A SURVEY AN EFFECTIVE USE OF INFORMATION TECHNOLOGY IN HIGH SCHOOLS

Blerim Beqiri
State University of Tetova
Republic of Kosovo

Dr. Florim Idrizi
State University of Tetova
Republic of Macedonia

ABSTRACT

What is the impact of technology and to what level the high schools in Gjilan (Kosovo) are prepared in the incorporation of various learning technologies in teaching and learning? These are two essential issues that have resulted in a significant research on the application of different technologies in education and in preparing young people to become leaders and successful in society today which is running by the internet. This paper reports on the outcomes of a survey implemented in high schools, also in this paper is presented the real situation in high schools in Gjilan using questionnaires with students and teachers. How often these technologies are used in teaching and if these schools meet requirements regarding to technology equipment, the condition of the IT cabinets, if the teachers are trained and what is the ability of students to deal with technologies.

Keywords: Technology, survey, teachers, computer.

INTRODUCTION

The modern world is this that we are seeing today, we cannot meet any random passerby who does not check his mobile device, referring to this we can say that technology has occupied the attention of everyone. Today technology plays a major role in our lives, even in school matters. Since most schools today in Kosovo are planning to integrate technology while making it part of the educational system. With the use of computers in schools in recent years, it resulted with impact on new conditions for best innovation of educational technology. Technology helps teachers to fulfill the expectations of education in modern schools today. Teachers and students attitudes play an important role in using technology in teaching and learning. The development of teaching through multimedia contents exist long time ago, but the term multimedia learning is something new on categorizing teaching in pedagogical aspect.

LITERATURE REVIEW

The technology become an inseparable part of modern schools today, where it is used as a source of materials and projects by students and teachers, while not feeling the limitations of working space and time, which was increasingly confronted in traditional teaching. This technology is being implemented in almost all educational courses, not just IT, teachers and students are using in their independent research, as well in finding different information. Internet significantly increases the activity of students within the school in the educational process. Computers today have a key role in educating young people, but surprisingly still have doubts that virtual reality is an important contribution to the education of new generations.

There are contradictions between teachers concerning that which material is best on teaching, books or internet. Of course correct answer regarding to this question doesn't exist, but one thing is certain, the best material for students is that one which is more interesting, more intuitive and familiar to them. Liked or not to accept this reality, first thing that students do after school is surfing the internet than reading books.

METHODOLOGY

The survey conducted in Gjilan municipality (Kosovo), especially in 6 high schools (5360 students and 317 teachers). The surveying began in November and ended in December 2014, when the author interviewed 150 students and 60 teachers.

Research goals

The main goals of this research are:
- how students evaluate the use of technology in education,
- how teachers evaluate the use of technology in education,
- what are the technical conditions within schools in order to enable the use of technology in teaching,
- at what level technology is involved in teaching and learning.

RESULT AND DISCUSSION
Student's opinion about the use of technology in schools

To the students were given a questionnaire with questions about computer usage while on school. The following questions were asked:

Q1: Do you use computer in school?

Most of the students declared that they do not use the computer at school, and there are some who use only during information-technology subject. See the graph below:
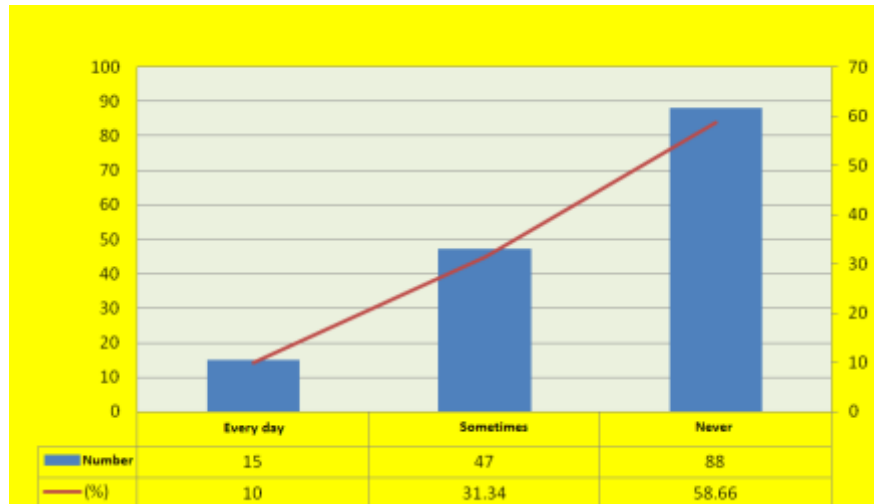

	Yes	No
Number	55	95
(%)	36.66	63.34

Graph 1: Number of students who use the computer at school according to the graph 1:

- 63.34% of students declared that they do not use the computer at school,
- 36.66% of students declared that they use the computer at school.

Q2: Do you use computer to communicate with your teacher?

Student-teacher communication via internet is a very important factor in modern schools, since it is the easiest way for receiving consultations, suggestions, tasks, different materials, etc. A small number of students use internet technology to communicate with their teachers. More specifically see the graph below:
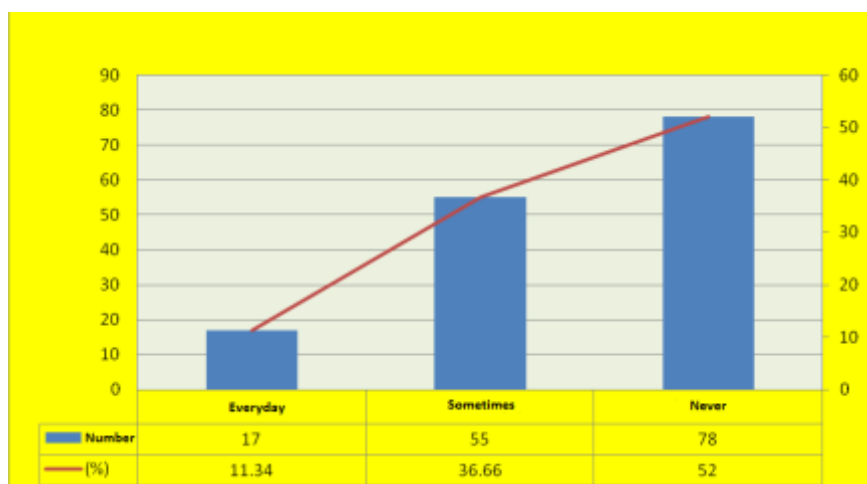

Graph 2: Number of students who use the technology to communicate with their teachers

According to the graph 2:

- 10% of students regularly communicate with their teachers,
- 31.34% of the students communicate with their teachers sometimes,
- 58.66 10% of students do not communicate at all with their teachers.

Q3: Do you use the computer to perform your tasks?

There are a small number of students who use the computer every time to perform their duties. For more we refer to the graph below:
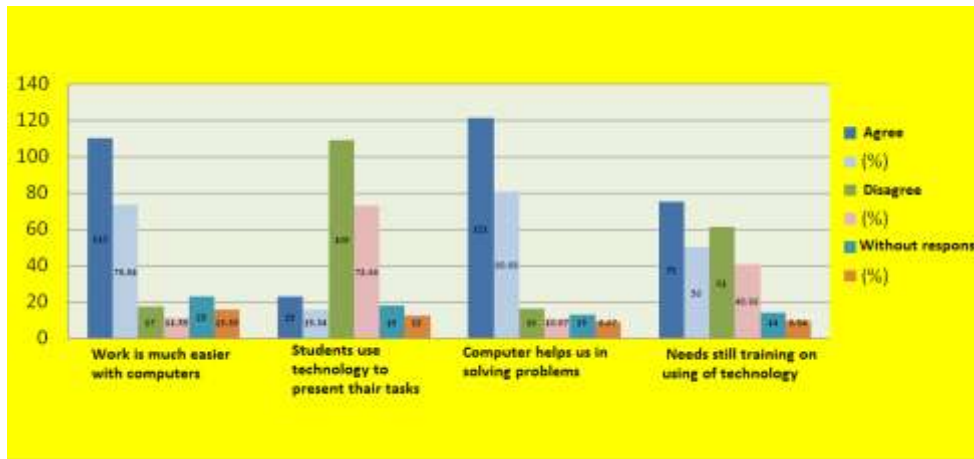

Graph 3: Students using technology to perform their duty according to the graph 3:
- 11.34% of students use the computer every day to perform their duties,

- 36.66% of students use the computer sometimes to perform their duties,
- 52% of students never use the computer to perform their duties.
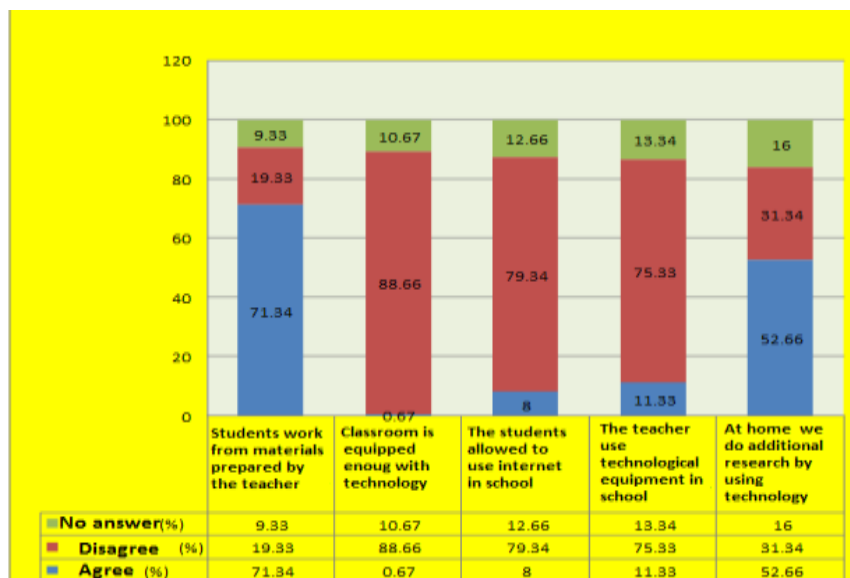
Q4: What is opinion about using technology in the school?

The following two graphs show the opinions of the students about the use of technology in schools:

Graph 4a: Student's opinion about technology in school according to the graph 4a:

- 73.34% of students think that the computer makes the job easier at school,
- 15.34% of students declared that they use technology in the presentation of their duties,
- 80.66% of students agreed that the computer plays a major role in terms of learning material,
- 50% of them should be advanced more on using of technology.

	Students work from materials prepared by the teacher	Classroom is equipped enoug with technology	The students allowed to use internet in school	The teacher use technological equipment in school	At home we do additional research by using technology
No answer(%)	9.33	10.67	12.66	13.34	16
Disagree (%)	19.33	88.66	79.34	75.33	31.34
Agree (%)	71.34	0.67	8	11.33	52.66

Graph 4b: Student's opinion about technology in school according to graph 4b:

- 88.66% of students stated that they do not agree that their schools are sufficiently equipped with technology,
- 79.34% of students stated that they were not able to use the internet at school,

- 11.33% of students stated that their teachers use technology in teaching,
- 52.66% of students do additional research at home using the internet about their lessons.

Teachers opinion about the use of technology in schools

To the teachers were given a questionnaire with questions about computer usage while teaching in school. The following questions were asked:

Q1: What of technologies are you using to perform teaching?

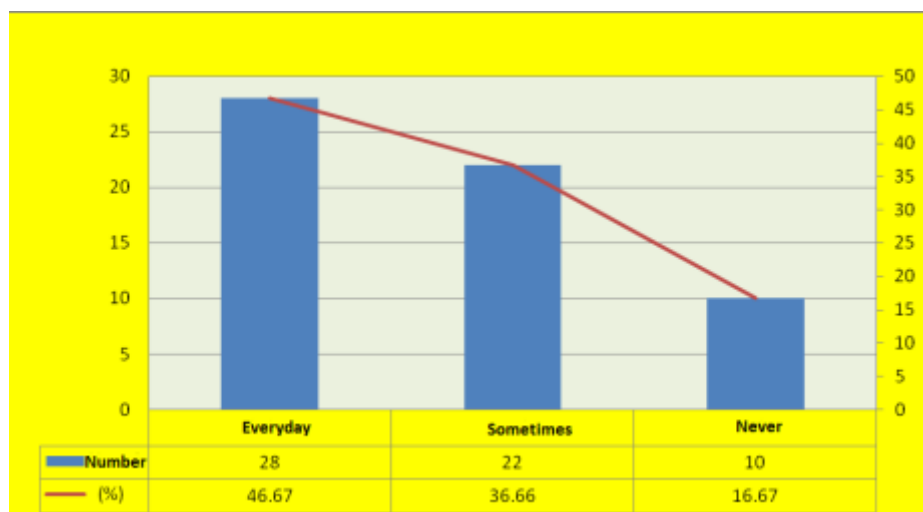Teachers use different technologies in teaching, such as those described in the graph:

Graph 5: Technologies used in teaching by teachers

The graph 5 shows that teachers use more MS Word and MS PowerPoint in teaching, and less other technologies:

- 41.66% of teachers said that they use MS PowerPoint in teaching,
- 33.34% of teachers said that they use MS Word in teaching,
- 8.55% of teachers said that they use MS Excel,
- 8.55% of teachers stated that they use multimedia in teaching,
- 8.34% of teachers stated that the use internet technology in teaching.

Q2: How often do you use the computer to perform your duties?

Regarding the use of computers to prepare lessons, monthly and yearly plans, we collect the following data as it shown in the graph:

Graph 6: How much teachers use technology while performing their duty according to the graph 6:

- 46.67% of teachers declared that they use always technology while performing their duties,
- 22% of teachers declared that they use sometimes technology while performing their duties,
- 10% of teachers declared that they never use technology while performing their duties.

Q3: Have you completed training about the use of technology?

What is the number of the teachers who have finished ECDL (European Computer Driving License) training, which is organized by Ministry of Education and AUK (American University of Kosovo)? See the following graph:
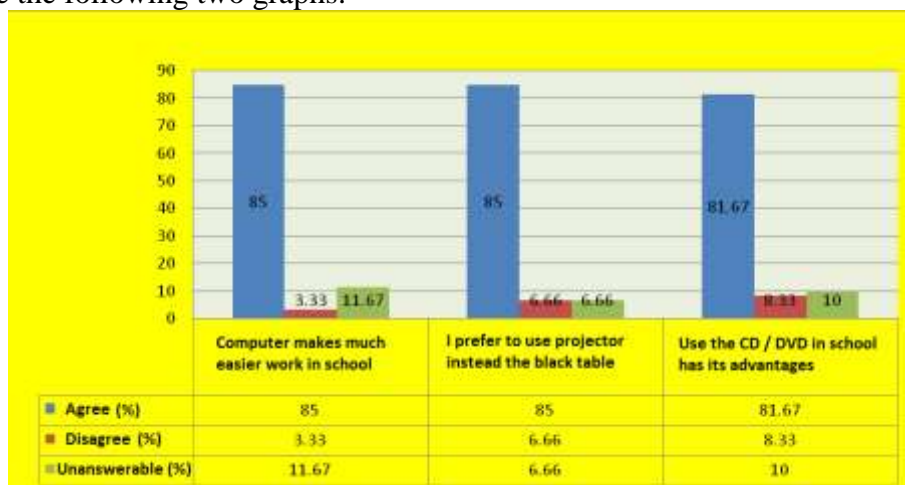

Graph 7: Teachers who conducted ECDL training according to the graph 7:
- 90% of teachers have finished ECDL training,
- 10% of teachers didn't finished ECDL training.

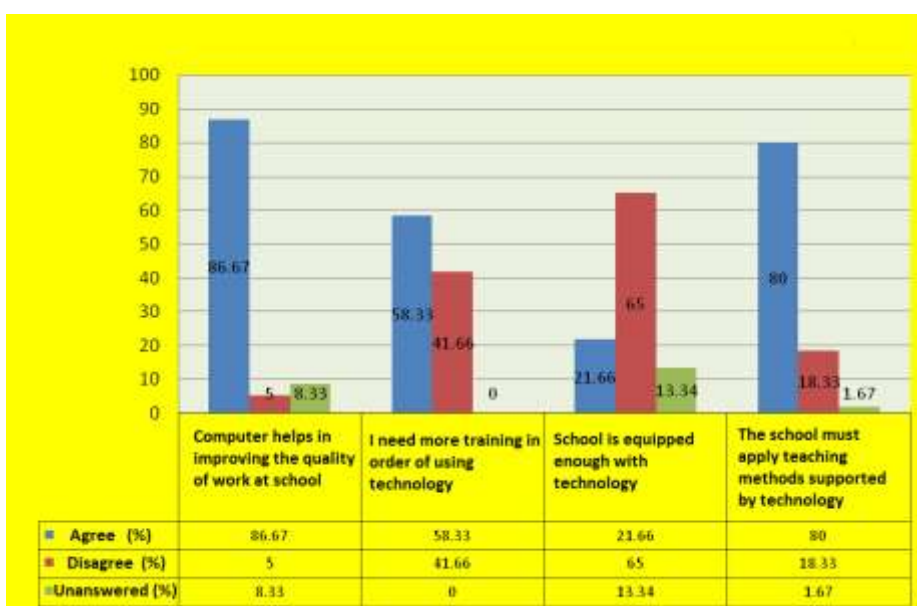**Q4: What is your opinion about using technology in the school?**
Teachers have different opinions about the use of technology in schools. But the results show that the majority (over 80%) have similar opinions regarding the use of technology in

teaching and those opinions are in line with opinions of their colleagues from the European Union. See the following two graphs:

Graph 8a: Teacher's opinion about use of technology in teaching according to the graph 8a:

- 85% of teachers stated that the computer makes the job easier at school,
- 85% of teachers stated that they prefer to use projector instead the black table,
- 81.67% of teachers stated that the use of multimedia through DVD/CD presents advantage in teaching.

Graph 8b: Teacher's opinion about use of technology in teaching according to graph 8b:
- 86.67% of teachers stated that computer improves the quality of education in schools,
- 58.33% of teachers stated that they need more training in order of using technology,
- 21.66% of the teachers stated that the schools are equipped enough with technology,
- 80% of teachers said they should apply teaching methods based in technology.

CONCLUSIONS

This research presents real situation about the use and incorporation of modern technology in teaching and learning in high schools in Gjilan municipality. Application of technology in schools is a very important factor in the transformation of classical to modern schools.

Based on the research conducted, are identified negative sides, such as:

- domination of the classic way of teaching,
- computers are still locked in IT labs,
- schools are not provided with technology coordinators,
- lack of lap-tops and projectors in classrooms,
- lack of internet in classrooms and labs.

Some of the recommendations which simultaneously represent the standard of schools run by the communications and information technology are:

- each school should have access to the internet, also the quality and sustainability of the service need to be increase,
- at home should be parents who control the technology, while teachers should teach students how to use the technology, not to abuse.
- students need to use the computer as a technological tool integrated into learning, not only on the case of IT, but also in the other subjects,
- teachers must participate in various conferences where the topic is application of technology and modern methods in schools.

ACKNOWLEDGEMENTS

REFERENCES

[1] Howard, P., Elizabeth, R.H., Matt, K. & Kim, M. (2007) *Using Technology with classroom instruction that works*. USA
[2] Musai, B. (2003) *Metodologji e mësimdhënies*. Tiranë
[3] Dalipi, F. (2013) *Teknologjia informatike komunikuse në arsim*. Shkup
[4] Elizabeta, B. (2011) *Këshilla praktike për shkrimin e rezultateve të mësimit*. Manastir
[5] Memushi, L. (2003) *Reformimi i shkollës – proces dhe strategji*. Tiranë.
[6] http://te886.pbworks.com/f/Tech%2Bin%2Bthe%2BClassroom.pdf
[7] http://www.scribd.com/doc/122335798/Kompjuteri-ne-shkolle
[8] http://www.giz.de/expertise/downloads/giz2013-alb-seminari-7.pdf
[9] http://www.mfa-ks.net/repository/docs/STIKK_raport_alb_2013_short_web.pdf