A TOOL FOR A TEACHER

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Abstract‑ Technical integration nowadays is an integral part of the teaching process, representing specific tools for solving new educational issues, which usually rise up in front of the teachers in the process of teaching. And due to this fact it is impossible to consider teaching process and modern technologies in a separate way.
It is undoubted that modern era is characterized by an increased interest towards information technologies and electronic resources. From economical and political points of view hard times suffered by our country and its population coinsides with the process of "information revolution", accompanied by introduction of computer technologies into all spheres of scientific and social life.
Reality today proves the fact that, information technologies are more and more often used in the higher education system. It is apparant that nowadays they are used not only as additional tools in sphere of education, but represent new functional rules and priorities of institutional structure in the process of higher education development.
Nowadays,information technologieshave penetratedinto almostall spheres ofeducationalfields.This fact is connected with a permanent widening of abilities of world wide web on the one hand, and makes it possible to place any important information consearning education on its vast majority of servers. On the other hand the usage of modern means of telecommunications by students/pupils in the learning process, results in creation of new forms of teaching, without which it is impossible to solve constantly increasing range of educational tasks.

Keywords – Teaching, Educatiuon

I. INTRODUCTION

ICT Research Questions

Technological literacy, technological nimbleness is the ability for identification of a concrete problem and what specific tools you need for solving it. At the same time it should also be taken into consideration that one and the same problem can be solved in different ways. The increasing sector of informational technologies develop towards to almost all directions, relate all the spheres and becoming unchangeable for the mankind. It's undoubted, that the educational sphere has been developed and using modern technologies become active in primary and secondary schools. Also the list of existing tools is thus big, that it's impossible to use all the elements at the same time. But what's the main part? School and teachers find that optimal combination, which let them give children the information effectively, also estimate them and rise up the productiveness of the teaching process.

In the process of teaching ICT we should periodically go back to and use those tools that have already been taught. Teachers should select issues and tasks of those kind, for solving of which students will need to combine tools and information technologies of different type.
The technologyis becomingan integral part ofthe pedagogy. When educational objectives are clearly defined, the place and the role of technological tools used appears to be natural and appropriate. It can be said that, the existing problem of technology integration into educational sphere, has been

turned into a greater one - realising of learning process and pedagogy in a new way.

II. Traditional Methods Of The Research

The above mentioned problem must change traditional methods, when student/ pupils had been told what to study, when, where and how. Instead of this knowledge, received by learners, must be actively constructed, and help them to feel responsibility for the quality of their own learning process.Digitalerabringsa new dimensionof learningthat requirenew skills, and above all,theskills such as networking, collaborative work andthe use ofcomputer networks. Teachersshould be wellawareof onlinetools such asblogs,wiki-systems andothers.They should be able to use them in teaching process. Involvement of students in the decision-making process is a key component of the success of the new approach. School subjects (parents, teachers, students, etc.) need to understand that school is a process, and not a place.

In Georgia and in other countries there is the whole course of the reform, which provides the classroom with technical equipment.

Today after personal computers, the most existing technical tools are interactive boards, though we have the kind of equipment that is unknown, but it's un doubtful that their integration in the process of teaching gives a great benefit.

In the process of teaching it's especially effective to use communicative technologies where visual aids, making

projects and presentations are too important. For example it'll be useful if the teacher gives students a task which requires to use a computer. This kind of tasks proves increasing students' motivation not only for having a fun, but for getting the knowledge.

To my mind the teacher's development can't be improved, if he/she doesn't own specific skills in information and communication technologies. We agree that the education received from the books is important and necessary but it requires to be developed and advanced using communication technologies.

III. ANALYSIS OF RESULTS

The survey conducted among students showed us the following results:

99% of respondents agreed that it is important for students to learn21stcentury skills. 80% of respondents agreed with the idea that children need to be taught differently today, than20years ago. 6 out of 10 respondents confirmed that, the schools today do not meet the new requirements. Respondents gave priorities to such skills, as critical thinking, ethical and social responsibility, teamwork and communication. 78% of respondents believe that the balance between basic skills and21stcenturyskills should be equally presented in the curriculum.

The pedagogical aim is exactly the same – professional development and improvement. The teacher should state the value of his/her own experience, renovate professional awareness and improve the process of her/his professional occupation. Thus, ICT has the great value and importance for the development of the teacher.

Nowadays, in Georgian schools it's actual to preface the introduction of modern methods and technologies of the teaching. To this field, the significance of teacher's activity and using ICT is very important. In view of the fact that at schools there is different vision of using technologies, teacher's work is too important here, how can he/she execute the lesson with some technology.

Technological aids must be combined clearly with the teaching goals to make a wanted result – Technology must be additional ways and not the compulsion for the teachers and students. Also teacher's role is to connect the classroom management and the suitable strategies to each other.

Analysis Of Learning Theory Principles

Within the process of ICT teaching students/pupils should often be given ability of learning new issues from one another. Teachers should know very well three fundamental principles of modern learning theory:

- ✓ Pupils enter the school for the first time with their own **vision** of how the world is arranged. If these above mentioned, initial visions of children are not considered by teachers in teaching/studying process, pupils may have difficulties in perception of new concepts and information, or they may simply study the necessary material for passing the test, but go back to their initial vision and understanding of the subject outside the school walls.

- ✓ Students/pupils have to obtain (a) a profound basis of a factual knowledge; (b) under-standing of facts and ideas in the context of a conceptual frame work; (c) knowledge, organized in a way of being easily restored and used: all this is necessary for development of **research** skills in students.

- ✓ **Meta cognitive** approach towards learning helps students/pupils to learn how to control their own learning objectives and monitoring their achievements.

Due to the curriculum, ICT is the part of the called functional teaching priorities from where teaching ICT isn't mentioned as the separate from the school disciplines.

The realization of the curriculum should be performed in each school disciplines. By this instrument it's quite possible to integrate the main school disciplines.

When the teaching process becomes boring and monotonous, students lose the motivation and as the result the process isn't functional and loses its main purpose, which conveys developing skills. Knowledge transfer and construct a new knowledge. Instead that real situations where a teacher should activate the gained knowledge and give students the new one, it's quite possible using the effective, interactive and virtual circumstances which provide students' motivation and interaction in the process of teaching.

Using instruments must be connected and based on the knowledge and skills of students. At the beginning of using ICT, student must use his/her knowledge into practice.

We must show and recognize the connection to real situations by those instruments. They must organize the collaborative activities and what is the most significant while using ICT, the student must be given less explanation, it's more effective to use the functional elements of ICT by the way of exploration. This provides the active thinking, searching skills, and by this way the development of ICT competence.

One of important sphere of teaching process, where it's possible to use ICT effectively, that is estimation.

The automatization of estimating process includes students' estimation by using standard tests. Making such tasks is possible by the software, also by using the computer program that serves doing the special tasks. They make the base of data where the tasks are kept in a structured way. Lot of software provideness let us analyze the result of estimation what is too significant for determinative estimation. On the base of analytical results a teacher can make the correction of pedagogical strategy according to strengths and weaknesses of students.

The role of parents in educational process of their children is very important, especially when the child uses and works with computers for solving some issues in learning process. Adults should protect their children, using computers at home, from their harmful influence. In families where parents control the computer usage of their children, negative results of the study have not been detected. This study confirms once again the well-known fact that, for the efficient use of computer programs, children need the assistance of adults. It is proved as well that children are not able to acquire high level cognitive skills only by means of their own affords,

without adults' assistance. It is not right to make parents care about the cognitive growth of their children. The role of schools and teachers is huge in this process, as they teach students how to use modern technologies in studying and their own self development process. That is why the correct usage of computer technologies at schools is of great importance. Otherwise, investment made in purchase of computers by the government and parents will be ineffective.

Usage of modern technologies in educational process gives us a completely new model of schools (whole new schools) and not just a model of schools +computers. If the studying process is changed only for whom modern technologies are already available, it will increase the difference between those who "have" and "have not". Technologies should be spread everywhere and they should be invisible. They should constantly be available and it should not represent any problems. These "tools of work" give possibility to everyone teachers and students perform five things better than it was done earlier, specifically: make surveys, cooperate, create and present our own works and use the network.

- ✓ **The survey -** we should teach our students to use more effectively resources held by them and become more critical users of received information.

- ✓ **Cooperation** – new technologies give us possibility of cooperation with teachers and students around the world.

- ✓ **Creation** - students should be able to create new knowledge by means of usage of information technologies.

- ✓ **Presentation** - today educational process does not represent a dialogue only between student and teacher, this is more a dialogue between a student and the whole world. For a long time schools have been represented to parents in a form of the "black boxes". Now we can invite the rest of the world and show it the way we work.

- ✓ **Network**–students need to learn the usage of the network technologies, in order to be able to communicate with the rest of the world, and to strengthen their own educational process.

What is the role of teacher in a new type of school? First of all it should be said that, the role of teacher is bigger than ever. We do not represent the source of information any more, as far as students have an opportunity to receive any kind of information through other sources. In this case, our main role, the role of teacher is to teach wisdom.

Teacher takes the role of **elder student** in the environment like that, who is active in learning process himself and at the same time helps other children to study. His main task is to facilitate online and face to face communication among students. Develop in them the desire for rising motivation towards studying; make them to plan and to be responsible for their studying process, provide them with recommendations towards activities and projects, useful and interesting for them and help them in realization of above mentioned activities and projects.

In schools of future teacher will be an important personality not only due to the knowledge he/she possesses, but due to the fact of appropriate might they be to model of a modern student. In other words, - teachers should become an "exemplary students" for pupils who are taught by them. They must teach their students how to study, mainly through their own examples and examples that are widely spread in various sources of worldwide web.

The "classroom" of the future schools might be represented in the form of **online education group**, where teachers and pupils all around the world study together, create cooperative projects, estimate each other's work, share view points, ideas, cultural values. The model of "several global teachers and students" may appear to be quite popular in educational system. According to this model, an important role will be given to parents as well, who will have an absolute opportunity to observe his child's online educational activities and in the case of necessity to join in the above mentioned activity.

IV. CONCLUSION

Thus, as a conclusion we can say, that the main characteristic features of above described model are **communication, cooperative work, sharing of the received knowledge, authentic estimation.** Some may consider it as a useless fantasy, but the modern tendencies of technological, economical and educational development, to our mind, make it clear that existing traditional model of schools does not satisfy demanding of modern society.

The 21st century teacher must be an adaptor. He must be able to educational demanding of modern school into technological atmosphere of studying process. He must be able to adapt in educational process those tools and technologies, that have been created for fulfilling various business tasks. Today we feel the lack of programs, created properly for educational needs. Teacher should also be able to adapt his own way of teaching, at the same time covering various teaching methods.

The 21st century teacher should be a visionary. Creative imagination is a key feature of the modern teacher. He should be able to connect educational process with the rest of the world, with other spheres of social life, and thus strengthen educational process itself.

The 21st century teacher should be able to use modern means of cooperation and communication, in order to make educational process more attractive. In this case his role is defined as a role of moderator, facilitator, and referee in order to be able to conduct conversations in a correct way, focus the discussion, and be the example for students.

The 21st century teacher should risk and if necessary to acknowledge the advantage of students in the use of informative technologies. Teacher should give students freedom of teaching one another.

The 21st century teacher should give his students the example of lifelong self studying process. Teacher must constantly refresh teaching materials, teaching methods and tools.

Nowadays students should possess basic skills of using computer technologies, telecommunication and software tools.

We think that informative networks (local, international) are not properly used by students and teachers for transparency of syllabuses of school subjects, for the performance of the rating works, for distance teaching/studying.

Because of the acute lack of new, modern textbooks, scientific magazines, various editions, the use of internet resources is purely effective. The Internet is the greatest tool that helps to present educational and scientific potential of university academic personnel.

The article provides a brief analytical overview of information technology development trends, challenges and opportunities in educational system, possibility of using the ICT method, the most important aspect – development of electronic and more over network education establishment linked to its internal (different content, organization model, and its maintenance), as well as intercommunication and interaction with the external problem solving process, innovations and extraordinary, socio-cultural events based on the background of traditional pedagogical practice.

Thus, within developing process of information technologies held in the world, main priorities for modern Georgia should be outlined in innovative economics and transition to information society.

It should be mentioned, that the main constituent of information technology development process is training and re-training of qualified specialists in higher educational institutions. In our conditions one of the main preventive factors of the industry of informational technology development is the lack of educational level of high school graduate.

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