# ICT and its impact on senior students at the baccalaureate level

Dr. Gilberto Mejía Salazar[1]

*[1]Professor at the Autonomous University of Nayarit, Mexico*

## ABSTRACT

*The following research aims to know the impact generated by ICT in older students during their educational process. It is worth mentioning that to achieve the objective we used a survey that is made up of eight variables, applied to a sample of 50 students that presents an average age of 30 to 60 years, for the different grades of the high school. It should be mentioned that the information collected was processed in frequency tables in the statistical program SPSS ver. 23. It should be noted that ICT is important because it helps us to improve aspects related to school, work, leisure activities, and social activities, more quickly. Thus, it is understood that they are indispensable tools in all aspects of daily life.*

**Keyword:** *ICT, Seniors, Education, Internet, Technological tool*

## 1. INTRODUCTION

Certainly, more than a decade ago, Mexicans have seen the birth and development of various information and communication technologies and almost instantaneously have become part of the daily activities of people [1].

It is necessary to emphasize that technological change is occurring at such a speed that it is demanding that citizens develop an ability to assimilate and adapt to unprecedented changes [2].

From the above, we must bear in mind that older students when learning new technologies prefer activities in which they can interact with peers, especially if they are linked to issues of daily life, compared to the mere theoretical content [3].

Therefore, the following research has as main objective to know the impact generated by ICT in older students during their educational process. Also, through the use and knowledge of ICT, you can learn what you want without any limit, it is a practical and simple way to access truthful and timely information. Thus, they are indispensable tools in all aspects of daily life.

## 2. LITERATURE REVIEW

Learning to use ICT, from the use of the keyboard and mouse, the word processor, access to the Internet, to photography or digital video among other applications, implies being in an enriched space and in a rich environment of stimuli, that supposes a rich intellectual activity, social contact and improvement of the self-esteem [4].

Likewise, when an older person overcomes the barrier posed by the challenge of managing a computer or a telephone, he or she uses it fluently, just like any other citizen. It will always require time for adaptation, as well as the necessary training to acquire greater security [5].

From the above, ICT allows older people to increase and improve their individual and social development, as well as to optimize their quality of life from the technical, economic, political and cultural points of view [6].

Thus, the education of older students also becomes an interesting opportunity to generate reflection and learning processes, which allow us to advance in the didactic training of teachers of said programs [7].

### 3. METHODOLOGY

Therefore, the objective of this study is to know the impact generated by ICT in older students during their educational process. From the above, the following study is quantitative and was developed with the survey, it should be noted that the survey is made up of eight variables, applied to a sample of 50 students with an average age of 30 to 60 years, for the different grades of the high school. It should be mentioned that the information collected was processed in frequency tables in the statistical program SPSS ver. 23, where the final results are presented in graphs.

### 4. RESULT

Then, the data presented show that, within the school institution the ages of the students are the following, with 52% an age of 30 years, 44% with 40 years, 2% with 50 years and finally 2% presents an age of 60 years or more, as shown in Figure 1.
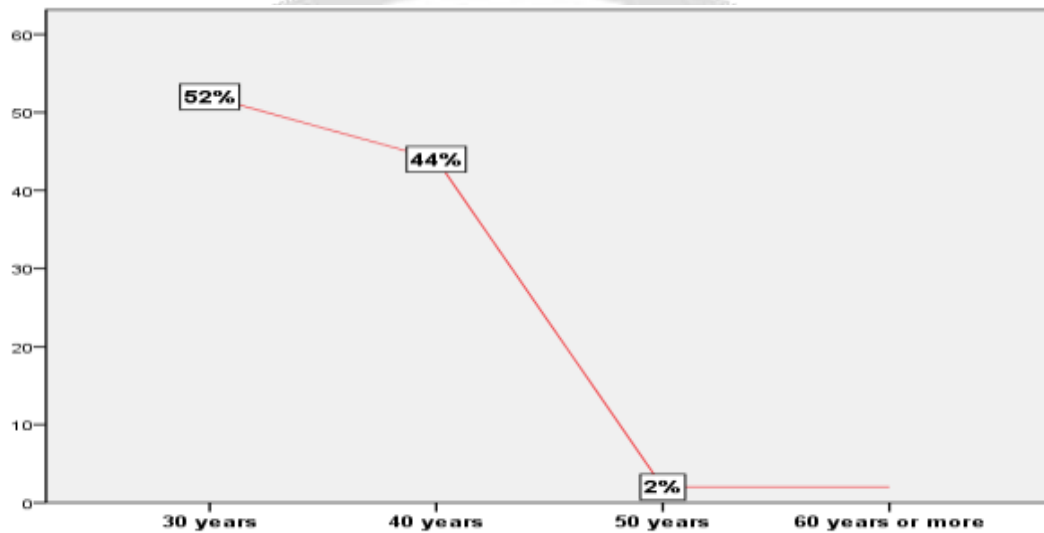


**Fig -1:** Age of students within the school institution

In the same way, the type of sex of the surveyed students is presented, and we have that 32% are male, while 68% are female, and we can see a higher percentage of female people who do use of ICT, as shown in Figure 2.



**Fig -2:** What is your sex?

Therefore, the students were asked: With what kind of technological equipment do you count? 48% answered that they have a desktop computer, 28% with a Notebook, 16% use the mobile / smartphone, and the other 8 % uses another type of technological equipment, as shown in Figure 3.
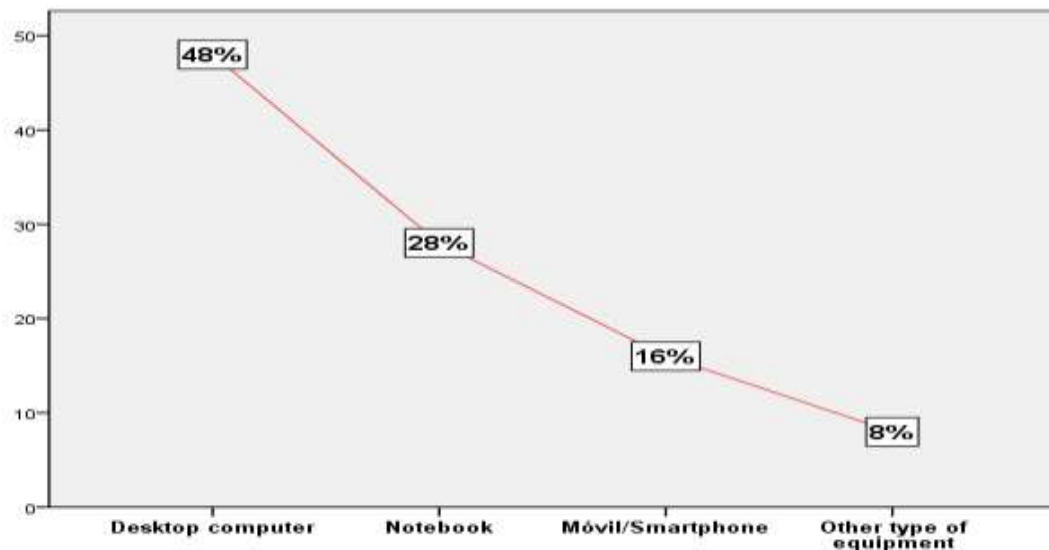


**Fig -3:** With what kind of technological equipment does it count?

According to the following question: How often have you used a computer during your studies? 32% every day, 20% once a week, 42% two to three times a week, 4% monthly, and 2 % rarely, as seen in figure 4.



**Fig -4:** How often have you used a computer during your studies?

Also, the students were asked: Do they have access to the Internet within the school? 80% answered that if they have access to the Internet, and 20% answered that they do not have access, as shown in Figure 5.
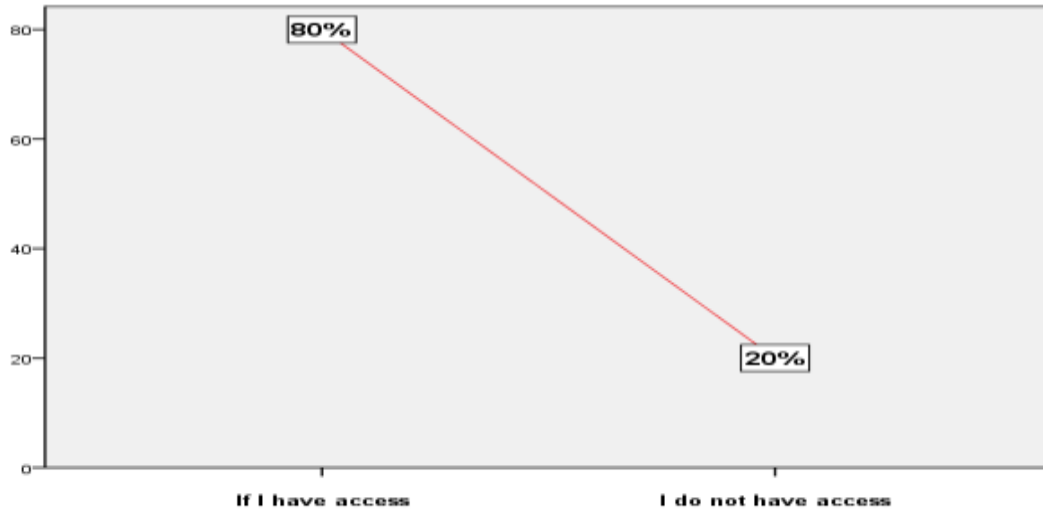
**Fig -5:** Do you have Internet access inside the school?

In this way, students were asked How many hours a week do they connect to the Internet? The results are the following, with 38% less than two hours, 24% three hours, 18% six hours, 12% more than ten hours, and 8% do not know, as can be seen in figure 6.



**Fig -6:** How many hours a week do you connect to the Internet?

So, the students were asked: Have you downloaded and used the electronic resources available on the Internet? 44% replied that occasionally, 34% constantly, 6% very constant, 16% never, as shown in Figure 7.
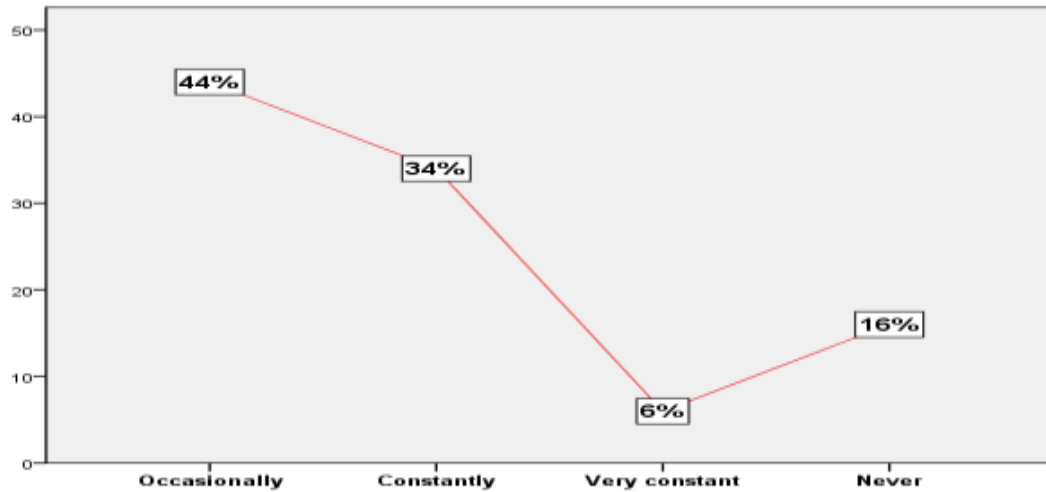
**Fig -7**: Have you downloaded and used the electronic resources available on the Internet?

Finally, it was asked Can you indicate how important ICT are in daily life? The results are the following, 20% currently all operate on technologies, 26% disseminate learning and knowledge, 6% training and own benefit, 16 % as working tools and information search, 10% to easily develop school activities, and 22% do not know and / or do not answer, as shown in Figure 8.
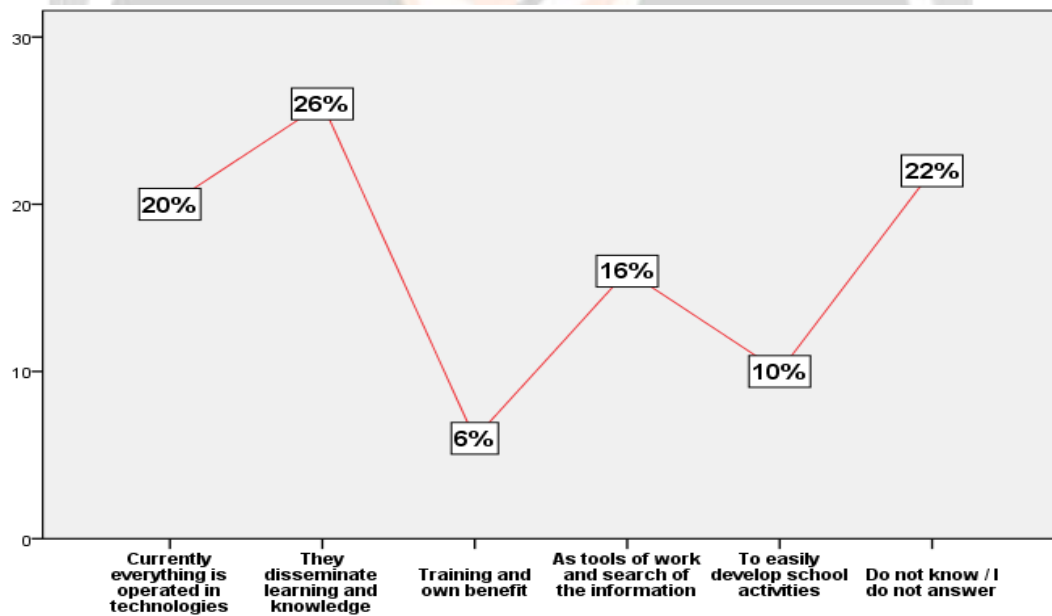


**Fig -8:** Can you indicate how important ICT are in daily life?

## 5. CONCLUSION

It can be concluded that older students make use of the tools and services provided by the vast computer network, and we observe the impact that ICT generates on these people, both in their educational process and in the

perception of them. It is worth mentioning that nowadays everything is based on technologies and it is necessary to be updated.

Likewise, it is appreciated that most students at least have a computer or other type of technological equipment, to be able to perform these activities inside and outside the school, so, this type of technology supports the performance of students and to daily learning, as well as to the search for information. It is true that, with technology in favor, it is easier to report on advances within society.

It should be noted that ICT is important because it helps us to improve aspects related to school, work, leisure activities, and social activities, more quickly. Below are some of the opinions given by the students surveyed:

*"ICT are important because they facilitate learning" ...*
*"We have access to information quickly" ...*
*"You can find all the information we are looking for in reliable pages" ...*
*"All information is through technology both send and receive information" ...*

Finally, through the use and knowledge of ICT, you can learn what you want without any limit, it is a practical and simple way to access accurate and timely information. Thus, they are indispensable tools in all aspects of daily life.

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