve the complex problem at the level of deanery and chairs.

Effective solution of these issues allows preparation and implementation of complex events covering all the structures of the university and as a result, enables transition of management of university to a new level by quality which will be realized in the near future.

Maximum capabilities for use create favourable condition for conducting investigations more effectively and carrying out tests in a completely different form. From this point of view, each experiment conducted with the students majoring in biology provides new directions for learning the application results of NTLT in the training process. Establishment of multimedia teaching system at university has created additional activity and practice field for the research work conducted by us. During discussions we make remarks and suggestions.

After seeing, the shortcomings and having discussed on further works that will be done in the future, even if the teachers stated a lack of experience and information in this field, by offering our help we created opportunities for you taking part and gaining experience in our prepared open lesson and live connections, and distributed our e-lessons as an example. Thanks to strict control over the work, the launch and successful implementation of multimedia system in the university has led to the students' attendance, attention and an increase in the level of preparation. During the use of ICT, the problem that is especially emerged in the form of motivation and the demand for its solution, involves operating the process of thinking of students in the active process of teaching,

improves their cognitive activity and develops their thinking ability (5). In this case, learners inevitably join to the teaching process and should go to the direction posed by the teacher. Another way of creating an interest in the technology is to hold various competitions, conferences and symposiums. "Electronic Education" Republic competition was one of the important measures held for this purpose and announced a number of goals of the works will be done in this field. We think that, all the events held in this format, especially in the field of education, therefore will yield results in social life in the near future. The main objectives of the competition are to popularize the use of electronic educational resources (EER) and inform educational community; to introduce electronic education materials to the wide user audience; to inform educational community of the country about the new training activities implemented by using the Internet (6). In our opinion, every responsible teacher dealing with the teaching of biology has more chance, opportunity and the means than only 15-20 years earlier biology teacher, to provide teaching with obviousness because of currently living in the age of Internet.

> "There are many demands in the social networks, guest books, forums and blogs. Today no one has doubt in using from internet resources and technologies for education. Availability of sites is dictated in conformity with to the new Federal Law on "Education" in the High education institutions". (1).

Multimedia plays an irreplaceable role in the preparation of independent works of higher school students on account of new learning technologies over the last years. We decided to accept independent works only in electronic format with presentation of a student as novelty.

Multimedia presentations have provided high use opportunities of visual aids for demonstration of new knowledge learnt about biological processes, physiological changes that occur in creatures, pathologies, rules and conformity to natural laws in the independent works individually studied during

lectures, laboratory and seminars within semesters. It causes important changes in the activity structure of higher school teaching staff. Results of experimental lessons held with secondary school students together with higher school students were satisfactory after the experiment: Comparison of the results of control and experimental groups at the higher and secondary schools before and after the experiment.
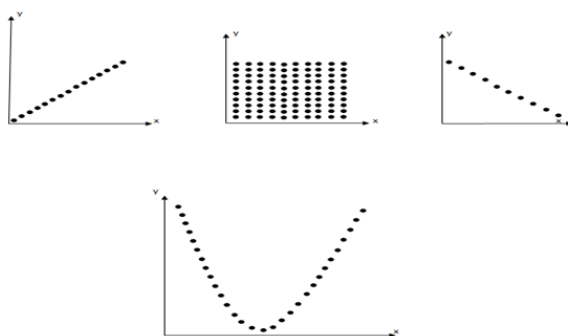
Table 1.

Schools (number of participants)	Control group till the experiment	Experimental group till the experiment	Control group after the experiment	Experimental group after the experiment
Higher school - 25	7-8	10-11	8-10	19-22
High school -18	5-6	7-8	7-9	15-17

End of the experiments shows level of the works conducted in the direction of NLT application to the education. Joint works of the students and pupils arouse interest. Due to less disparity between ages, members of the same generation benefiting from modern period development understand each other more quickly and possess skills of technology use. Young and middle age teachers make efforts in this field. After completion of Electronic University project at Nakhchivan State University open lessons were held with inter-faculty direct connect since 2015. These lessons held with participation of principalship and intervention at any moment arouses interest of the students and creates additional responsibility for preparation of teachers.

While analysing these lessons we come to a conclusion that holding online, open, debate and discussion type lessons among specialties of each faculty with inter-faculty and higher schools of the autonomous republic after the system is completely launched should be regular and permanent. This would be good practice for opinion, experience exchange as well as for organizing debates with world higher schools. We have got acquainted with investigation results of local and foreign researchers on teaching subjects in the period of study and compared efficiency indicators. We have received positive

results during tests in the higher and secondary schools. In some cases result of these experiments has satisfied us and in some cases not. Its reasons are election of subjects by pupils preparing according to groups in the upper grades in accordance with SSAC. In general, more opportunities were created both for teaching and causing to love of the subject of biology on the account of NLT. Use of these opportunities is in different levels:

Ups and downs during the progress of the experiments shown in scheme present different stages of practices by mentioning efficiency of the methods in different level auditorium and classes. It was obvious that either pupils or students are oppressed even by unchanged and repeated interesting method; digress from the issue, learning ability falls and term of memorizing decreases. In order to avoid it there is a need to draw attention of learners to the educational process by establishing problem situation with different methods. Within these opportunities pupil or student learn to define cause-and-effect relationships of facts and events, conformity to natural laws, draw an inference and make important and deep generalizations in the process of studying specially elected, ready understandable and memorable and necessary materials under the guidance of a teacher.
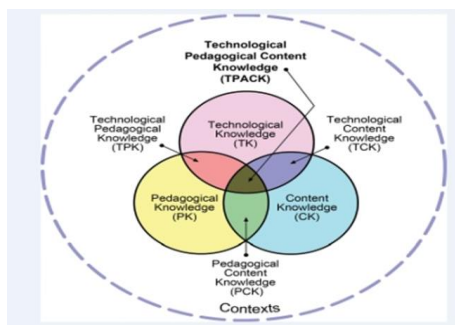
They do not only learn during this period, but also discuss independently what they have learnt and express critical opinion, analyse and come to the final decision.

Interactive training establishes condition for having relations of equal rights of teacher and learner, development of critical thinking, revealing talents and improvement of relations.

Due to formation of self-reliance of learners, personnel that are able to prove and apply their knowledge at any condition, independent-minded and self-reliable grow." It is important to develop the professional issues by the solving skill of using from information and telecommunication technologies during the teaching of students." (3) Today's student grown under these terms will be give benefits to the society. In addition, irrelevant use of internet and technology should not be the purpose; this method should play main role in the resolution of mental issues. Number of information resources on all subjects increased significantly in the last years. Biology teachers may use a lot of sites, information services created by various users (7, 8, 9, 10, 11).

During investigations we have determined that most of teachers of the school that the principal is able to use modern IC act in the direction of solution of the problems arising from requirement of new learning reform. It is true that there is a defect in each work. But fault of hard-working and lazy person differs very much. We have observed that the teachers inclined to work with new methods want to learn new things from us, but teachers preferring traditional learning have said that they do not need anybody's help and gained enough achievement using "old methods". Since use of learning technologies in the teaching of biology we have got an opportunity to hold lessons more interesting, different and with more emotion. But it is possible to gain achievement if it is carried out in order to correct and comprehensive delivery of a material. Only de-monstration of anything of learning technologies and giving simple explanations is neither motivation nor different method.

It is good that use of new learning technologies in the educational field, especially in teaching of biology will continue to be perspective. Because as constantly updated new learning technologies improve, it may bring more useful methods and means.

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