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**The Role of New Technology in Developing Language  
Skills**

Case study License Degree Students of English at Dr. Moulay  
Tahar University-saida

A Thesis Submitted in Partial Fulfillment for the Requirement of the  
Master Degree in Didactics

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## *Dedications*

*Before everything else, I would thank ALLAH for giving me patient and power to achieve this work.*

*I want to dedicate my work to my dearest father Aïssa and my lovely mother Mimouna, as supporters of my life and studies This is the simple way to express my gratitude to them and I wish that I did my best to be at the level of their expectations. Thank you again and again.....*

*I dedicate also to my dearest brothers and my lovely sisters who support me every time.*

*As well as, to my best friends who share with me happy and sad moments: Kaltoma Nouari and Fouzia Fellouli. saïda bellil.*

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## **List of Acronyms**

AVAs: Audio Visual Aids

BC: Before Christ

CALL: Computer Assisted Language Learning

CD: Compact Disk

DVD: Digital Versatile Disc

ELL: English Language Learners

ICT: Internet Communication Technology

LAN: Local Area Net work

MP3: Moving Picture 3

PPT: Power Point

PC: Personal Computer

RMI: Magnetic Resonance Imaging

ROM: Read Only Memory

TEFL: Teaching English Language as Foreign Language

## **Abstract**

Nowadays, our life is highly affected by the use of new technology. It plays a great role in today's human society development. Based on this fact, the new technology it is very helpful and provide support to the learners for acquiring the English language. This research attempted to shed a spot of light on the association and relationship between new technology and language. More specifically focus on the impact of new technology in the development of language skills. The research attempted to figure out if this impact is a positive, or a negative one. Via the use of questionnaire; and by targeting the English department students from the three levels (first year, second year, third year) who represent the young generation that are so easily influenced by the new technology , the impact is clearly shown on them. Also a questionnaire was addressed for the English teachers of Dr.Moulay Tahar University, Saida. The results of the field of investigation indicate that new technology has become an essential part in the students' and teachers' lives, whether they use it for entertainment or for knowledge. Certain new technology replaced the status of books and black board and has become a necessity in life.

**Key Words:** new technology, language skills, advantages, disadvantages.

# General introduction

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## General introduction

In the last century, language teaching came into its own as proficiency because it is extremely demanded. It is the applied of the proverbs who said “who learn language of another people, fire escape». This later pushed many countries to teach foreign languages addition to the mother language.

English language has a huge spread all over the world; it is considered the language of science and technology. This later raises the need to know this international language and how to speak and write fluently this language. Teaching English as a foreign language is highly important in nowadays life in general and in our learning in particular. Therefore, teaching English as second language and foreign language in our country Algerian take a great part between people and it is aware of the fundamental needs of this language.

During the last few years, the world has observed a phenomenal growth of new technology and wide use of these new technological tools in different domains of life, education was one of these fields, the convergence of new technology and education system has created a lot of methods and techniques of teaching and learning process. Many studies agree that the new technology tools enhance the capacity of learners and facilitate the job of teachers.

The purpose of the research is to explore the role of new technology in developing and improve the skills of English language as a foreign language. How does new technology impact the English language? Is technology influencing the four skills of English language in a positive or a negative manner?

On the ground of the previous research questions, it was hypothesized that:

If the new technology tools used in the teaching and the learning process, students' retention and understanding will improve.

The new technology influences the four skills of English language positively.

The new technology influences the four skills of English language negatively.

In order to get reliable results and effective information, the required process of a scientific research was implemented. The research we mainly based on a questionnaire as a means of investigation because it is the most suitable tool for a similar research. Two forms of questionnaires was prepared, the first one is addressed to the English students of the University of Dr.Moulay Tahar , Saida.Our aim is to spot light on their opinions toward the importance of new technology in developing

## General introduction

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the language skills. Whereas, the second form of questionnaire is addressed to the teachers of the English language at Dr.Moulay Tahar University. Further goals are to see their attitudes towards new technology.

In addition, our study was divided in three main chapters. The first chapter mainly focuses on the on technology and an attempt to define clearly what technology is, and the history of new technology through time. Besides, this chapter goes further and deeper to include and explore the relationship between language and new technology and the integration of new technology in teaching and learning. The second chapter seeks to explore the advantages and the disadvantages of new technology in developing the language skills, and spot light on the challenges that face teachers and students when using new technology. We also demonstrate the role of teachers and students while the integration of new technology in the learning and teaching processes.

The third chapter is very essential since it concerns conducting an investigation via the use of the questionnaire in order to establish definite answers and views, which would help the research, discover how the impact that new technology has on language skills is. This part deals with the questionnaires' results of both students and teachers of the University Dr.Moulay Tahar –Saida-(at the English department).

After the analysis of the results, the new technology is a double edge weapon, it can be used to develop the person or to kill its drive and talent, and it is the individual's responsibility to choose how he would like to be affected by it.

This study has encountered difficulties and pitfalls such as: lack of time, lack of references in the library .and the students are not honest in giving their answers.

## 1.1. Introduction

Globalization it is the spread of the technologies all over the world .the technologies makes the world as a small village. It became very important; it takes place in our life and has great impact. It makes everything facile. However; technology involves physical process applied science that can be incorporated into a project.

In this chapter, we open it by the theoretical side of this study. We define the term technology. Then we deal with the historical back ground of technology and we also mention its types and the role of this new innovation in our daily life. In addition, we speak about the definition of language and skill and also the language skills.

Finally, we highlight on the relation between language and technology and the integration of technology in learning and teaching and the reason behind the integrating of it in teaching and learning. We showed the types of technology in classroom.

## 1.2. Definition of Technology

Technology is a Greek word. It composes from two main parts which are “Techno” which means science. And “Logos” it means art skills. It is a consistence set of knowledge and applications in the technique domain, which applied in specific function for specific purpose.

Dictionary defines the word technology as the study and the use of science for practical tasks in industry, business...etc.

There are many writers and philosophers define technology in deferent ways. The technology divided into components physical components and abstract components which are the main components of technology according to kumar et al (1999)

*“Technology consists of two primary components:*

- a) A physical component which comprises of items such as products, tooling, equipment, blueprints, techniques, and process.*
- b) The informational components which consists of know-how in management, marketing, production quality, control, reliability, skilled labor and functional areas.”*

Technology it is an abstract notion that is very complex to understand and to deduce. Furthermore, it is difficult to interpret and evaluate .some scholars associated the definition of

technology with the definition of knowledge they said that in order to define the term technology we need to define the knowledge which is an conceptual things that happen in our minds and the concrete things which is the realization of our thoughts and ideas in real world.

According to Lan and Young argued that technology is always connected with obtaining certain result or solving such problem and completing certain tasks through using particular skills and employing knowledge.

Moreover technology it refers to the application of science or knowledge in different field to solve problems and to develop the quality and the quantity of the products.

On the other side Burgelman et al (1996) claimed that technology refer to the theoretical and the practical of knowledge, skills and artifacts which can be used to develop and services as well as their production and delivery system.

As well as Technology it is the several things like machines, tools devices; that human being create to make his life easily. It has strong relation with knowledge. Knowledge is the stimuli of the invention of technologies. Because when technological product is transferred or diffused. The knowledge upon which its composition is based is also diffused.

Robert Anger (2010) write in his article “technological forecasting and social change

*“That technology is what separates as from every other creature on earth. After all, the best chimpanzees can do on this front is to use small stones to break nuts open on large stone. Where as we built skyscrapers and rocket to the moon. Indeed; it seems blindingly obvious if one just looks around and modern city. While thinking of the chimpanzees’ forest habitat that technology what separates us from the rest creation.”*

The meaning of technology has undergone a revolution over the last two centuries .although the term use was familiar in Germany (technologie) in the last Colonial Era. It came into limited use in English only as the American economy was beginning to industrialize.

In 1829 Harvard professor Jakob Bigelow entitled his treatise” on the application of the sciences to the useful art elements of technology “he sought the word technology as a “sufficiently expressive” word for his subject and “practical men” were employing it. However; its use was confined mainly to technical manuals or to the names of new institutes of technology. Most Americans favored the all- encompassing phrase “the useful arts” or the narrower mechanical arts”

On the other side technology came into currency in its modern sense in the earliest twentieth century popularized by Thorstein Veblen in the 1920s a 1930s, debates about technological employment, it was understood in anthropological sense as useful knowledge but confined to the largely male preserves of industry and engineering.

Technology (“science of craft”, from Greek, *techne*, “art, skill, cunning of hand, and *logia*) is the collection of techniques, skills, methods and processes used in the production of goods or services or in the accomplishment of objectives, such as scientific investigation. Technology can be the knowledge of techniques, processes and the like, or it can be embedded in machines which can be operated without detailed knowledge of their workings.

### 1.3. Historical Back Ground of Technology

One of the most important developments of humankind has been technology. The history of human technology has been passing through different periods.

**1.3.1. Use of tools:** The need is the mother of the invention. When the early human want to scraping and cutting something, he started thinking about something that can help him. And he began shaping tools which easing the burden of his life.

**1.3.2. Stone tools from 2,5million years ago:** the human discovery that round Nodules of flint can be split and chipped to form a sharp edge is extremely ancient .tools made in this way have been found in Africa from about 2, 5 million years ago (the earliest knew examples have been discovered at Gona in the Awash Valley in Ethiopia). Moreover through time many techniques are developed for striking off slivers of stone.

**1.3.3. Fire from 500, 000years ago:** the fire it was an important event in the development of technology in the life of human kind. Some experts believe that the use of fire appear in the South Africa. And the others believe that the invention of fire happens some 500,000 years.

**1.3.4. Neolithic technology from 8000BC:** the Neolithic period has relation with the stone ages. This period characterized by the discovery of pottery, textiles, also the introduction of copper and bronze. Moreover , the use of bricks considered as an innovation in that time, the Mesopotamian and the Egyptian civilization were use the bricks in their building.

Another Neolithic technology appeared at this period was spinning which is the process for all textiles of cotton, linen, silk or wool. The earliest human use spinning to make cloth that protects him from hot and cold.



**1.3.5. Loom from 6000BC:** loom used during weaving of cloth. The earliest appearance of the loom in Egypt was in about 4400BC. Also the weaving appears in Egypt from about 5000BC.

**1.3.6. First miners from 4000BC:** the earth's treasures is like copper ore, iron, silver...etc. The human benefit from these treasures and excavated and use it in their daily life.

**1.3.7. Yoke and harness from about 4000 BC:** the early human was very interested by agriculture he was dependably on it. The main technological advance in the domain of agriculture was the harnessing of draught animals. The earliest human used the ox as the first to be harnessed by about 4000 BC. In Asia and North Africa they used the camel for draving wagons and for ploughing. They also used the horse. but horse is not very effectively used as draught animals. in the 5<sup>th</sup> century AD in China was provide a firm collar fitting round the neck a shoulders of animals to distribute the weight. This kind of collar enabling the horse to became the main draught animals.

**1.3.8. Plough and draught animals from 3000BC:** the Egyptian and Mesopotamian civilization were the first that are undertaken the ploughing. A plough can be halling by a couple of men. But the use of draught animals such as oxen that contribute in the speed up of the process. In northern Europe, the soil is not like the Egypt and Mesopotamia soil which is light soil. It is heavier soil. So this type of plough is ineffective. The Celts was in the 1<sup>st</sup> century BC. They are developed a more elaborate machine that helps them in ploughing.

**1.3.9. Potter's wheel from 3000 BC:** the potter's wheel used when a human made up a pot in order to give the pot a round shape. In Mesopotamian civilization by about 3000 BC the wheel was a part of the potter's equipments.

Moreover, the wheel it considered an important advance in early technology. The potter's wheel and the wheel was approximately appear in the same period around 3000BC. a wagon wheel in the early technology was made from wood.

**1.3.10. Industrial revolution (1750-1850):** it aroused in England. It was considered as crucial zig in the history of technology. It means the scientific and the technique changes and development that Europe knew during the middle of the 18 century and the 19 centuries. it

included the production means. The industrial revolution discriminated by the invention of vapor machine which is considered an important invention.

The advance of technology still continuant and the invention of different means that facilitate the human life is developed which open the door to all societies to acquaintanceship and exchange of ideas .like the invention of telegraph in 1843 and telephone in1876, radio in1921 and television in1939, computer in1951.....

#### **1.4. Types of Technology**

We use technology in order to achieve some specific purposes in our every day live. Technology involves specific pieces of simple or complex equipments. However; there are much type of technology such as mechanical technology, electronic technology, industrial and manufacturing technology, medical technology and communication technology.

**1.4.1. Mechanical technology:** mechanical technology includes things that allow motion in one direction to cause a different kind of motion. It involves wheels which is one of the most important technological advances in the world. It involves also levers, gears, belts and engines

**1.4.2. Electronic technology:** it called electronic technology due to the use of electric circuit to achieve a goal. It also refers to anything that runs on electricity. Electronic technology includes computer, washing machine, dryers, MP3 player, car radio, television.....etc

**1.4.3. Industrial and manufacturing technology:** it is technology of producing and product on a large scale or performing another large scale function where are not directly present.

**1.4.4. Medical technology:** it refers to the technology that serves the purpose of diagnosing treating or preventing disease like the MRI Scanner, ventilators or simply drugs and medicine that people take in order to be better.

**1.4.5.Communication technology :** it involves all communication technologies from the earliest one telegraph until the telephone , cell phone , communication satellite and what is considered one of the most communication technology spread on over the world on the last 50 years which is the internet.

**1.5. Role of Technology in our Daily Life:** technology is very important in our life. It conquered the domain of life such as economic, agriculture, health, education and so on.

Technology makes everything easier because it provides simple access to information, with technology the information stored in various storage devices like CD, DVD, and computer and eliminates the bulkiness associated with paper work. It also encourages innovation and creation in society.

Furthermore, it allows people to communicate with others from any part of the world with the mobile phone and email, messaging, social net working. Technology makes the advancement of transport like the electronic trains, airplanes which provide easier and comfortable travel and moving to long distance within a short period of time .however, technology became necessary and indispensable for businesses it allows business to reach customers across the world and customers also became able to demand product online.

Technology enhances the health of human being due to the production of drugs and electronic equipments that increase human life chances. It also increases the production and quality of many products. It helps companies in managing changes in operation; companies have reduced costs by making a revision of business process and removing action that customers find it less valuable. Therefore technology solves many mankind problems and life without technology it is meaningless. Furthermore the technology plays an important role in the domain of education like the other domains.

The importance of technology in education develops year after year. And the use of technology in education give value and appropriateness, and the quality of education it became better also it enrich and enhance the educational system because the technology provides tools and devices that aids the teachers and learners to achieve good results and gain times .the technology help people to acquire new and foreign languages without the trouble of move from country to another country to know the target language and make them speak the foreign languages fluently.

**1.6. Definition of Language:** language is used by human being in order to express themselves. And it is tool of communication; the ancient Greek scholars were the first who studied language.

According to Aristotle's definition of language he said that only human being has the ability to use language to indicate the beneficial and the harmful, the right and wrong. While the other animals can emit only voices to indicate pain and pleasant things. This means that language is abstract thing that discriminate human from the others creators.

Ferdinand de Saussure the French linguist (1916) distinguish between language (langue) and speech (parole), he define language as "language is a well-defined object in the heterogeneous mass of speech facts, it can be localized in the limited segment of the speaking circuit where an auditory image becomes associated with a concept .....it is a system of signs in which the only essential thing is the union of meaning and sound-images and which both parts of the sign are psychological "

All though, Naom chomsky(1957) define language to be a set of (finite or infinite) of sentences each finite in length constructed out of a finite set of elements. As a reaction to the linguist Noam Chomsky a new linguist who is Edward Sapir (1921) define the language from his point of view as a purely human and non instinctive method of communication ,ideas, emotions and desires by means of voluntarily produced symbols.

He added also that language consists of a particular symbolic relation –physiologically an arbitrary one –between all possible elements of consciousness on the one hand and certain selected elements localized in auditory, motors, and other cerebral nervous tracts on the other. Furthermore, B.Bloch and G.Trager (1942) argued that language is a system of arbitrary vocal symbols by means of which asocial group cooperate

Many philosophers and linguist interest to the study of language and considered it as a science which is called linguistic. And each nation has its language .also language changed over time words disappear and replaced by new words which is convoy to the development of the world.

In the book of psychology : themes and variation wrote by Wayn Weiten (2007) said that language consists of symbols that convey meaning, plus rules for combining those symbols, that can be used to generate an infinite variety of message "

Moreover; E, Bruce Goldstein(2008) write that "we can define language as a system of communication using sounds or symbols that enables us to express feelings , thoughts , ideas, and experience"

From the above definition of language we can say that language has several features and characteristics which are:

Language is systematic because it is a system of sound and a system of meaning.

Language is symbolic because it based on signs which are categorized in three major types:

Icon it is an object and its sign that related to each other by physical resemblance

Index it is an object and its sign which are associated to each other by physical proximity

Symbol it is a sign and the object it signifies are associated by social convention

Arbitrariness means that the form of linguistic signs is bear and no natural resemblance to their meaning. The link between them is a matter of convention.

Language is primarily vocal because the primary medium of language is sounds. All language use sounds

Language is human specific due to that language can be used to refer to things far removed in time and space and only human have the ability to produce and understand an indefinite number of new utterances ,also language is complex in its structure.

Language is used for communication since language allows us to talk about anything to each other and express our communicative purposes.

Although the Language consists of skills which are needed to acquire and master and considered the basic elements of language. As well as the speaker should perform the skills of language in order to communicate with others.

**1.7. Definition of Skill:** skill is to do and perform some thing with a suitable methods and techniques in correct way. Or it is the ability to achieve assignment with special modality. skill is one of those social science words in common parlance with many meanings, numerous synonyms such as “ability”, “competence”, “knack”, “aptitude” and “talent”, and varied imprecise translations in other languages. There are different types of skills such as social skills, communicative skills, basic skills, thinking skills, cognitive skills and teaching skill and language skills.

**1. 8. Definition of Language Skills:** language skills summarized in to the four essential skills, which is divided into two parts: productive skills which are speaking and writing. The receptive skills which are listening and reading. These skills help human to acquire language.

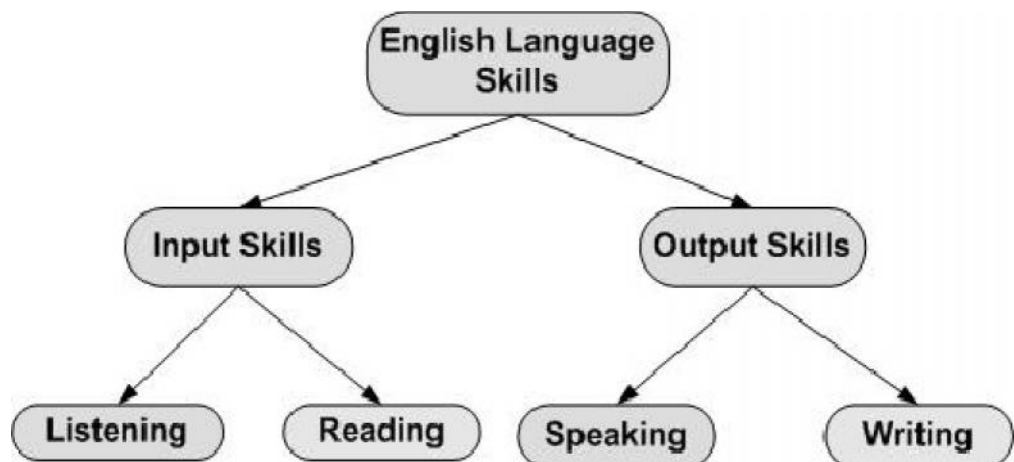


Diagram1. 1: language Skills<sup>1</sup>

**1.8.1. Listening skill:** it is art to acquire language. It is skill of communication that human use in their attitudes of daily life .human speaks in order to make other listen to him. And the human use in the listening skill the auditory system.

**1.8.2. Reading skill:** it is mental skill .it based on thinking and synthesis .the human decoding meaning and symbols. Reading skill helps the reader to gather a wide vocabulary and build knowledge.

**1.8.3. Speaking skill:** is skill of saying words it has related with utterances .it is the capacity of produce and use a wide range of vocabularies. Furthermore; human in this skill activate the tongue and the lips .however the good speaker is who know what the listener want to listen.

**1.8.4. Writing skill:** is a medium of communication which present language through signs and symbols. It is one of the language skills that are very important in the human life. Some scholars considered writing skills as process that can reflect what we are thinking.

<sup>1</sup> Bassma Basheer Nomass . The Impact of Using Technology in Teaching English as a Second Language. Canadian Center of Science and Education ,February 2013

The skills of language are difficult to perform. Thus the human being abused some resources like the technology resources that can help him to master those skills easily. The technology integrates into teaching and learning and there is educational technology which is designed especially for the learners and teachers to help them in their study.

**1.9. Relation between Language and Technology:** the integrating of new technology in the classroom is used in order to achieve the target goals and enable the students and teachers to make the lessons successful. Thus, giving lessons using new technology in the classroom is a smart way and easier way without wasting much more time. And this does not concern only scientific studies but all fields of study, including the teaching of languages which requires the use of different new technological devices like computers and iPods and smart phone and videos .... in order to develop the different skills of the students (listening, speaking, reading and writing). For instance, Teachers of languages use songs and audio visual tools in the classroom to promote their students' listening and speaking skills, in addition to this technology helps in developing the students' language proficiency, as (Ybarra & Green, 2003) argued that teaching grammar using computers is a more motivating method as compared to the old or traditional methods.

### **1.10. Integration of Technology in Teaching and Learning**

New technology plays an important role in today's human life, thus it integrates in many domain such as teaching and learning. Before to deal with the integration of technology in teaching and learning we define technology integration.

Technology integration is the incorporation of technology resources, and technology-based practices into the daily routines, works, and management of schools. Technology resources are computers with specialized software, net-work-based communication systems and others equipments and infrastructures that uses to simplify our life. Moreover; technology integration it is the use of technology in such domain to achieve significant purposes. It depends on the kind of tools available and how much access one has to technology. Also the integration of technology depends on whom using technology. Technology integration it is important when be routine, seamless, and both efficient and effective in supporting schools goals and purposes. The integration of technology invades healthy domain, economic domain, culture domain, agriculture domain and educational domain.

In the last few years, most important change has occurred in the education system which is the integration of technology in teaching and learning. It used to support both teaching and learning. Some teachers and educators and scholars suggest that when used and integrate appropriately the technologies can provide and construct learning environment for learners to build knowledge in meaningful way (Jonassen, HowLand, Moore,&Marre 2003, Jonassen,Pecket Wilson1999). Integration technology in teaching and learning it refer to the including of all kind of tools used from the low- tech pencil, paper, and chalkboard to the use of presentation software, or the high –tech such as tablets online collaboration..... The newest technologies can help teachers working with learners and learners work independently. It is considered as the solver of problems that face teachers and learners during teaching.

### **1.11. Reason behind Integrating Technology into Teaching and Learning:**

Technology integration into teaching and learning can be beneficial for both teachers and learners, because it make the process of teaching and learning more effective and easier. There are many benefits that the integration of technology provides:

**1.11.1. Raising learner’s motivation:** motivation is very important in any learning process. Some studies improve that learners who are highly motivated they are probably succeed, the learners use some resources that motivate them to learn and study; technology is one of the most resources that play an important role of raising student’s motivation. it allow the learners to became skillful, and make them acquire new ways of thinking, analyzing and problem solving because the use of technology itself is challenge.Forethemore, teachers not waste much time to motivate learners because the learners already been motivated. Technology gives the student the opportunities to complete assignments by using computer rather than using pen and paper. It helps them to gather information easily and in short time. It motivate the learners to learn better and achieve good results.

**1.11.3. Supporting teachers:** technology allows teachers to exchange ideas and thoughts with other teachers and searching solution to the problems faces them during the teaching process. As well as technology allows teachers to copy full lessons, exercises and enrich their courses, gather information from words web sites. It minimizes the role of teachers and they became as facilitators and monitors.



**1.11.4. Focus on students' interaction and students-centered classroom:** technology provides interaction among students and the students feel free and more autonomous. They build their knowledge by themselves. However students they became take responsibility for their own learning and became problem solvers. In others words, with technology the classroom will be students centered classroom, also it give students the opportunity to exchange their writing capacities and e-mail with others students from different countries.

**1.12. Tools of Technology in Teaching and Learning:** there two types of technology tools involved in teaching and learning which are old technology and new technology.

**1.12.1. Old technology:** The use of technology in teaching it is not a new it is ancient in teaching language, there are different old technologies used earlier in classroom like the tape recorders and overhead projectors

**1.12.1.1.Tape recorders:** the tape recorders was used to improve the listening skill, the teacher dispatches handout which is containing several activities such as filling the gaps,tiking or circle appropriate words .....and invite the learners to listen to the desired passage .this kind of activities which based on the tape recorders is help the learners to develop the listening ability .

**1.12.1.2. Overhead projectors:** it is a small portable machine which shines a light through a sheet of transparent plastic .this work when the teacher write on sheet and then the light reflect it on the wall. The overhead projector provides the learners to practice a variety of activities that enhance their learning.

**1.12.2. New technology:** there many types of new technology used in the classroom teaching.

**1.12.2.1 .Use of computers in classroom:** this device it helps student to learn easily .because it provide more engaging activities for them .and allow them to access the internet to search, create and complete work. In other hand, the computer offers the teachers the ability to collaborate with other educators and teachers.

**1.12.2.2. Creating web sites and blogs:** teachers can creates class blogs where they can put assignments and articles, lessons which have related with their teaching. and this allow student to give comment .the teachers also can use free web sites where students can find all academic assignment . This makes contact between teachers and students.

**1.12.2.3. Use of digital microphones:** in class room: these tools used in big classrooms which is characterized by noise. The teachers use it to explain points to their students and also students can use it for asking question to their teachers in classroom.

**1.12.2.4. Use of mobiles devices:** like smart phones. Teachers and students can both use these devices for academic purposes in classroom. It is similar to E-learning or long distance education. Students can access academic information like assignments.

**1.12.2.5. Use of online media:** teachers and students use it to learn in classroom. Teachers can use sites like YouTube because many courses is download in YouTube which both teachers and students can be benefit for both of them. Also the use of online study tools like dynamic periodic table. This tool can improve the way students learn, this type of tools it use by the biology students and the chemistry students.

**1.12.2.6. Use of Information and Communication Technology (ICT):** it is mixture of different computer materials and programs and the internet. The use of ICTs in classroom consider as development in the educational system. It uses in order to facilitate and enrich and support the teaching and learning process. It provides a great opportunity for teacher and students to improve their teaching and learning processes. So far most of educational system and universities in developing countries have basic ICT infrastructure like Local Area Network (LAN), internet, computers, video, audio, CDs and DVDs, and mobile technology.

**1.12.2.7. Use of smart board:** it made by smart technologies. It is an interactive white board. Which allows the teacher to display visual image in this device and the students will learn more easily with this visual image. Furthermore the students can use it to draw, to write and manipulate images. The smart white board provide a good learning environment.

**1.12.2.8. CD-ROM:** it is the abbreviation of “compact disk read only memory “it very useful in teaching and learning because the teachers can use CD –ROM to program video and images and texts and course books and this allow the learners to develop and practice the listening and the reading skills .

**1.12.2.9. Internet:** is the most popular technology in the world .it use in many field and the domain of teaching and learning is also benefit from its advantages. It became one of the main tools of teaching and learning; it allows the teachers and learners to collect and gather different information easily and speed. Moreover the internet it provides access to different teaching materials like the worksheets and the lesson plans .the teachers and learners will be

able to connect and exchange ideas and experience with other through the websites and emails blogs.

**1.12.2.10. power point (PPT):** power point presentation is new tools of teaching .it is allow the users to communicate ideas through visual aids .the PPT allow the teachers and the learners to prepare professional looking and visually stimulating slides. Also the PPT helps the students to understand the lesson easily since it focuses on the essential ideas and information and the containing of colors and effective sounds.

**1.12.2.11. Video:** it is a mix of images with sounds .it was a very appropriate type of teaching .this allows the learners to develop their skills and acquire new vocabularies and correct their mistakes through their watching and listening. Video can effectively communicate complex information to the students.

### 1.13. Conclusion

Technology is not just the helps that human being provides, but it is the tools that change human's life. It is not the use of computer and new devices .however; it is the use of knowledge technology, learning technology, industrial and medical technology.

Due to the advance of science, technology developed through time .many technological invention facilitates the human life in all domains. Thus, the teaching and learning domain is one of the most domains that benefit from the integration of technology due to the advantages

that makes this process more effective and easier. There are various types of technologies used in classroom in order to succeed the process of learning and teaching.

Technology it considered as a tool of education and learning. It is profitable for the teachers because will be assisted .and for the learners it will be supported.

## Chapter two: The Role of New Technology in Developing the Language Skills

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### 2.1. Introduction

English became the language of the world. Every one wants to learn it, young people and old people, men and women even children have the desire to learn the universal language. Hence, the educational system integrates technology into the classroom in order to help the students who learn English language as second language .the new technology allow the students to hear language and to write and to speak and to read language .new technology is the only medium which can support and help the ELL students to develop this variety of language experience.

This chapter deals with the importance of skills in general and the importance of study English language skills. In addition to that we discuss the advantages of new technologies in developing language skills and the disadvantages of new technologies in the classroom.

Moreover, we focus on the role of teachers and students when implement the new technologies in language teaching and learning. Then we spotlight the challenges that face teachers and students during using the new technologies in classroom.

**2.2. Importance of Study Skills:** skills are a part of language and the main important ingredient of language. Every learner has individual needs and abilities and capacities of learn a language. The oldest system of teaching a language the teacher play a great role in transmit the knowledge while the learners is a recipient of this knowledge is a passive the teacher centred.nevertheless the last few years known a change of the role of teachers and open the opportunity to the learners to became active recipient of knowledge and learners centered through the use of new technologies. This new method of language teaching shifted from teachers centered to learners centered. The learner will free in solve problem and sharing information whereas the teachers are facilitators and monitors.

Study skills are the gathering of information from any source of knowledge .the learners gets information from three main sources which are the books, classroom lectures and the outside world. The ELL students develop the four skills of English language when they read books and handouts and taking notes; doing basic research based on using library or new technologies like computer or internet. It is enhancing their writing when write paragraphs and summarizing texts. Moreover the listening and the speaking skills develop when listen to

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the explanation of the teacher during the lecture and participating in classroom activities, and taking a part of discussion; presenting papers.

The English language skills are very important in order to acquire this universal language. The study of the four skills which are reading, writing, speaking and listening all to gather will form a fluent learners. The new technology has hand in acquiring those skills. It plays a necessary role in developing the English language skills.

### **2.3. Role of New Technologies in Developing the Skills of Language**

The new technologies it integrates in teaching and learning processes. It used to improve these processs, but in the horizon another problems appear. The new technologies is like a coinage has two faces, face hold a several advantages that help the learners to acquire language perfectly .and face hold a set of disadvantages that make the acquisition of language very hard.

#### **2.3.1. Advantages of New Technologies in Developing the Skills of Language**

The new technologies play a great role in language acquisition and developing the four skills of language for the ELL students.

**2.3.1.1. Writing skills and new technology:** students who learn English language as second language, they need to perform the writing skills perfectly. When the teacher ask the ELL students to write an essay or paragraph; the ELL students need generating ideas, organization, perfect use of grammar and vocabulary. But it will be difficult and challenging for them; thus the use of new technologies allow the ELL students to perform the writing skills easily without difficulty and make them enjoy the writing ability. And improve it. There are deferent technologies that can enhance this language experience such as:

**Use of computer** or in other word the computer assisted language learning (CALL) which is an approach to language teaching and learning emerge during 1960's .many studies show that teaching the second language or the foreign languages with CALL is help students to acquire the target language better than the use of traditional tools. The CALL provide teachers with individualized instruction also it allowing students to work at their own pace .and enhanced students achievement, provide a great interaction between students and teacher and students with their peers .

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The students when they use computer (CALL) they shift from the traditional writing which based on the use of paper and pen to the modern writing which is the use of key board and the use of word processing. The writing with computer allows the ELL students to correct the mistakes automatically like the orthographic correction and the grammar correction. Thus the ELL students express ideas and thoughts easily.

The students who learn English language ELL need to focus on the four skills (listening, reading ,writing and speaking), the CALL give them the opportunity to develop those skills and optimize the four skills. Hence, the computer assisted language learning provides a situation where the ELL students can practice the writing skills simply and without difficulties.

**Electronic e-mails** which is a medium for exchange messages that based on writing process through the internet. It s new way for enhance the writing skills ;this technique can help the ELL students to write a meaningful statements in order to respond to the incoming messages In order to show the benefit of the electronic e- mail in improving the writing ability. The researcher Mireia Trenchs(1996) performed a case study of three students learning Spanish as their second language . She noticed that the student who use electronic e -mail to exchange ideas and information with her. He is performed well the writing skills rather than the two other students who dealing with them with traditional methods.

**Social media** like face book, twitter, Instegram and so on which are shorter text that spread nowadays. It has a role because it allows the ELL students to acquire and develop the writing performance.

**2.3.1.2. Speaking skills and new technology:** the ELL students need to spell and pronounce of the English language in good way without mistakes in order to have a communicative competence and this ability has a part in the acquisition of language .therefore the EEL students need native speakers of English to teach them this language and this is difficult to bring native speakers into the classroom to improve the speaking skills. but the new technologies solve the problem and replace the native speakers and allow the ELL students to develop the speaking ability through deferent technologies like:

**Chatting voice** based on the use of the internet the ELL students can chatting with other students without using writing they speak with them and use their voice. This makes them pay attention to their speaking and motivate them to become a good speaker.

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**Use of computer assisted language learning** is another new technology integrated in the classroom that can provide a rich environment that allows the ELL students to interact with each other and increase the verbal exchange of ideas and thoughts. As well as the computer (CALL) makes the ELL students learn the productive skills as speaking very enjoyable.

**Use of audio visual aids (AVAs) and video recorders** which made by native speakers this way provide authentic language that will be easier for the ELL students to acquire the foreign language which is English language according to Katchen (2002)

*"Video is quite beneficial for learners and teachers as long as they are considered only as mere entertainment ,but carefully chosen films can be a use full and extremely motivational teaching tool for both practicing listening skills and stimulating speaking and writing"* . However the uses of all kind of new technologies encourage the ELL students to be more spontaneous users of language they have a stock of strength vocabulary and pronunciation abilities.

**2.3.1.3. Listening skills and new technology:** The listening skill is one of the major abilities of the language acquisition; it is input process which allows people to acquire ideas, information through the understanding of the speech of the speakers. Moreover, the new technologies included to develop and improve this skills which is a part that the ELL students need to acquire language. The ELL students can use different types of new technologies like:

**the computer assisted language learning (CALL)** play an important role in developing the listening ability because the computer reinforce and motivate the learners to listen .according to Hoven(1999)said that the use of computer in listening problems provides students with visual and voice inputs which can enhance their information and ideas , and develop their listening skills. This kind of new technology can support students understanding and give the students the opportunity to solve problem.

**Listening to TV and Radio** this method can enhance the comprehension competence. But the ELL students should be selecting a suitable program to their needs. This makes the students like learning language.

**Use the CD players:** In addition to the listening to TV and radio programs the ELL students can use the CD players which are modern devices it may be enjoyable for the learners and increase the students' satisfaction and provide opportunity for authentic audience.



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**2.3.1.4. Reading skills and new technology:** the process of understanding the written texts it called the reading ability; it allows the readers to acquire new information, ideas and gain new knowledge. As the spread of English language in all the world .many learners wants to learn this language .the new technologies open the door to those learners to acquire the English language and provide several means to develop the reading skills which is an important skill for the acquisition of language and in order to speak and write the English language well they need to read. The ELL students can utilize these new technologies to improve this ability. Hence they can different types of new technology such as:

**use of computer assisted language learning** which has its benefits in developing the reading skills and increase the motivation of reading skills that allow the ELL students to become a successful readers; the computer push the ELL students to increase their interaction with texts also solve the problem vocabulary limitation and promote meaningful engagements. According to Case and Truscott (1999)

*“Students have been able to improve their sight word vocabulary, fluency, and comprehension. Computer based reading instruction also allows for "increased interaction with texts, attention to individual needs, and increased independence through an ability to read texts they would not otherwise be able to read" .*

**Use of multimedia software** the ELL students can use the multimedia software which is a set of texts, graphics, sound, video and animation this type of activities can enhance the abilities of ELL students to read texts that make them enjoy reading and provide the opportunities to acquire a string of vocabulary ,improve spelling ,and develop their grammar.

**Internet** it is another tool that supports the reading ability, the ELL students can access the internet and find different web sites which is created to enhance the reading skills of English language.

Moreover there are other resources like newspapers, magazines, journal, electronic libraries and dictionaries that are available for the ELL students and permit to them to explore the instruction of the English language.foreshore the electronic dictionaries it is useful for improving the reading skills due to the facility of use.

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**Reading CD-ROM based newspapers** it is new technology integrate in teaching and learning to aids the learners to develop the language experiences. Reading is one of the most experience of language which is benefit from the utilized of this new technology.CD is a device that can store a large amount of information .the newspaper which are stored in CD-ROM provide for the learners a large amounts of vocabulary and give the ELL students the chance to practice the reading skills with funny and more satisfaction.

**2.3.2. Disadvantages of New Technologies in Classroom:** despite the benefit of the new technologies in developing the English language experiences. But there are many disadvantages raised which make the English language teaching challenging.

**2.3.2.1. Emphasis in the supplementary of effective teaching:** the use of new technologies it is a supplementary tool that a teachers and ELL students use it for teaching and learning the English language. The teachers and learners became totally dependent on new technologies. Therefore the teachers cannot play their roles as teachers for example when the teachers during their teaching process depend on the computer and the learners concentrating on the screen, the teachers cannot have and contact eyes and gestures which have efficacy during the teaching. However the ELL students became as slaves to this new technologies in acquire the language, they cannot acquire the language from traditional medium like books they became more engaged with the new technologies which is may have some disadvantages especially if they do not monitors by their teachers.

**2.3.2.2. Loss of speaking communication:** communication in language classroom teaching is very important. For that should be a lot of communicative activities in classroom. But the uses of new technologies in language classroom like the use of audio and the visual devices. This devices replace the role of teachers ;the teachers oblige to teach the learners how to pronounce words and how to comprehend sentences but the use of this technologies replace the voice of teachers and the classroom atmosphere will lack the interaction and communication between the teachers and the students also the learners have limited time of speaking according to Min Pun, lecturer of English write in his article that “ the sound and images of multimedia technology effect the students ‘initiative to think and speak “.the speaking communication between the teachers and learners ignored and decrease rather than raised when using the new technologies.

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**2.3.2.3.the restriction of the students' thinking potential:** the use the new technologies in language classroom teaching allow the learners to understand the lecture easily and without making any efforts to grasp the content and meaning; but this advantages may raised an parallel another problem or disadvantages for the ELL students. The problem is that the thinking of those learners will be restricted and loss, because this abstract activity is responsible for the acquisition of language and knowledge .this is very important in the learning process. The learners became depend on the new technologies in solving problems, memorizing, organizing and imagination, for example the visual technologies can show the image on the screen to the learners and the learners not activate their imagination to imagine things they stay to receive the image and don't use their thinking. Moreover, the language skills need the thinking in order to develop; key board input replace the hand writing also the sound and images substitute the textual words. as a result the students 'thinking potential became limited .

**2.3.2.4. Abstract thinking replaced by the imaginable thinking:** the abstract thinking it is very necessary in the learning process. It allows the learners to have the ability of acquiring language. but the use of new technologies by the ELL students for the acquirement of English language change the abstract thinking and substitute by another and new thinking which became nowadays exist in the teaching and the learning processes it is the imaginable thinking. This kind of thinking it makes the learning process loss its value.

The new technologies enrich the classroom atmospheres well as the teachers and learners play a great role when adopt the new technologies in their teaching and learning process.

**2.4. Teachers' role:** teaching has relation with teacher and the transition of knowledge. Teacher is shared the information with learner's/he play a great role depend on the function which present in different activities .before the integration of new technologies in teaching the teacher was an controller,organizer,observer and participant. The question come to our mind does the integration of new technologies change the role of teacher?

The response is no, does not .the integration of new technologies does not change the role of teacher but it retained of many of their roles and adds a new roles which reinforce the existence of teacher in classroom. The new role that the teacher adopt and play plus to the traditional roles that was played are instructional designer, trainer, collaborator, advisor and team co-ordinator.

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**2.4.1. The instructional designer:** is one of the most new roles of teachers when adopt new technologies in teaching process. The teachers design and plan and organize the technologies that needed in the process of teaching and s/he responsible of the providing of those technologies also preamble the classroom. The teacher in this role should take into consideration all the resources available to meet the variety needs of his/her students

**2.4.2. The trainer:** the teacher when use new technologies in his/her job play the role as trainer. The teacher helps the students to know how to use the new technologies in the learning process in correct way; and teach them how to benefit from these technologies. The teacher should aid the students to up train the soft ware tools in order to accomplish the tasks of language learning.

**2.4.3. The collaborator:** the teacher collaborates with the students and assists them to use the new technologies. Also the teacher guide the students to construct their knowledge based on the use of new technologies; moreover the teacher help the students to assess their progress and need s/he work with the students as possible because the students need the teacher's collaborate.

**2.4.4. The enabling advisor:** is one of the principal of teacher during the use of technologies in teaching process. The teacher assists and gives advices, suggestions or asks questions. These methods enable the students to find the information by themselves and the teacher monitor of the information as well as the students became more autonomous. The term of enabling advisor describe also by the term of" facilitator ".

**2.4.5. The team co-ordinator:** the teacher must to provide opportunities to the students to perform the active assignments of individual student to project. The teacher need to conjoins the efforts to create a suitable environment of teaching also the role of team co-ordinator require to establish an atmosphere where the teacher can share the information with his/her students.

**2.5. Students' role:** with the integration of new technologies in the learning process; the students play an important role which is effects the acquisition of knowledge and language. The students have three main roles which are the self learner role, team member/collaborator and knowledge manager/leader.

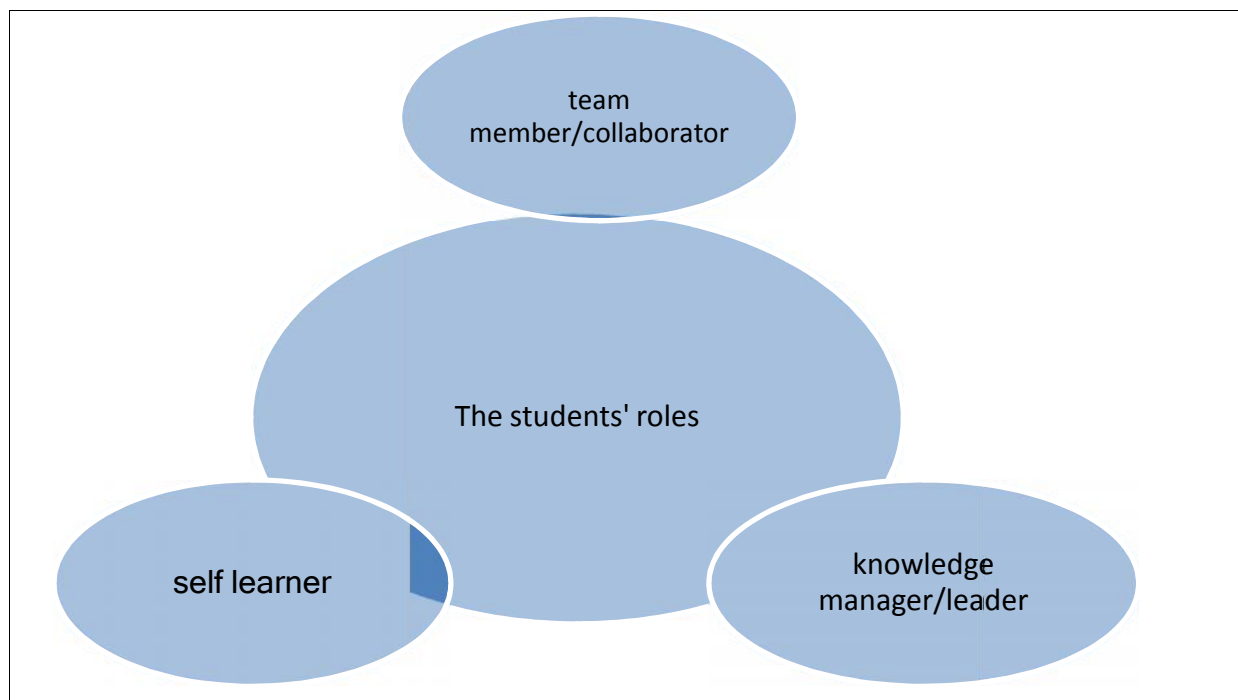


Figure 2.2 .Students' Role

**2.5.1. Self learner:** the students when using new technologies in the learning process and the acquisition of language they became more autonomous and more independence. They construct the knowledge by themselves. The students being aware of one's own learning and monitoring own progress. The self learner role that the students play when using new technologies in their learning process is the learners centered approach and they play active role they develop and find solution to the problems on their own.

**2.5.2. Team member /collaborator:** the students divided into groups in order to gather and search about the meaningful knowledge. Some studies show that the role of team member or collaborator has great impact on the advancement of learning process; the team member provide interaction between students peer. And make the classroom environment very active .they collaborate with each other to collect and select the suitable information and present this information to their colleagues by using for example power point or videos or any other new technologies that exist. This lead to increase the their language acquisition; the team member is based on the use of soft ware and hard ware communication

**2.5.3. Knowledge manager /leader:** is the third role of students is related to the use of technology to support learning process. The students in this role emphasis much more on the development knowledge. They do several activities they search and collect the information

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and extract the most important ideas and analyze it. The students access to vast store of information through the use of internet or CD-ROM and so on. And the students manage this information and transform it into knowledge .students seems as knowledge workers.

**2.6. Challenges Face Teachers during the Use of New Technologies in Language Classroom:** the use of new technologies in language classroom by students and teachers is very difficult and challenging it needs more capacities and competences.

**2.6.1. Limited skills on the use of some new technologies:** the use of new technologies in any domain, it needs some skills that make the users benefit from these new technologies. Teaching it is one of the most important domain in the life it that benefit from this new technologies ;which provide an effective way of teaching .the use of new technologies in teaching is based on the teachers but teachers have a limited skills of the usage. Because the new technologies it needs a different set of skills in order to help the learners to use technology to learn. Those teachers who have limited skills they lack of training opportunities and they have not time to practice with new technologies, and they do not illiteracy enough to use this new technologies in teaching according to Grabe and Grabe (1998) notes that if teachers want to search for more effective learning experiences for their students they need to have general ideas about a productive learning experiences that integrating instructional technology enhances.

**2.6.2. No enough new technologies available:** the new technologies it is unavailable and inadequate. Some of the new resources are not available like audio visual devices for example films, slides, radio, television and so on.

**2.6.3. Limited time to use various new technologies:** teachers have limited time to use different new technologies at the syllabus. The teachers is not enable to achieve the syllabus at time ,moreover the limited time of using various new technologies make the teachers reduce the length of time due the shortage of time.

**2.6.4. Lack of support from the administrators:** this is one of the most challenges that face teachers because the administrators are responsible to provide a new technology in each classroom. Never the less that administrators they have to be more competent in the use of new technologies.

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**2.6.5. Numbers of students not equal with the numbers of new technologies available:** the teachers face the problem of the non-equivalent between the numbers of students and the technology resources available; many students in classroom made the new technologies available impossible to use .the teachers cannot help students to take control over their learning.

### **2.7. Challenges Face Students during the Use of New Technologies in Language Classroom:**

The students also face different challenging when using new technologies in acquire new language; the challenging is:

Students find difficulties to understood new technologies, they find it not easily to use.

Some students are not illiterate on the use of new technologies because the use of new technologies need more competent and skills; moreover the illiterate use of this new technologies make the learners do not benefit from its advantages.

The new technologies it not enough this lead to charring the equipment like one computer or one tablet between two students

Teachers not explain enough when using new technologies they think that new technologies Effectively do their roles and do not take in consideration that the learners have different capacities

The learners they do not practice on the new technology.

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### **2.8. Conclusion**

The four skills of English language are considered the main important experiences which the ELL students need to develop for acquire the English language as the foreign language. The ELL students need the four skills to get their success. The new technologies have a great role on the enhancing of those skills in one hand; in other hand the new technologies impede the development of the four skills. The teachers and the ELL students play a great role when using new technologies in teaching and learning that make the teaching and the learning process meaningful. But both teachers and students face many challenging which is making the benefits of new technologies limited.



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### 3.1. Introduction

In order to assess how typical English language classroom students and teachers can take benefits from new technology to learn English as a foreign language. Two forms of questionnaires have been used for this purpose .the first form of questionnaire addressed to English teachers and second form of questionnaire prepared for English students, The forms of questionnaire were given to random samples of English students and another form of questionnaire to English teachers at the department of English language, faculty of arts, languages, social and humanities in Saida.

This chapter is concerned with the analysis of the data that obtained from the interview which is addressed to the teachers and questionnaire that is addressed to students.

First of all we analyze teacher interview, each question is dealt with separately and give the interpretation of the results. Then we analyze the pupil's questionnaire and we dealt with the question separately.

Finally, according to data analysis the interpretation of results and we suggest some recommendations.

### 3.2. Teacher's questionnaire

#### 3.2.1. Teacher's Questionnaire Description

The questionnaire was addressed to eleven (11) teachers; two (2) males and nine (9) females. The teachers of English language department of university Dr.Moulay Tahar, Saida.

The questions of the teachers include eight (8) questions, in addition to personal information. The questions are direct question and only two questions with choices.

### 3.2.2. Teacher's questionnaire analysis

This part is concerned with the analysis of the data collected from the teachers' questionnaire.

**Question 01:** as teacher, do you use new technology in the teaching process?

Yes

No

According to the teachers' answers we find that the majority of the teachers (9) said that they use new technology when they teaching. Whereas, the minority (2) claimed that they do not use new technology in the teaching process. The following table represents the results:

Possibilities	Teachers	Rate
Yes	9	82%
No	2	18%
Total	11	100%

Table1- the use of new technology in teaching process

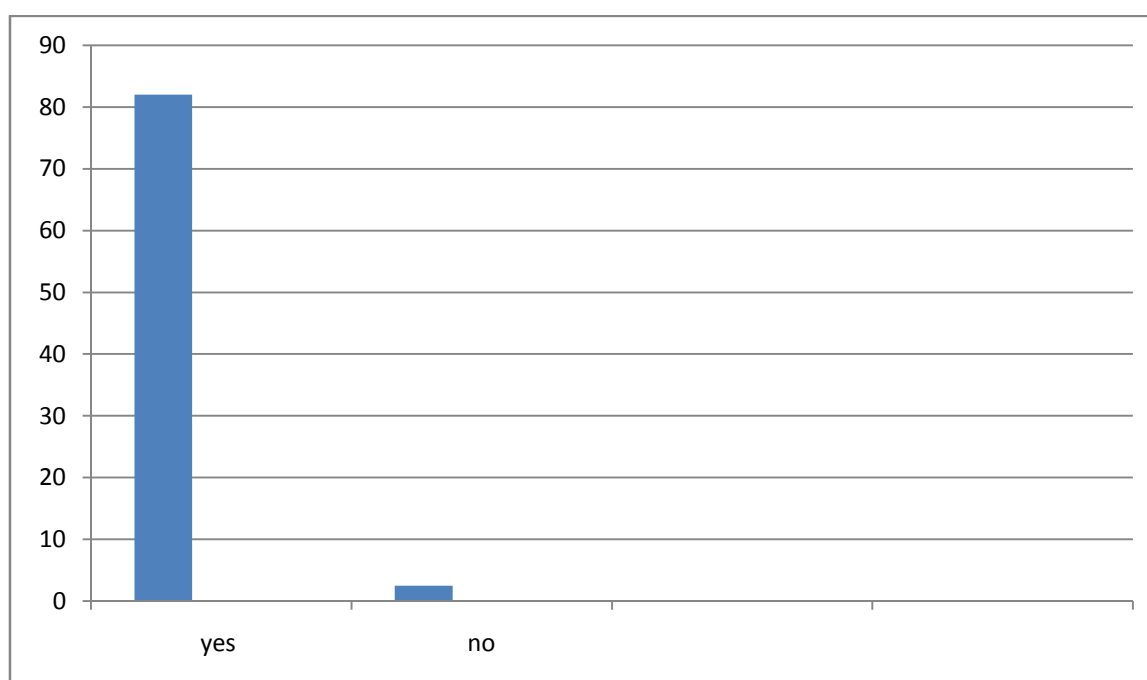


Figure 3 – the use of new technology in teaching process.

**Question 02:** the achievement of your students when teaching with new technology is:

Good

Average

Bad

We notice concerning this question and according teachers answers. The teachers' responses vary between good and average. Four (4) teachers said that the students achievements while the use of new technology is average. And five (5) teachers claimed that the students' achievements are good when using the new technology in classroom. The table bellow summary the results:

Possibilities	Teachers	Rate
Good	5	55%
Average	4	45%
Bad	00	00%
Total	9	100%

Table 2-the students' achievement while the use of new technology.

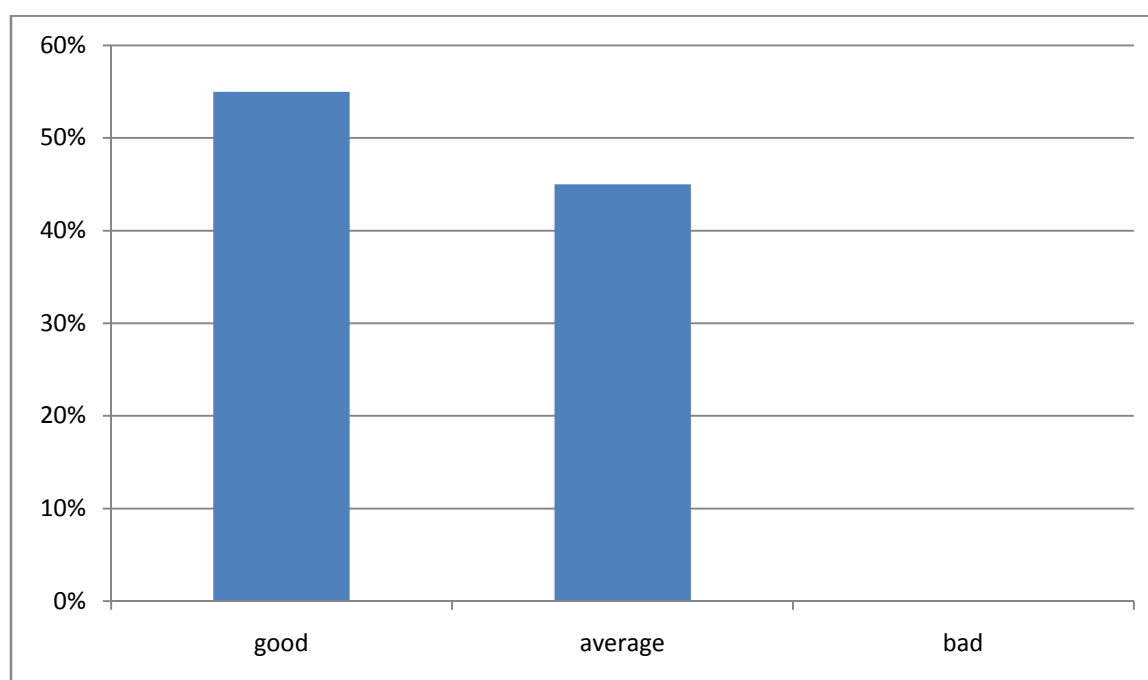


Figure 4-the students' achievement while the use of new technology.

**Question 03:** what kind of new technology would you integrate in teaching process?

This question includes the teachers who answer that they use new technology in the first question. The results concerning this question are the majority of the teachers they use data show and personnel computer (PC) and laptops. While the others teachers use different kinds of new technology in their teaching such as ICT (internet communication and technology), the net, new programs, mobile phone, and creating blogs and face book.

**Question 04:** why do you use those items?

This question is to seek the reasons behind the use of this new technology in the teaching process. According to the teachers responses the majority of the population agreed on the idea that the use of new technology in teaching is to facilitate the teaching process and it provide too much time. It motivates students and enhances involvements in class.

**Question 05:** do your students welcome the use of new technology in teaching process?

Yes

No

Most of teachers assert that their students enjoy and welcome the use of new technology in the classroom. The following table represents the results:

Possibilities	Number	Rate
Yes	11	100%
No	00	00%
Total	11	100%

Table 3- Students' welcomeness of the use of new technology.

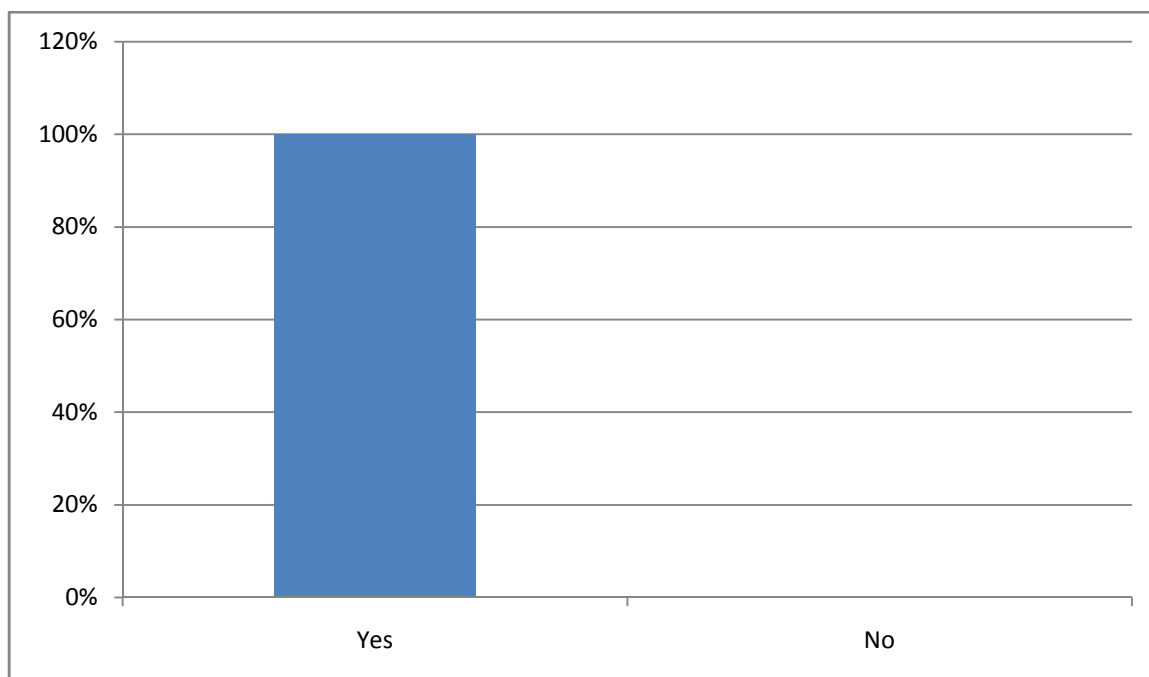


Figure 5– students' welcomeness of the use of new technology.

**Question 06:** are new technologies helping the students to improve their English language? How?

The majority (8) of teachers said that the use of new technology like PPT(power point) and data show and laptops helped the students to enhance their level of English since they can listen to authentic spoken passage, watch videos, they doing researches to take more, to write and then to present. All the skills are used. While, the others (3) said that the new technologies can impede the acquired of English language because the use of new technology is not good they make the students passive recipients. The table bellow summarized the results:

Possibilities	Teachers	Rate
Helpful	8	72%
Helpless	3	28%
Total	11	100%

Table 4-the role of new technology in improves the English language

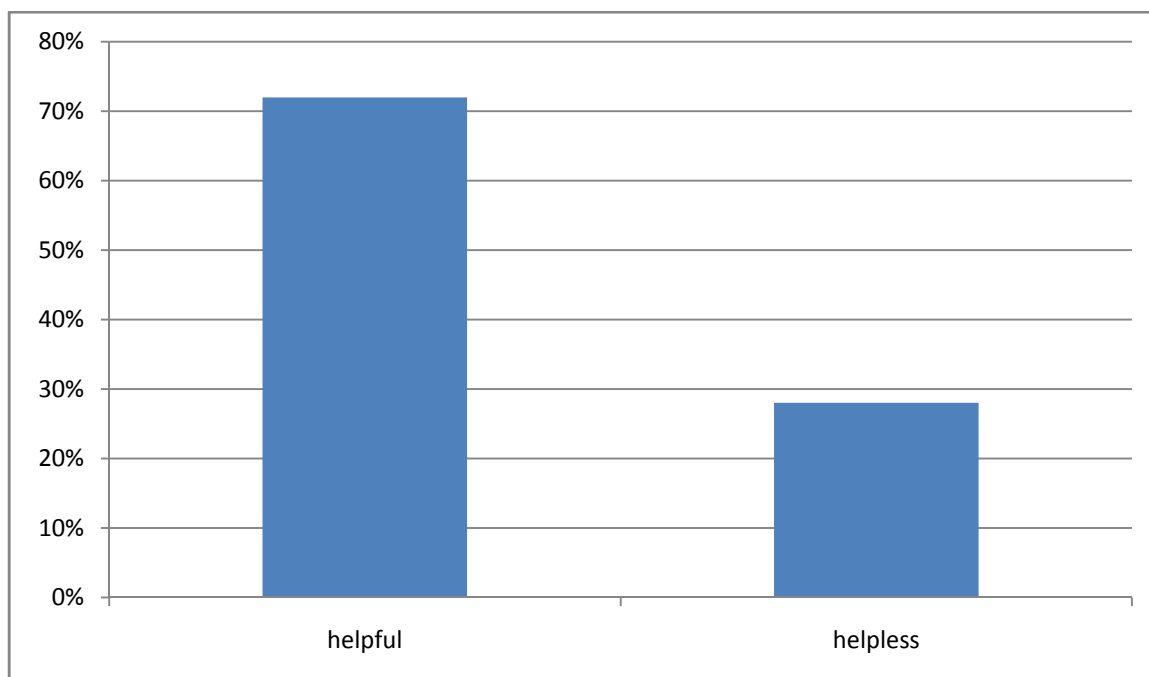


Figure 6- the Role of New Technology in Improves the English language.

**Question 07:** what are the difficulties you face when using new technology?

Ten (10) teachers said that they face several difficulties such as lack of material and the new technology is new and not known by the students they said that the difficulties they face is not in their use but in their lack of availability. Only one (1) teacher said that he does not face any difficulty in using these types of technology as he is specialized in this as a technician. The following table represents the results:

Possibilities	Teachers	Rate
Yes they face problems	10	91%
No they do not face problems	1	9%
Total	11	100%

Table 5-the problems face teachers while using new technology.

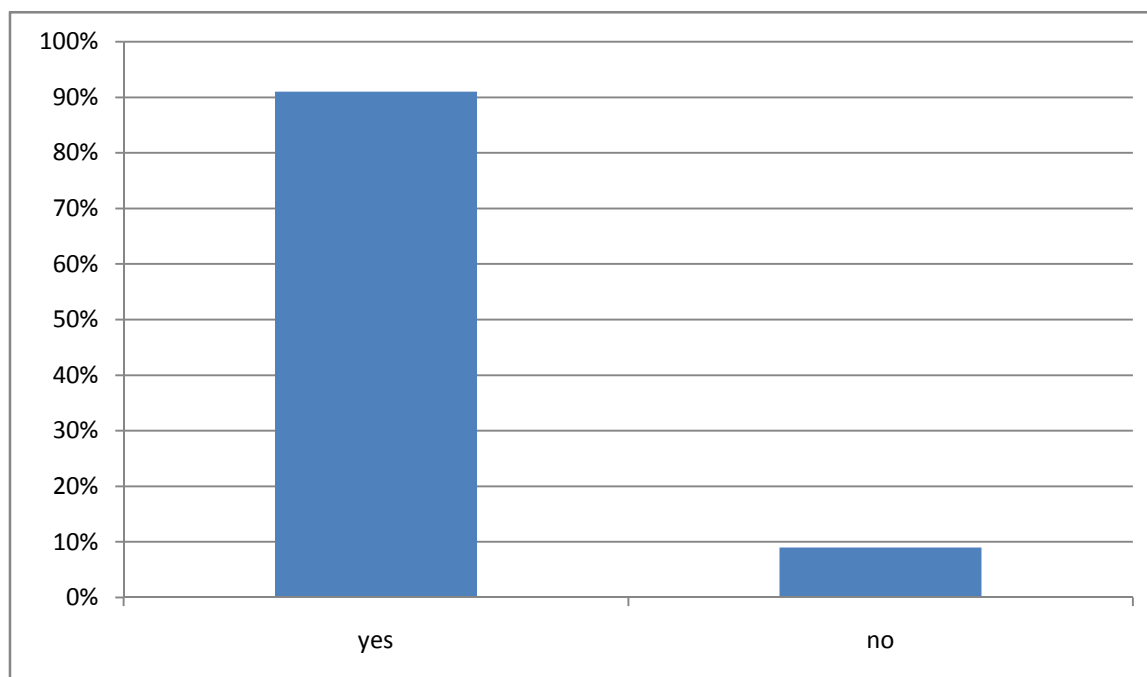


Figure 7-the problems face teachers while using the new technology.

**Question 08:** what could you suggest to overcome such difficulties?

The majority of teachers suggest different suggestion to face these difficulties like make continuous use of the new technology and let the students participate to deal with, complete integration of students and teachers, the administration provide the equipments and material in order to making the learning process more fruitful and enjoyable and the teacher who is technician suggest that the teacher should have a short training about the use of new technological devices.

### 3.2.3. Teachers' Questionnaire Interpretation

According to the teachers' questionnaire and concerning the first question the majority of teachers claimed that they use new technology because they find that new technology is very helpful; it helps both teachers and students to make the learning and teaching processes fruitful. Moreover, the teachers answers between about the achievements of their students while using new technology was confined between good and average this results is depends on the level of students and how the students really affected by the new technology the teachers said that the students welcome the use of new technology this further support the claim that this generation belongs to the age of speed that highly depends on technology in their life. Then, most teachers use different types of new technology like data show projector



and PC .In order to enhance the learning process and help the learners to acquire the English language. In addition, .the teachers assert that the new technology helping the students to improve their English language because the new technology help the students to improve the language outcomes like the grammar and the pronunciation and the spelling also improve the writing and reading performance.

Thus, most of teachers said that they face the problem of lack of material because the administration does not provide a material that the teachers can use during their teaching job. This problem make the teachers suffer from use of old technology which cannot attract the students attention and do not motivate them to learn. The teachers suggest that in order to solve this problem that the university authorities should pay more attention and afford sufficient equipments to make the learning process enjoyable and beneficial.

### **3.3. Students' questionnaire**

#### **3.3.1. Students' Questionnaire Description**

We make this investigation with 103 students of English department, from the three levels (first year, second year, third year). 40 students selected from first year level, 30 students selected from second year level and 33 students selected from third year level.

The questionnaire comprises ten questions that are close questions and other requires the students to choose the appropriate answer. The questions were carefully selected according to the English students' level and age. In order to elicit necessary data which would help the investigation uncovers how to know students attitude toward new technology and its role in developing language skills.

The general objective of the questionnaire was clearly explained to the103 students who were selected randomly from the three levels.

#### **3.3. Students' Questionnaire Analysis**

In this part we make the analysis of the data collected from the students' questionnaire.

**Question 1:** I use new technology at university:

Regularly

Frequently

Never

The first question is an introductory question in order to figure out if the students who represent the younger generation use new technology at university. The findings shows that the English students that consist of 60 students claimed that they use new technology frequently at university; it approximately to 58%.while the remaining percentages. The findings were as following:

The students of the first Level who consist of 40 students who have just graduated from high school and started university seem likely they use new technology, the majority of the students (23 students) of first level replied that they use new technology frequently at university it means while studying; which is approximately to 58%.on the other hand, 42% of students claimed that they use new technology regularly at university which are about 17 students.

The students of the 2 level who consist of 30 students who have passed to the second year, the results seem to have the same ;.more than the half(17) of the students they use new technology frequently at university which is about 57%.in addition,13students they use new technology regularly at university which is near to 43%.

The third year students who are about 33 students and the third year are a special case since they are preparing themselves for the master degree. And they use it in their research. The majority of the students(20) claimed that they use new technology at university frequently which is equal to 61%.and minority of them( 13) students replied that they use it regularly which is nearly to 39%.and the table below represents the results:

Possibilities	Number of students	Rate
Regularly	43	42%
Frequently	60	58%
Never	00	0%
Total	103	100%

Table 6-the use of new technology at university

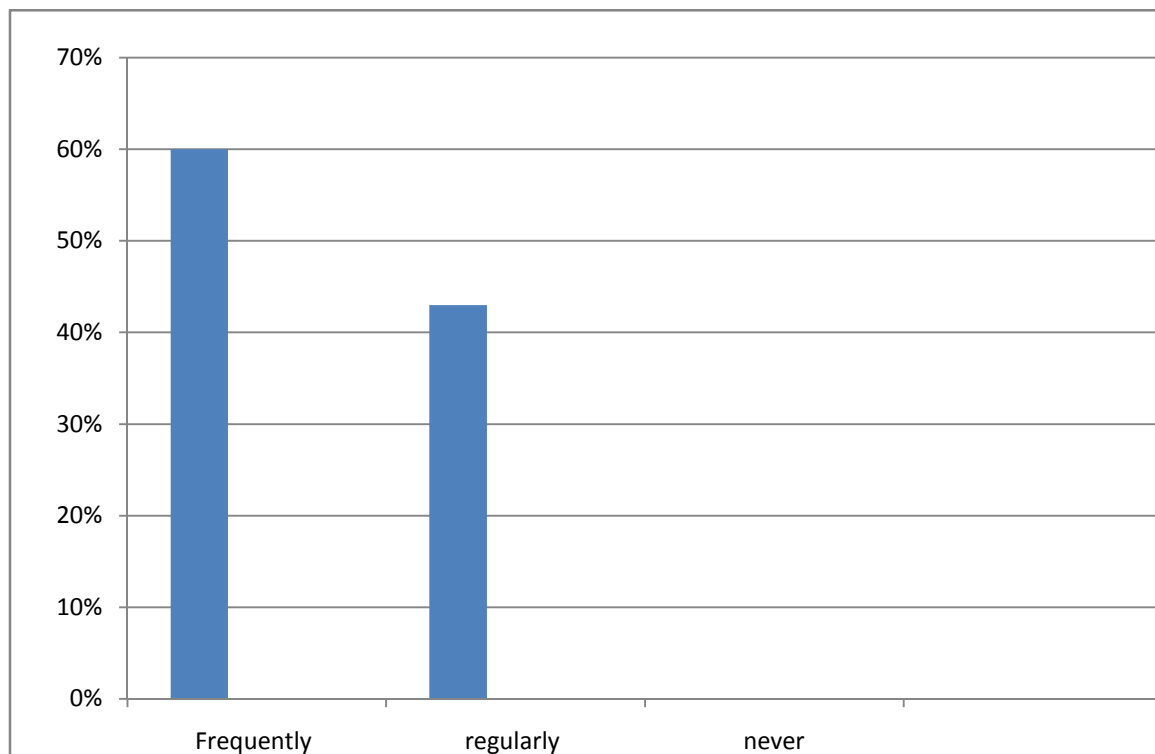


Figure 8- the use of new technology at university

This question is a follow up of the previous question, and the sample is also the same, it is about the use of new technology at home. The goal of this inquiry is to figure out how many students use technology at home it mean out of the studying.

The findings of the students' questionnaire reveal that the majority of the students(62) from the three levels they use new technology at home frequently which is approximately to 60%.while other students 36 students use it regularly that is equal to 35%.and minority of students (5) do not use new technology at home it is near to 5%.

The results of the students' questionnaire show that the first year students' answer composed of 63% have stated that they use new technology at home frequently. While the other students seem to use new technology regularly at home that is equalized to 25%. And minority of them replied that they do not use new technology at home which is representing the percentage of 12%.

The results of the second year level shows that plurality of students 63% use new technology at home .while minority of them 27% use it at home.

The results of the third year level it is close together about the use of new technology at home. 55% of the respondents they use it frequently at home while 45% of the respondents they use it frequently at home. The table summarized the result:

Possibilities	Students	Rate
Regularly	36	35%
Frequently	62	60%
Never	5	5%
Total	103	100%

Table 7- the use of new technology at university

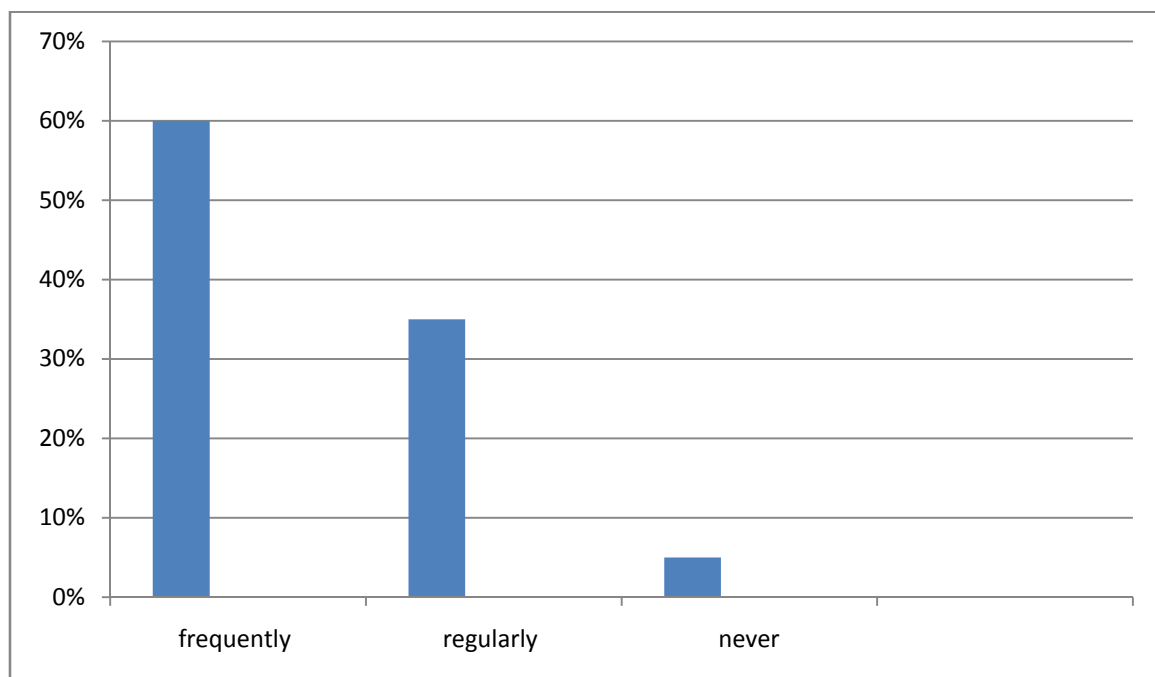


Figure 9- the use of new technology at home.

**Question 2:** do you learn with new technology?

Yes

No

This question is also an introductory question and the basis of the following question, it

Seeks to figure out if the students who represent the younger generation using of the new

Technology and its various tools when learn.

The finding of the questionnaire noticed that the majority of the students (75) replied that they use new technology when they learn which is equal to 73%.while (28) students said that they do not learn with new technology it approximately to 27%.the finding were as following:

The finding of the first year level shows that the plurality of the students (30) responds that they use new technology when they learn they are about 75%.whereas, 25% of the students said that they do not learn with new technology there are represents the number of 10 students.

The results of the second year it assert the use of new technology in the learning process. the majority of the participants (19) answered that they learn with the new technology which is represent the percentage of 63%, others(11) of the students replied that they do not use new technology in their learning process it approximately to 37%.

Whereas the finding of the third year students shows that 70% of the participants answer that they use new technology when they lean and 30% of the participants replied they do not use new technology in the learning process. The following table represents the results:

Possibilities	Students	Rate
Yes	75	73%
No	28	27%
Total	103	100

Table 8- learning with new technology.

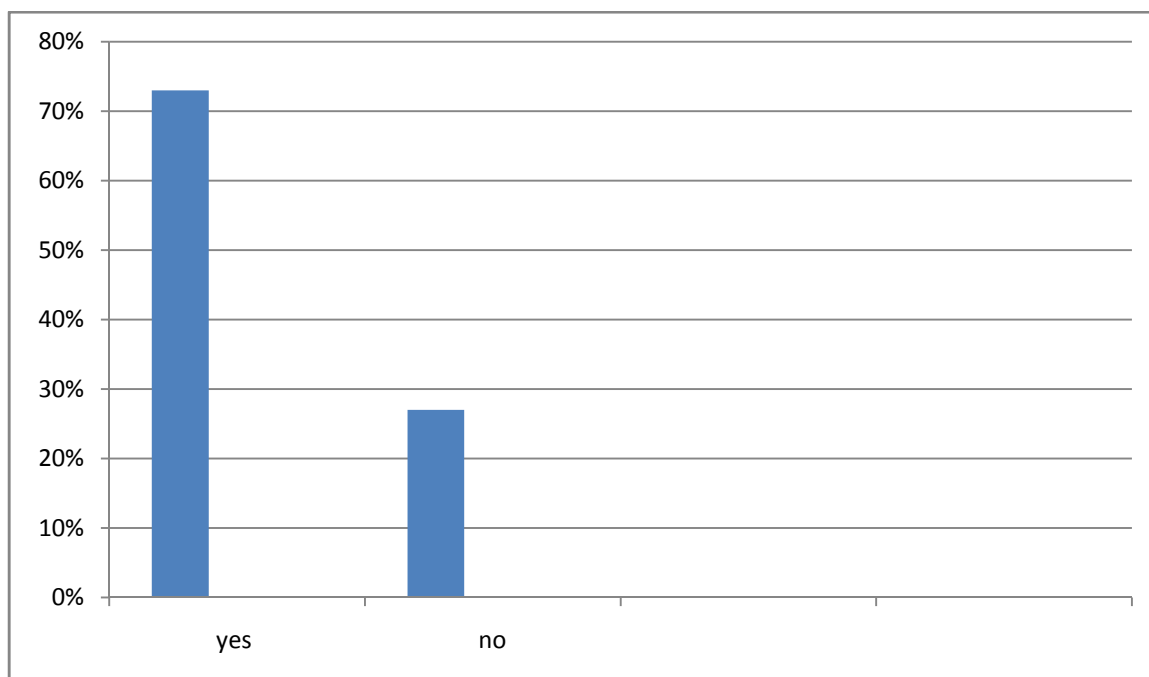


Figure 10- learning with new technology.

**Question 3:** if yes what kind of new technology do you use in your learning process?

Computer                      internet                      video                      smart board

Others .....

The third question is specially made for the students who have answered with yes for the second question, so the sample of this question include only the students who have replied that they use new technology in learning. The aim of the question is to discover what kind of new technology does the young generation of today like to use in learn and study. The findings were as following:

The result shows that the students use different kind of new technology that exist in our country but we notice that they do not use smart board in the learning process because it is not available in our country in general.

Students' response indicated that the three levels of students' results show that 35% students use computer. While, 28% of the students use the internet. Whereas 12% of students use video. And some students use two types of new technology when they learn.8% use both internet and computer. 7% of students use internet and video and the other use three kinds to

gather they present the percentage of 9% they use computer and video and internet. Only 1% uses other kind which is smart phone. And the findings were as following:

The result of this questionnaire reveals that the first year students use computer they represents the percentage 35%. And 23% students use internet, while 12% of the students use video. An equal number 12% of students use internet and video. Whereas 10% of students computer and the internet. On the other hand, 8% use computer and internet and video together in the learning process.

The results of the second year students it nearly the same but only one students who add another kind of new technology that use when they learn which is smart phone it approximately to 3%.whereas the rest of students use the other kind. as a result,40% of the students use computer and 30% of them use the internet. While, 10% use the videos. Even as,7% of students use two kind of new technology together which are computer and internet and an equal number 7% of students use three types together computer and internet and videos and minority 3% of them use internet and video.

The finding of the third year shows that 28% of the students use computer when they learn. 34% of the students use the internet. Whereas, 13% of them use the videos. And 6% use the computer and the internet together. However 3% of students use computer and videos and the same results shows that some students use the same types plus to the use of internet. An equal number of the students who use only the internet and videos. And the results are summarized in the table below:

Possibilities	Students	Rate
Computer	35	35%
Internet	29	28%
Video	12	12%
Smart phone	1	1%
Internet and computer	9	8%
Internet and video	8	7%
Computer and internet and video	9	9%
Total	103	100%

Table 9- the different kind of new technology used in the learning process by the students.

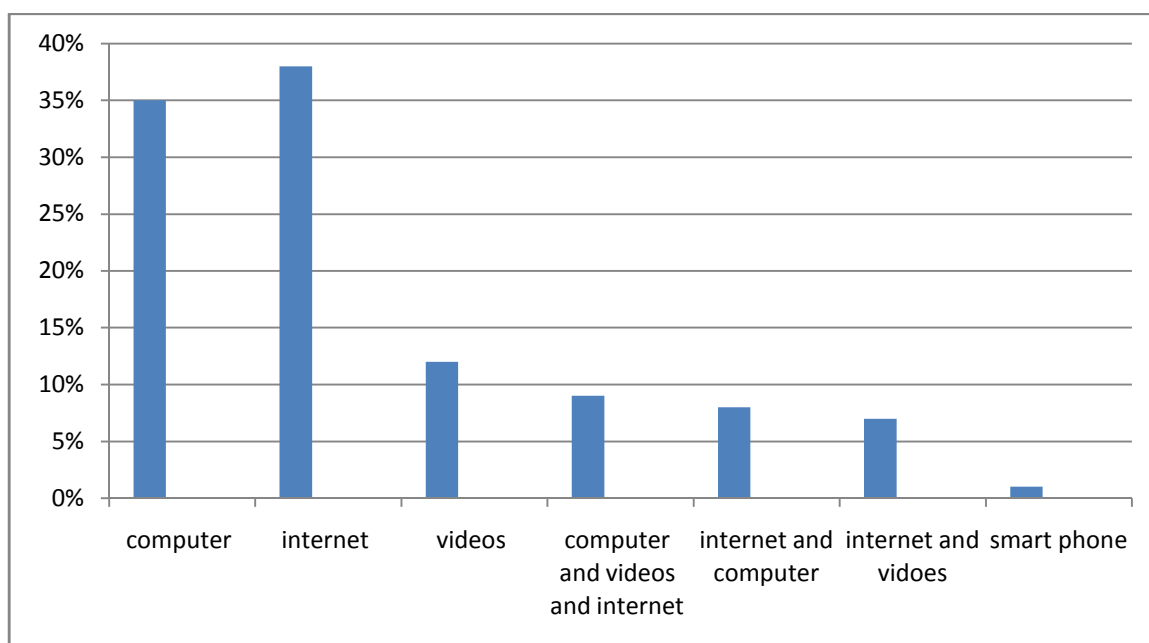


Figure 11-the different kind of new technology use by students when they learn.

**Question 4:** do you find the studying with new technology:

Interesting

Boring

The majority of the participants (72%) find that the studying with new technology is interesting. however; 28% of the students find it not interesting and boring. the results were as follow:

The finding of the first year students reveal that the majority of the students 80% find it interesting and minority (20%) of them find it boring.

The results of the second year it also shows that a great number of students which represents percentage 70% said that the use of new technology in learning process is interesting. While, 30% of them claimed that is boring to learn with new technology.

Moreover, the finding of the third year students shows that 64% of the participants find the learning with the new technology is interesting. Whereas, 36% of students find the



learning by the new technology is boring and not interesting. The results are in the following table:

Possibilities	Students	Rate
yes	74	72%
Now	29	28%
Total	103	100%

Table 10- the fondness of the learning with the new technology.

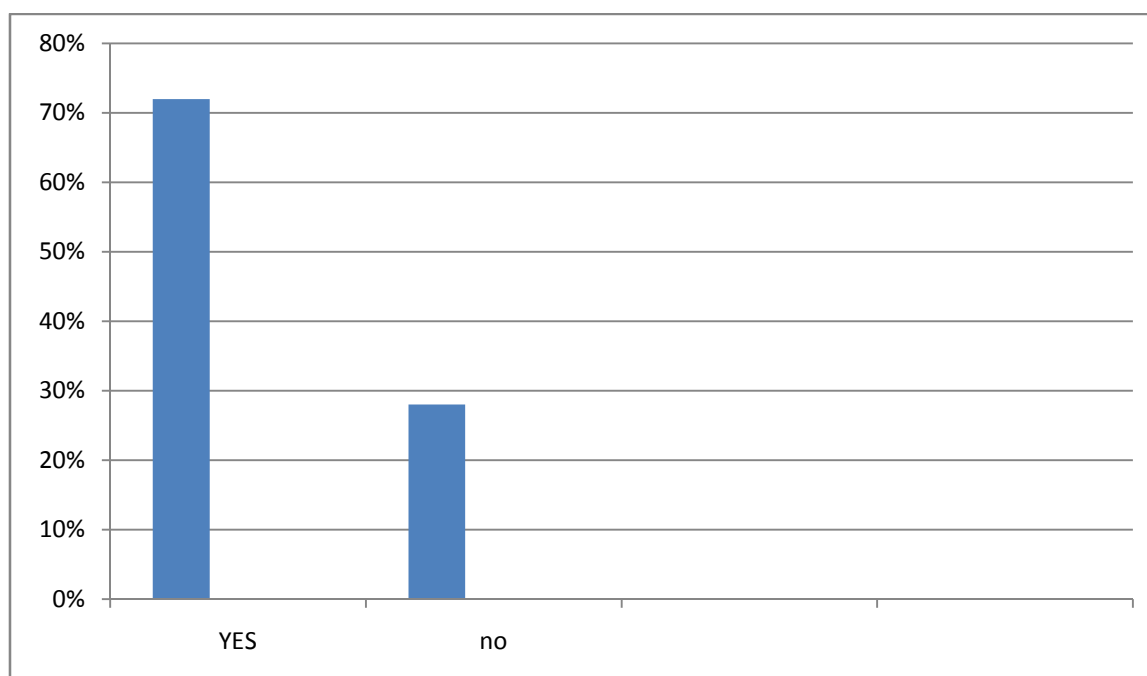


Figure 12- the fondness of the learning with the new technology.

**Question 5:** are new technologies helpful in acquiring English language?

Yes

No

According to the answers of students, most of students (70) which equal to 68% said that the new technologies are helpful in acquiring English language. While, 33 students find that the new technologies it is not helpful in acquiring English language it approximately to 32%.

The findings were as follow:

Relatively to the results of the first year students 72% of them claimed that the new technologies is helpful in acquiring the English language. Whereas, the rest of the first year students which represent the percentage of 28% they said that is not helpful in acquiring the English language.

Concerning the finding of the second and third year students it is alike the results of the first year the majority of them said that the new technology is helpful in acquiring English language the percentage was about 53% to76%.however ,about 74% and 24% see that the new technologies are not helpful in acquiring English language. The table bellow summarizes the results:

Possibilities	Number of students	Percentage
Yes	70	68%
No	33	32%
Total	103	100%

Table 11- the role of new technology in acquiring English language.

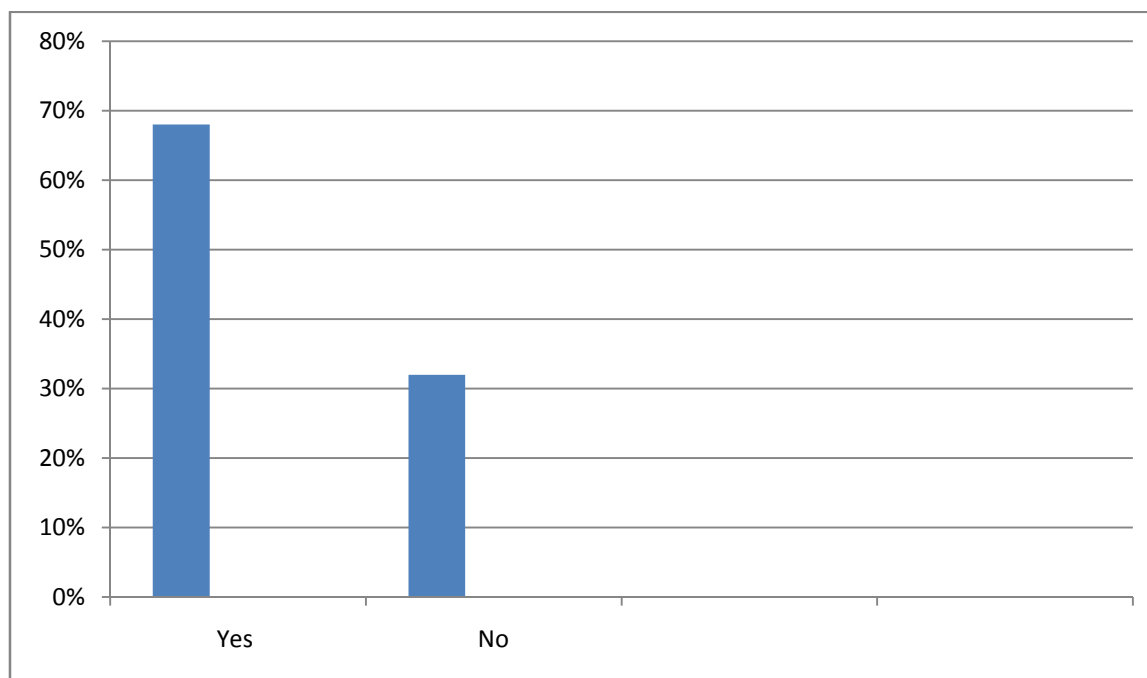


Figure 13 – the role of new technology in develop the English language.

**Question 6:** do you think that new technology is needed in order to develop the four skills of English language?

Yes

No

Probably

When the participants asked were asked about their point of view about the new technology in developing the four skills of English language. 55% of the population said that the new technology is needed in developing English language skills. While, 28% of the participants said that is probably needed in developing the skills of English language and 17% of the participants claimed that is not needed in developing the skills of English language.

The findings were as follow:

The findings of the first year students shows that the majority of the population 60% said that the new technology is needed in acquiring the four skills and 22% of the participants said that is probably it was needed .whereas,18% of the population claimed that is not required in developing English language skills.

The results of the second year reveal that 50% of the students claimed that the new technology is required in develop the English language skills. Whereas, 33% of the participants said that it possible to has a role in develop the skills of English language. While, 17% said that is not needed in developing the English language skills.

The third year students answers are 55% of the population answered that the use of new technology is needed in order to develop the four skills of English language. And 27% of the participants that is possible the new technology develop the four skills. Whereas, 18% of the students said that is the use of new technology is not needed in develop the four skills of English language. And the results mentioned in the table:

Possibilities	Number	Rate
Yes	56	55%
Probably	29	28%
No	18	17%
Total	103	100%

Table 12- the importance of new technology in developing English language skills.

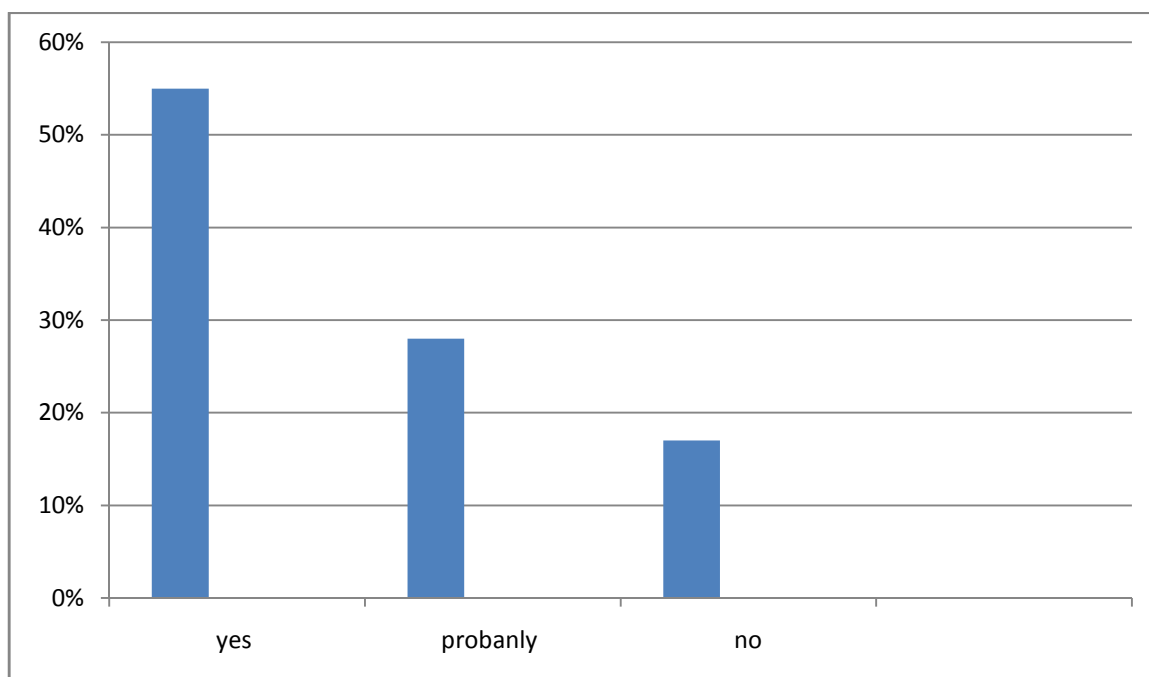


Figure 14 –the role of new technology in developing English language skills.

**Question 7:** does your teacher integrate the new technologies in the teaching process?

Yes

No

Sometimes

This question seeks to know if the teachers use new technology when they teach, the findings of the questionnaire show that the most notable percentages 45% from the 3 levels said that their teachers use new technology in teaching process. While, 32% of the participants claimed that their teachers sometimes integrate new technology in teaching and 23% of the population answered that their teacher do not use new technology in the teaching process . The findings were as following:

The first year students results shows that the majority of the students 48% said that the teachers who teach them they integrate new technology in teaching. Whereas, 30% of the students said that sometimes their teachers integrate new technology and 22% of the participants claimed that their teachers did not integrate new technology when teaching.

Relatively to the finding of the second year 40% of the population said that their teachers use new technology and 37% of the students said that sometimes their teachers use new

technology. Whereas, 22% of the students said that their teachers did not use new technology in teaching process.

About the third year results were as follow 46% of the participants said that their teachers teach with new technology. In addition 30% of the students said that their teachers sometimes use new technology in teaching process and 24% of the population said that their teachers did not integrate new technology in teaching. The table bellow summarized the results:

Possibilities	Number	Rate
Yes	46	45%
Sometimes	33	32%
No	24	23%
Total	103	100%

Table13-the frequency of integrate new technology in the teaching process.

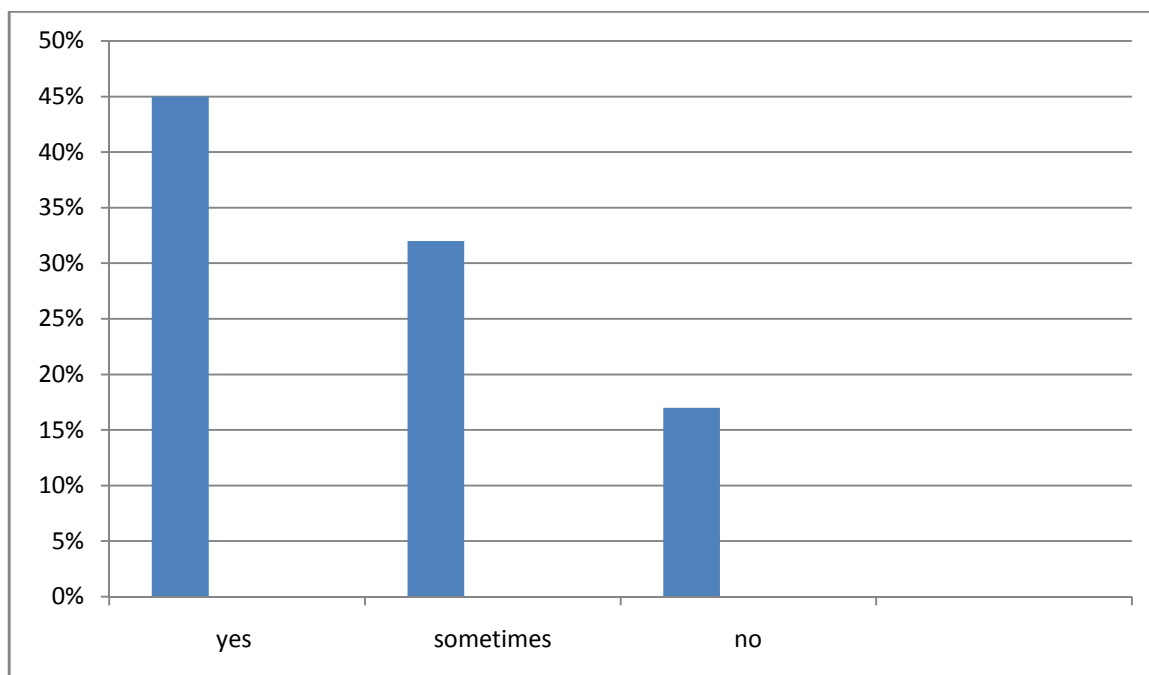


Figure 15- the frequency of integrating new technology in teaching process.

**Question 8:** do you meet problems when using new technologies?

Yes

No

The majority 51% of students claimed that they find difficulties when using new technology. While, 49% of the participants said that they do not face difficulties when using new technology. And the results as follow:

54% of the participants from the first year level said that they face difficulties when using new technology .while, 46% of the students said that they do not find difficulties when using new technology.

The second year students majority of them 53% said that they find difficulties when using new technology while, 47% of the population not find difficulties when using new technology.

The majority of the third year students 58% said that they find difficulties when using new technology. While, 42% of the participants claimed that they do not face difficulties when using the new technology in the learning process. The table represents the results:

Possibilities	Number	Rate
Yes	52	51%
No	51	49%
Total	103	100%

Table 14-the difficulties face the students when use new technology in their learning.

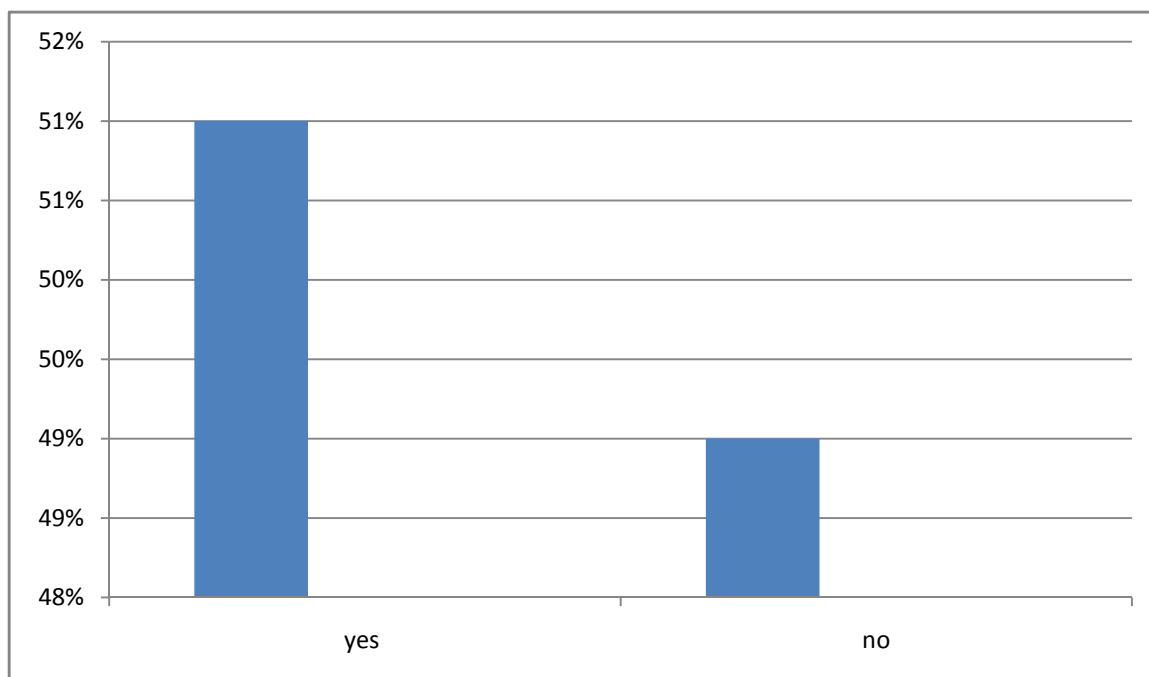


Figure 16- the difficulties that face students when using new technology.

**Question 9:** if yes what are they?

The question nine is specially made for the students who have answered with yes for the question eight, so the sample of this question include only the students who have replied that they find difficulties when using new technology. The aim of the question is to discover what the difficulties are does the young generation of today face when they use new technology. The most participants said that they face several difficulties such as:

Net works problems, lack of materials, problems of electricity; they do not know use the new technology perfectly. Sometimes one computer between two students because that they do not have enough money to everyone has computer and the new technology in our country is very expensive.

**Question 10:** what do you suggest to solve these problems?

This question is a follow up of the previous question, and the sample is also the same, it includes only the respondents who have said yes. The goal of this inquiry is to figure out the suggestion that the students suggests in order to solve these problems. The students suggest that provide net work and we must to practice the use of new technology .and make the a module of teaching new technology and ICT not just theoretically as we learn we need to practice.

### 3.3.3. Interpretation of the Results

The sample which is chosen in this study reveals that the students use new technology at university is divided between frequently and regularly. The students use new technology at university, since Algerians by nature are a big fan of new technology especially the teenagers and today young generation.

The university and the way it works and how it demands from the students to use new technology in order to do research. And about the use of new technology at home they use for pleasure and to communicate with others, to exchange ideas, further, support the claim that this generation belongs to the age of speed that highly depends on technology in their life, only few students have said that they do not use new technology, these students belong to the population that do not have technological means in their home and they do not have easy access to it. However, the majority of the students claimed that they learn with new technology since the new technology is the best source and mean for getting information. It helps the learners to achieve a high development in their learning process. And technology offers easy access to data and makes the students more motivated. Whereas, some students said that not use new technology in their learning because they considered the teacher is the main source of information, and do not use new technology in order to get the new information.

They only receive of information and they are not required to the use of any types of new technology, which may be the reason behind their lack of the desire of new technology .in addition the English students of university Dr.Moulay Tahar use different types of new technology in their learning since this types it very available in the university.While,we notice that the students not use the smart board in the learning process because it is not available in our university and in our country in general. Thus, the majority find the learning with new technology is very interesting because it help them with their research, memoir, and homework so it is dependable to them but only when they need it for knowledge purposes.

The other students find it boring since they do not find new technology fan, and they may not have easy access to it. Moreover, most of the English students agree that the new technology is helpful in acquiring the English language as second language since the new technology can provide various occasions to like listening to spoken passage and watching videos that is made by native speakers. The new technology is needed in order to develop the



four skills of English language to enable them to understand what is being shown. The learners have the facility to listen, to see, to repeat, to answer and to read and write. Because the new technology devices it very helpful in develop the four skills like the audio-visual aids and computer and internet. Also the majority of students claimed that their teachers integrate new technology in the learning process since the new technology motivate the students to learn attentively and enhance students' interest and it help the teachers to clarify the difficult concepts and facilitate the understanding by the students.

### 3.5. Conclusion

This chapter has attempted to conduct a well-organized and efficient questionnaire. In order to grasp the current situation concerning, the impact of the new technology in developing the language skills. The obtained data of teachers' questionnaire reveals that the teachers are concisions about the role of new technology in teaching process.

Whereas, the analysis of students' questionnaire shows that the majority of students are seem like new technology and it has become a part of their life, just as existence of oxygen, the existence of technology is equally as important as oxygen to the students who are the future generation of today . However, the influence is not all negative, although students are addicted on using it; some are wise enough to use it for their advantage and to get more knowledge. While, the other students use the new technology for get pleasure and fun.

Furthermore, these finding assert on the importance role of new technology in enhancing and promoting both learning and teaching process.

## General conclusion

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### General conclusion

The current research aims to shed some light on the relationship between language and new technology, and more specifically on the way, technology had influence language and the skills. The initial hypothesis of this research stated that, it would that the language skills have developed by new technology and its various seductive tools.

The new technology is an extraordinarily rich source of language in use because language is not fixed but constantly changing. In order to expose foreign language learners to the target language we need to use several tools to help them to acquire the foreign languages. Thus the uses of new technology need to be exploited in the classroom as much as possible. For that reason a great tendency towards the use of new technology and its integration into the curriculum developed by the foreign language.

Learners in Algeria study English language as a foreign language. The educational system in Algeria includes the TEFL to develop the students' abilities in order to use the English language for the communication purposes and to develop the four skills which are very important to acquire and teach this foreign language. The English language as a foreign language based on the four skills such as listening, speaking, reading, writing, the teaching of those skills to gather will form a good and fluent learner.

The integration of new technology in teaching and learning it has a great influence on the development of the four skills of the English language as a foreign language. And the use of new technology has many advantages which are helpful in the acquirer of the four skills of English language and in parallel some disadvantages which impede the developments of the skills of English language. And there are many challenging face the teachers and students when they want to benefit from this new innovation.

The new technology seems to have become a necessity in the human world that cannot be replaced or neglected .and the younger generations who are the future of this world seems to have become its slave succumbed to it without even recognizing if its influence is negative or positive. It depends on how they use it. It may deduce in the acquiring of the English language or fall in the window of addicted of just use the new technology without deduce from its benefit, it is the individual's responsibility to choose how he would like to be affected by it.

## General conclusion

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Finally, we hope that our work can be important and beneficial for both teachers and students. Make the students and teachers know the role of new technology in developing the four skills of English language as second foreign language.

## Recommendations

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### **Recommendations**

In the light of these findings the research is recommended to that new technology such as computer, internet, smart phone...etc. Should be used accurately to facilitate the teaching and learning processes and provide fun opportunities for learners to learn English language as a foreign language. The responsibility is shared between schools' administration and teachers themselves to integrate new technology into teaching and learning English language, and reduce the challenges when they occur. Through taking a close look at Saida English department, one recognizes that it is one of the most departments in Algeria that lack new technology, the classrooms or the amphitheatres are not equipped by a data show and other technological material in order to facilitate the job for teachers and enhance the level of students. These are some recommendations that may suggest:

The administration may take clear vision about the role of new technology in acquiring the English language. As well as, it can provide sufficient learning material like data show which is help the teachers in presenting the lectures and provide sufficient professional programs to raise teachers' skills of using new technology. The administration also can provide sufficient initial training regarding the use of new technology in the teaching and the learning processes.

The study also recommends that teachers may prepare themselves for the use of new technology such as computer, ICTs, blogs... and know that the classroom which is equipped by the new technology is different from the traditional classroom which is lack of new tools and devices. In addition, the teachers may have knowledge and skills of using new technology in order to minimize the challenges which occur in the classroom. They may use the new technology devices as a support to teaching the English language.

The teachers may play a great role in motivating their learners to use new technology in acquiring the English language and obtain meaningful knowledge. Moreover, they may allow the learners during the use of new technology to develop the four skills, they give them the chance to improve their pronunciation, extend their speaking read and write and listen. They taking into account the needs of their learners and their different competencies. As well as, they may be aware about the importance of communication during the use of new technology in classroom.

## Recommendations

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The teachers may control the learners when they use new technology in the classroom to make sure that they are not wasting time, shifting between websites.

In addition, it is very important for teachers to share ideas, resources and experiences to develop professionally.

Moreover, the finding of the study recommend that the students who are represent the future generation and who are the most beneficial from the use of new technology tools in acquiring the English language and develop the four skills. The students may access the educational websites in order to develop their knowledge and acquire English language and may participate on the new technology's activities and may take benefit from the use of new technology in developing their talents and dreams not just to get fun. The students may not be a passive recipient when the teacher uses new technology in the classroom they could be an active members in the triangle of new technology, teacher and students.

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Appendix (A)

Students' questionnaire

Would you please answer this questionnaire in order to know the role of new technologies in developing the language skills which helps us to convey the aim of this study. Please put tick ( ) in the appropriate box.

Personal information:

Age:

Gender: male  female

Level: first year  second year  third year

1. I use new technology at university: Regularly  frequently  never

At home: Regularly  frequently  never

2. Do you learn with the new technologies? Yes  no

3. If yes what kind of new technologies do you use in your learning process?

Computer  internet  video  smart board

Other.....

4. Do you find the studying with new technologies: interesting  boring?

5. Are new technologies helpful in acquiring English language?

Yes  No

6. Do you think that the use of new technologies is needed in order to develop the four skills of English language? Yes  No  Probably

7. Does your teacher integrate the new technologies in the teaching process?

Yes  No  Sometimes

8. Do you meet problems when using new technologies? Yes  No

9. If yes what are they?

.....  
.....

10. What do you suggest to solve these problems?

.....

Thank you for your collaboration

## Appendix (B)

### Teachers' questionnaire

Dear teachers, would you please answer the following question for research purposes.

Personal information:

Male  female

How long have you been teaching?

1. As teacher, do you use new technology in teaching process? Yes  No

2. The achievement of your students when teaching with new technology is:

Good  Average  Bad

3. Do your students welcome the use of new technology in teaching process?

Yes  No

4. What kind of new technology would you integrate in teaching process?

.....  
.....

5. Why do you use those items?

.....

6. Are the new technologies helping the students to improve their English language? How?

.....  
.....  
.....

7. What difficulties do you face when using new technology?

.....  
.....

8. What could you suggest to overcome such difficulties?

.....  
.....

Thank you for your collaboration