CHAPTER II

2. ANALYSIS AND COMPARISON OF THE RESULTS

2.1 BRIEF CHARACTERIZATION OF THE TECHNICAL UNIVERSITY OF COTOPAXI.

The Technical University of Cotopaxi is a public institution; it is a part of the National System of Superior Education.

The academic units of our university are:

- Unidad Académica de Ciencias Administrativas y Humanísticas.
- Unidad Académica de Ciencias Agropecuarias y Recursos Naturales.
- Unidad Académica de Ciencias de la Ingeniería y Aplicadas.

It is a university without money purposes; its work is directed to people from downtown, suburban and indigenous places .Cotopaxi Technical University assumes with responsibility the security of the freedom in production, diffusion and the democratic and progressive thought the knowledge for the development of the conscious of the population.

The Technical University of Cotopaxi is the result of a process of organization and people's fight of the province. In 1989, teachers, parents and other worried sectors organized a committed with the purpose to reach a goal: the creation of a university for Cotopaxi. The committee was integrated by Mr. Socrates Hernandez as president, Mr. Edgar Cardenas as Vice-president.
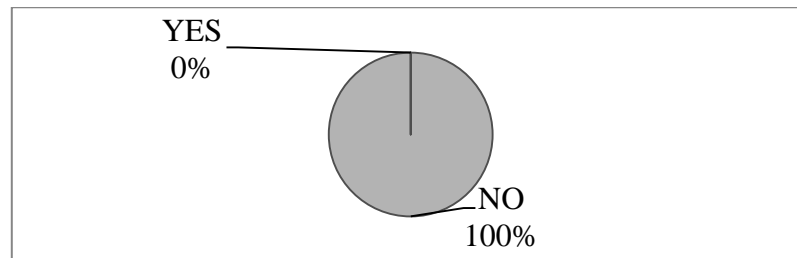
2.1.2 ANALYSIS OF THE SURVEYS APPLIED TO THE TEACHERS OF THE ENGLISH CAREER.

1.-Do you think that the current technology in the English lab is enough?

Table 1

OPTIONS	# TEACHERS	%
YES	0	0%
NO	5	100%
TOTAL	**5**	**100%**

Graphic 1

Source:Universidad Técnica de Cotopaxi
Elaborated by:Sabina Chango.

In the first question, five teachers representing 100% said there is no current technology enough in the English laboratory.
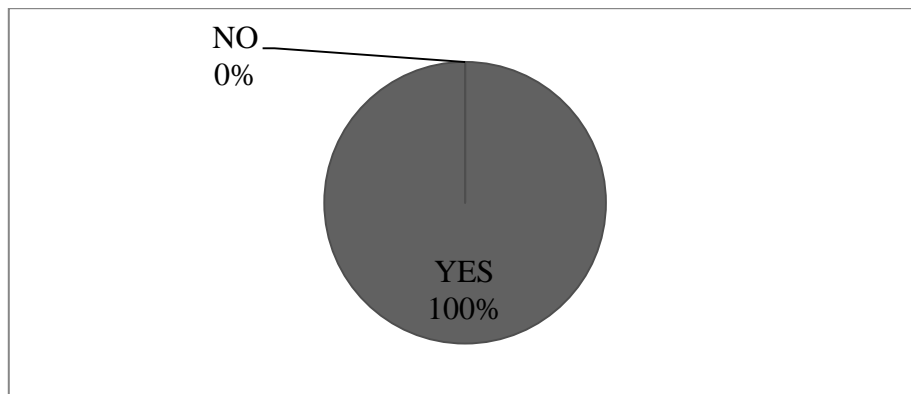
According to this information, all teachers consider that there is not enough current technology in an English laboratory at Technical University of Cotopaxi, because the University does not have a technological lab and this is a university without money purposes.

2.-Do you consider is important to implement an Interactive English laboratory?

Table 2

OPTIONS	# TEACHERS	%
YES	5	100%
NO	0	0%
TOTAL	**5**	**100%**

Graphic 2

Source:Universidad Técnica de Cotopaxi
Elaborated by:Sabina Chango.

Here, five teachers answered yes which represent 100% they say that it is important to implement an Interactive English laboratory.
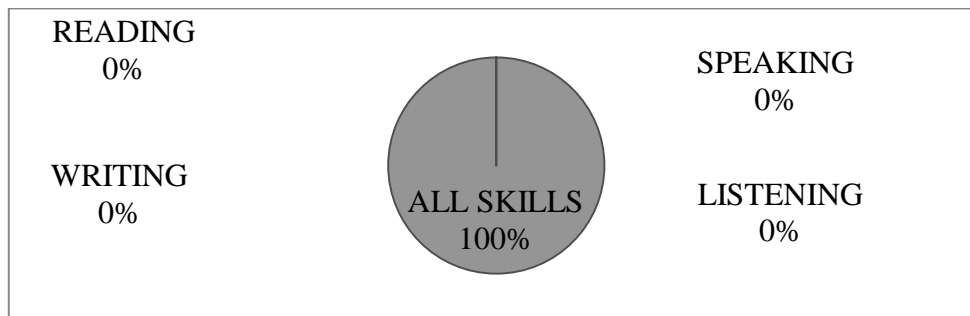
Based on this information, all teachers consider it is important to implement an English Interactive laboratory because it is a very useful tool, excellent for improving the teaching of a second language process in order to increase, strengthen, and develop the four skills in the students of the English career.

3. - What skills can you develop with an Interactive English language?

Table 3

OPTIONS	# TEACHERS	%
READING	0	0%
WRITING	0	0%
SPEAKING	0	0%
LISTENING	0	0%
ALL SKILLS	5	100%
TOTAL	**5**	**100%**

Graphic 3

Source:Universidad Técnica de Cotopaxi
Elaborated by:Sabina Chango.

In the question three, five teachers whorepresent100% said all skills can be developed with an English Interactive Lab.
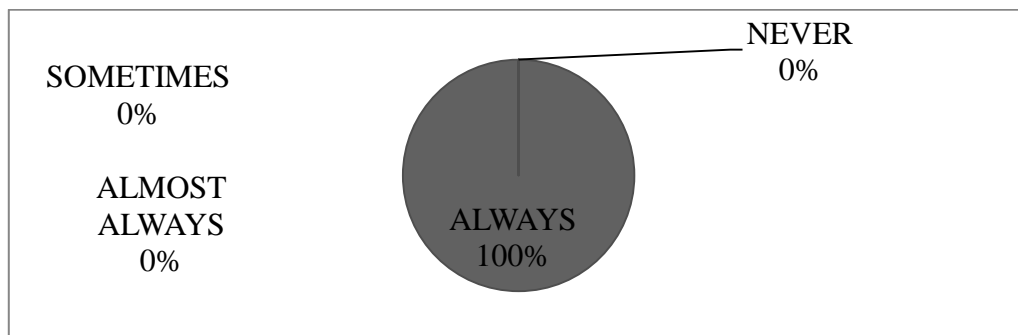
According to this information, all teachers consider that the four skills can be developed with an English Interactive laboratory because it helps people to communicate effectively and meaningfully in different situations and with different communicative purposes.

4. – Do you recommend your students to see the signwriting in the Interactive English Lab?

Table 4

OPTIONS	# TEACHERS	%
ALWAYS	5	100%
ALMOST ALWAYS	0	0%
SOMETIMES	0	0%
NEVER	0	0%
TOTAL	**5**	**100%**

GRAPHIC 4

Source:Universidad Técnica de Cotopaxi
Elaborated by:Sabina Chango.

In the question four, five teachers who represent 100% said always recommend to their students to see the signwriting in the Interactive English Lab.
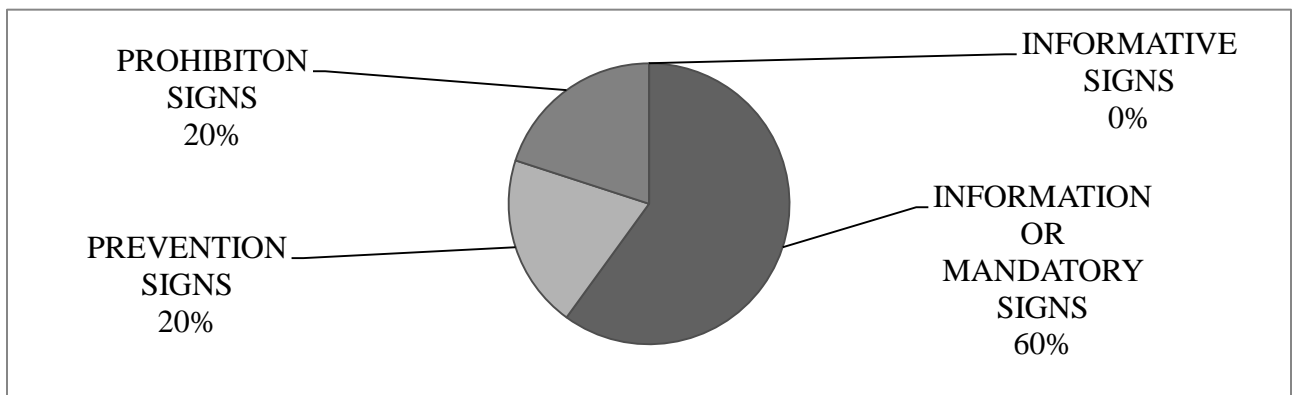
Based On this information, all teachers say they always recommend to their students see the signwriting at the Laboratory for Interactive English because this helps the students to analyze the signwriting to prevent any accidents into the laboratory.

5.-What sort of signwriting does an English lab require?

Table 5

OPTIONS	# TEACHERS	%
INFORMATION OR MANDATORY SIGNS	3	60%
PREVENTION SIGNS	1	20%
PROHIBITION SIGNS	1	20%
INFORMATIVE SIGNS	0	0%
TOTAL	**5**	**100%**

GRAPHIC 5

Source:Universidad Técnica de Cotopaxi
Elaborated by:Sabina Chango.

This question shows that 3 teachers with the 60% need information or mandatory signs, because these signs provide information to aid the user, allowing to locate with the services required certainty, 1 teacher with the 20% mentions that the prevention signs are necessary, because they prevent the user to have the risk of accidents or emergency situations or arise. And 1 teacher with the 20% requires prohibition signs, because they show the user prohibitive actions in terms of access to restricted areas, smoking in public areas, intake foods at specific sites blocked emergency exits.
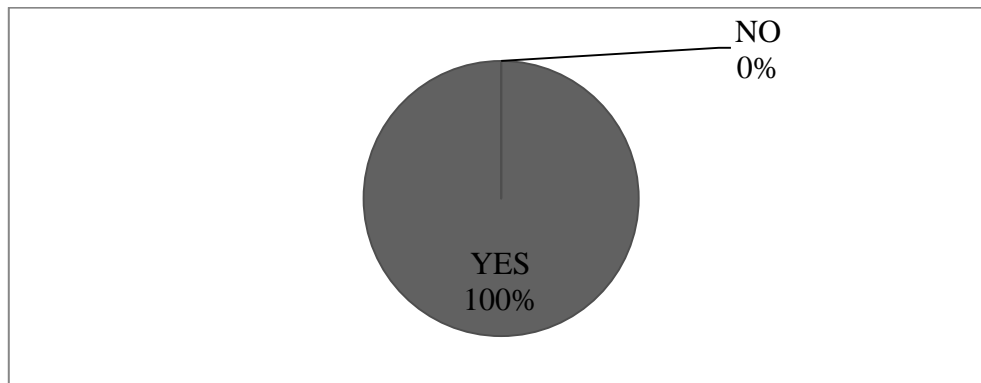
Then, it is necessary to emphasize that a good number of teachers require information or mandatory signs in an English lab because these signs provide information to aid the user to do the best use of the lab.

6. -**Do you make emphasis to respect a signwriting if you see it in the Interactive English Lab?**

Table 6

OPTIONS	# TEACHERS	%
YES	5	100%
NO	0	0%
TOTAL	**5**	**100%**

GRAPHIC 6

Source:Universidad Técnica de Cotopaxi
Elaborated by:Sabina Chango.

In the question sixth, five teachers who represent 100% say respect the signwriting in the interactive English lab.
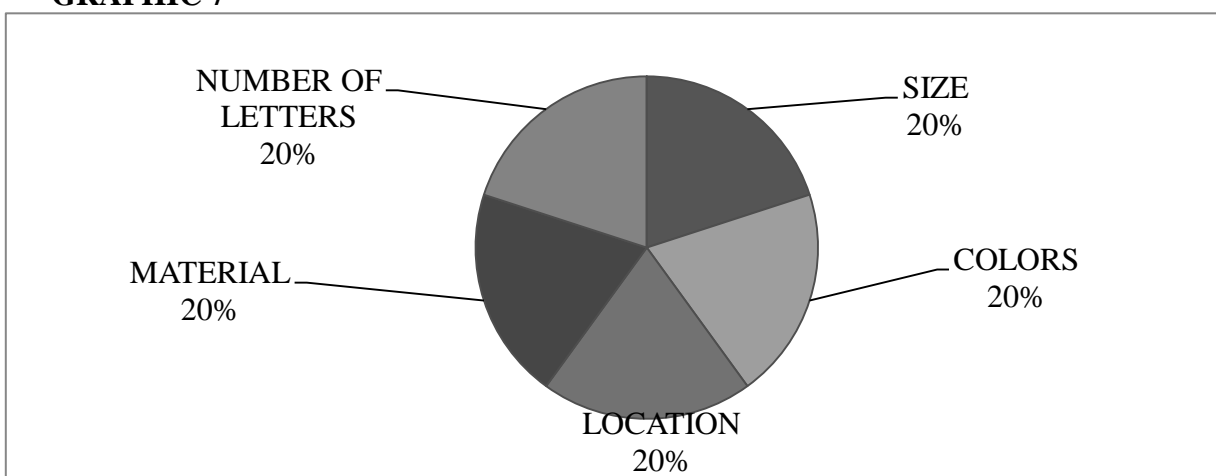
According to this information, all teachers respect the signwriting that they see at the English Interactive Laboratory because it is helpful for the proper use of materials and equipment by teachers, students and all the users of this English Interactive Laboratory.

7. - Which of these aspects are most important in the signwriting in English lab?
Table 7

OPTIONS	# TEACHERS	%
SIZE	1	20%
COLORS	1	20%
LOCATION	1	20%
MATERIAL	1	20%
NUMBER OFLETTERS	1	20%
OTHERS	0	0%
TOTAL	**5**	**100%**

GRAPHIC 7

Source:Universidad Técnica de Cotopaxi
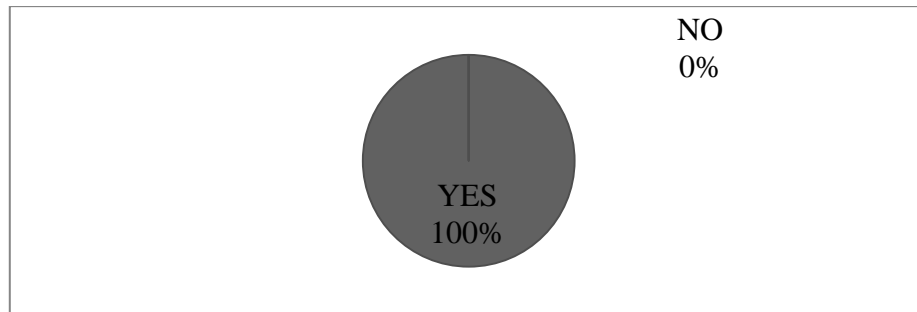Elaborated by:Sabina Chango.

This question shows that 1 teacher who represents 20% says that is important the size of the signwriting in a English lab, because this allows to see without any problem the illustrated graphics and for that reason there will be a good comprehension about signwriting.1 teacher with the 20% says that is significant the colors of the signwriting, since this attracts the user's attention ,for this reason it helps to differentiate the type of signwriting and the meaning of each one.1 teacher which corresponds to 20% says that the location of the signwriting in a English lab is important, because it must be located in visible, adequate places in order to interpret and make use of the best way, other one mention 20% that is essential the material of the signwriting in a English lab, to have visible and maintain long time the signwriting.1 teacher which represents the 20% says that is vital the number of letters of the signwriting in a English lab. Since this way you can see, read, identify and analyze near or far the meaning of each one.

8. – Do you consider that signwriting is essential in a lab in order to maintain it in good conditions?

Table 8

OPTIONS	# TEACHERS	%
YES	5	100%
NO	0	0%
TOTAL	**5**	**100%**

GRAPHIC 8

Source:Universidad Técnica de Cotopaxi
Elaborated by:Sabina Chango.

In this question, five teachers answered yes which represent 100% it is signwriting essential in a lab in order to maintain it in adequate conditions.
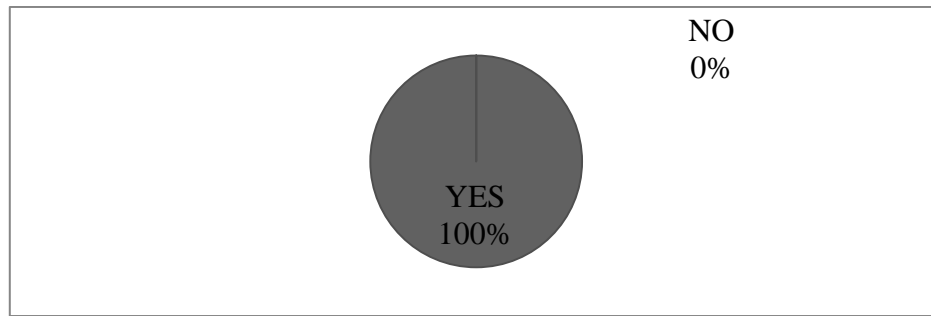
Based on this information, all the teachers believe that labeling is essential in a laboratory because it helps users to do the best use of it by taking care the materials and equipment in order to fortify their language learning skills.

9.-Would you like to have a signwriting manual into the Interactive English lab ?

Table 9

OPTIONS	# TEACHERS	%
YES	5	100%
NO	0	0%
TOTAL	**5**	**100%**

GRAPHIC 9

Source:Universidad Técnica de Cotopaxi
Elaborated by:Sabina Chango.

Here, five teachers answered yes which represent the 100% that they would like to have a signwriting manual into the Interactive English Lab.

Based on this information, all teachers say they would like to have a signwriting manual into the Interactive English lab, because this document contains activities to be followed. This manual may contain information and examples of forms and so on.
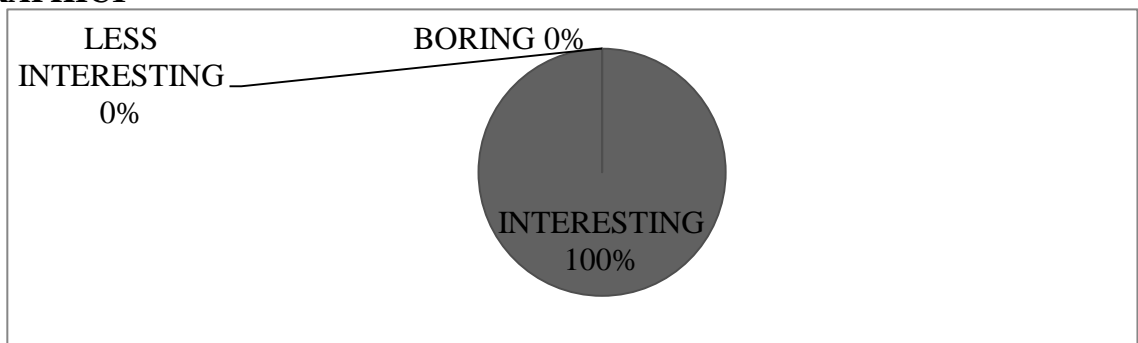
2.1.3 ANALYSIS OF THE SURVEYS APPLIED TO THE STUDENTS OF THE ENGLISH CAREER

1. **- How are the English class for you?**

Table 1

OPTIONS	# STUDENTS	%
INTERESTING	90	100%
LESS INTERESTING	0	0%
BORING	0	0%
TOTAL	**90**	**100%**

GRAPHIC1

Source:Universidad Técnica de Cotopaxi
Elaborated by:Sabina Chango.

In the first question ninety students that represent the 100% said that the English class is interesting.
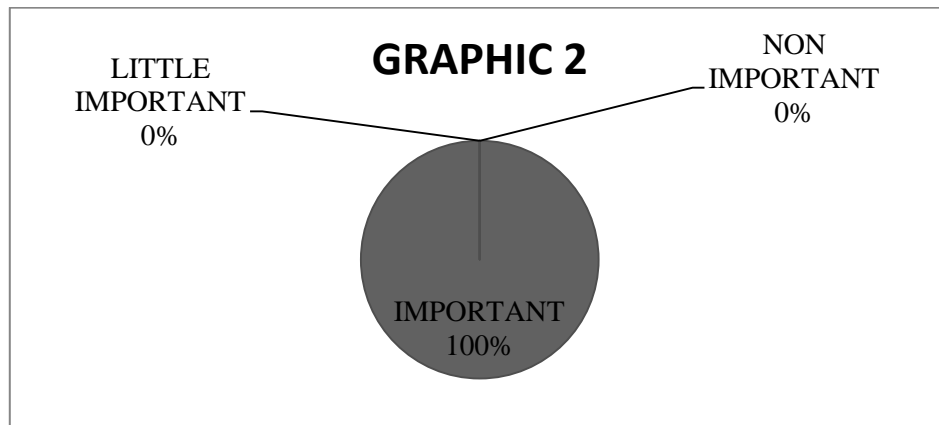
According to this information, all students consider that the English classes are very interesting because it is a big process which involves the action and process to transfer knowledge or experiences so that people can develop their minds and use the knowledge in a productive way, in order to transform people in human beings able to think and act by themselves.

2. - How important is to implement an Interactive English laboratory?

Table 2

OPTIONS	# STUDENTS	%
IMPORTANT	90	100%
LITTLE IMPORTANT	0	0%
NON IMPORTANT	0	0%
TOTAL	**90**	**100%**

GRAPHIC 2

Source:Universidad Técnica de Cotopaxi
Elaborated by:Sabina Chango.

This question shows that 90 students which represent the 100% said that it is important to implement an Interactive English laboratory.
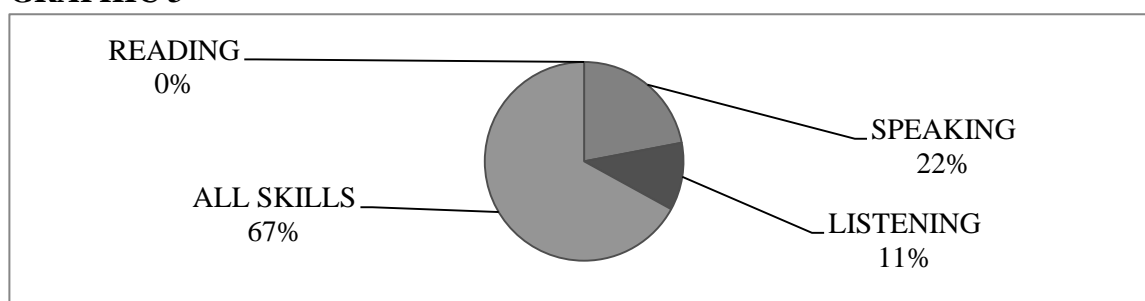
According to this information, all students consider that is important to increase an Interactive English laboratory, because this help to strengthen weaknesses that each student has, also it increases motivation so that it is the opportunity to have new technologies that are essential for students and a strong incentive for students in the teaching-learning process.

3.-What skills can you develop with an Interactive English language?
Table 3

OPTIONS	# STUDENTS	%
READING	0	0%
WRITING	0	0%
SPEAKING	20	22%
LISTENING	10	11%
ALL SKILLS	60	67%
TOTAL	**90**	**100%**

GRAPHIC 3

Source:Universidad Técnica de Cotopaxi
Elaborated by:Sabina Chango.

In the three question 20 students that represent the 22% said that speaking skills can be develop with an Interactive English language ,because this has a significant impact on the development of relationships and share knowledge so that this can lead to increased productivity,10 students that represent the 11% said that listening skills can be develop with an Interactive English language since this ability requires to identify the sounds of speech in order to process them in words, sentences and for that reason the teaching will be more communicative and 60 students that represent the 67% said all skills can be develop with an Interactive English language.
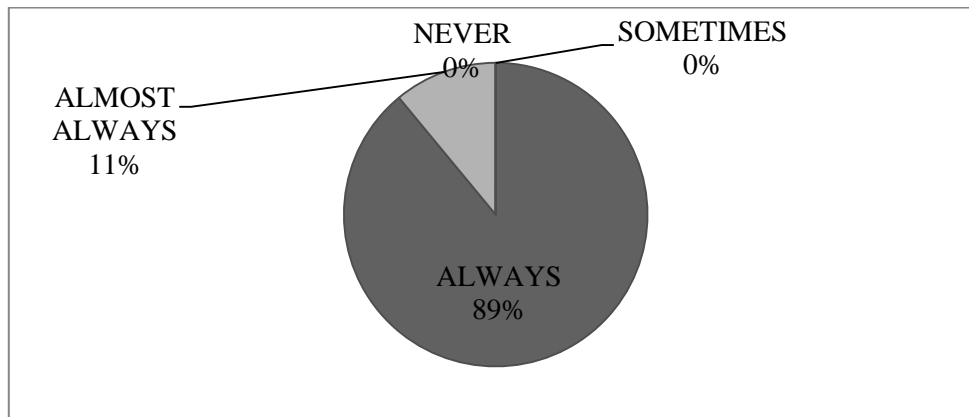
Then, it is necessary to emphasize that a good number of students said that all skills can be develop with an Interactive English language, because it must master in order to be able to communicate effectively with native speakers. The four skills are reading, writing, speaking and listening. Mastering these skills will help a learner become more competent in speaking, pronunciation, vocabulary, grammar and spelling.

4. - Do you look at the signwriting when do you go to an English lab?

Table 4

OPTIONS	# STUDENTS	%
ALWAYS	80	89%
ALMOST ALWAYS	10	11%
SOMETIMES	0	0%
NEVER	0	0%
TOTAL	**90**	**100%**

GRAPHIC 4

Source:Universidad Técnica de Cotopaxi
Elaboratedby:Sabina Chango.

In the questions four, 80 students that represent 89% said that when they go to the lab they look at the signwriting, because it allows to be informed of the risks that may be occasioned in the laboratory, also look at the signwriting is a habit that has each student on the other hand, 10 students that represent 11% said that almost always, because do not have the habit of looking at or being informed of the signwriting
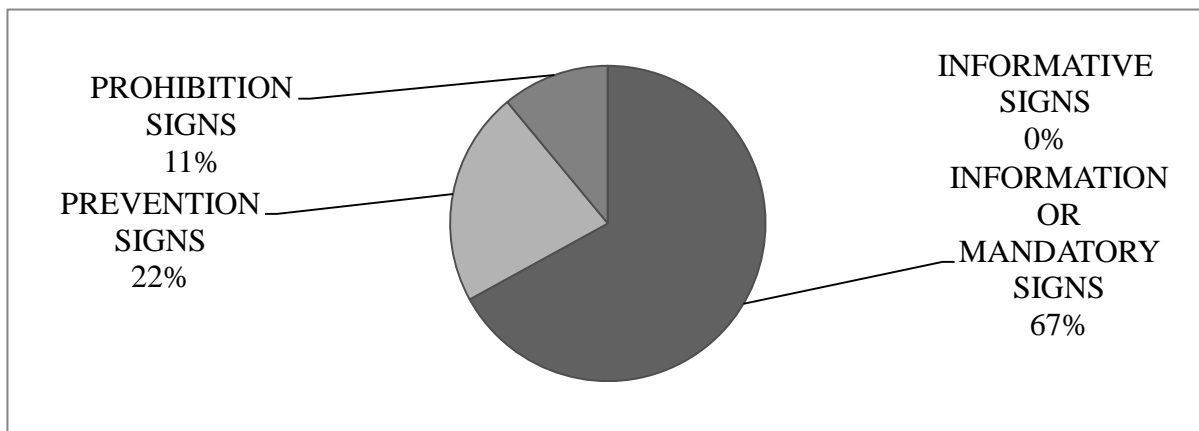
Then, it is necessary to emphasize that a good number of students mention that they always seethe signwriting when they go to the lab.

5.-What sort of signwriting does an English lab require?

Table 5

OPTIONS	# STUDENTS	%
INFORMATION OR MANDATORY SIGNS	60	67%
PREVENTION SIGNS	20	22%
PROHIBITION SIGNS	10	11%
INFORMATIVE	0	0%
TOTAL	90	100%

GRAPHIC 5

Source:Universidad Técnica de Cotopaxi
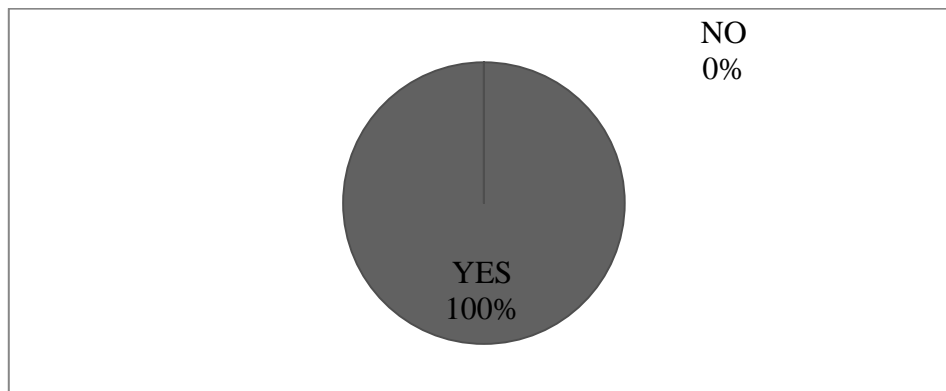Elaborated by:Sabina Chango.

This question show that 60 students with the 67% require of information or mandatory signs, because this signwriting aims to inform students of the most essential guidelines and interesting locate laboratory.20 students with the 22% require prevention signs, so that it helps to warn students of the existence of a hazard or contingency permanent or temporary within a laboratory and 10 students with the 11% require prohibition signs because they prohibit behavior likely to cause a hazard. Then, it is necessary to emphasize that a good number of students require information or mandatory signs in an English lab.

6. -**Do you respect a signwriting if you see it in the Interactive English Lab?**

Table 6

OPTIONS	# STUDENTS	%
YES	90	100%
NO	0	0%
TOTAL	**90**	**100%**

GRAPHIC 6

Source: Universidad Técnica de Cotopaxi
Elaborated by: Sabina Chango.

In the sixth question, ninety students that represent 100% said that respect a signwriting if they see it in the Interactive English Lab.
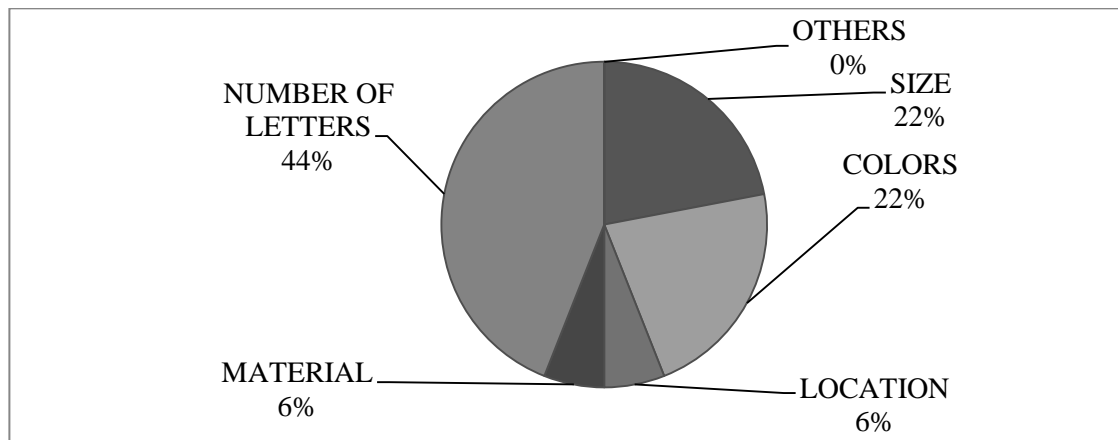
According to this information, all students consider that signwriting is necessary respect into Interactive English Lab because they believe that is a habit is the way to respect their peers, teachers and most importantly the prestigious interactive laboratory of English.

7. –Which of these aspects are most important in the signwriting in English lab?
Table 7

OPTIONS	# STUDENTS	%
SIZE	20	22%
COLORS	20	22%
LOCATION	5	6%
MATERIAL	5	6%
NUMBER OFLETTERS	40	44%
OTHERS	0	0%
TOTAL	**90**	**100%**

GRAPHIC 7

Source:Universidad Técnica de Cotopaxi
Elaborated by:Sabina Chango.

This question show that 20 students who represent 22% consider that size is important in the signwriting in English lab, to be visible to use when needed and know its meaning 20 students with the 22% express that colors is essential, because this allows more synthetic and expressive to be understood by users. 5 students who represent 6% think that location is significant in the signwriting, because they should be used in visible places in case of emergency exclusively,5 students with the 6% consider that the material is important, since it conveys a valuable quality image to understand the better way ,finally, 40 students with the 44% said that the number of letters is the most important aspect in the signwriting into the English lab since it helps to get maximum visualization or immediate attention to be interpreted quickly.
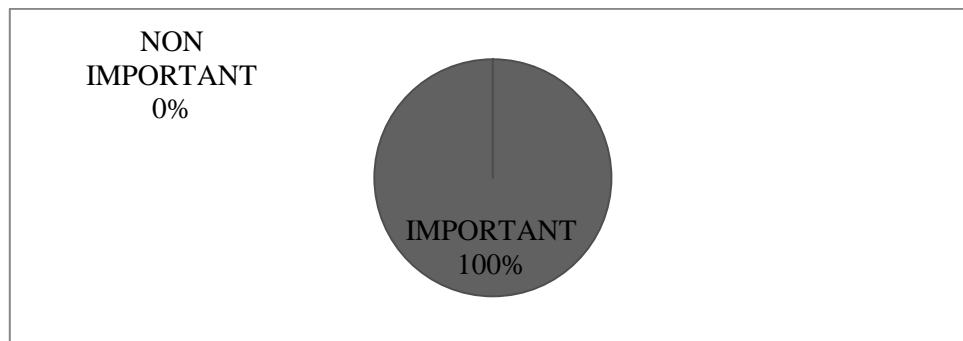
Then, it is necessary to emphasize that a good number of students consider that number of letters is most important in the signwriting in English lab.

8.-How important is to apply behavior and hygiene rules in the Interactive English lab?

Table 8

OPTIONS	# STUDENTS	%
IMPORTANT	90	100%
NON IMPORTANT	0	0%
TOTAL	**90**	**100%**

GRAPHIC 8

Source:Universidad Técnica de Cotopaxi
Elaborated by:Sabina Chango.

This question shows that 90 students who represent 100% consider that is important to apply behavior and hygiene rules in Interactive English laboratory because it helps achieve behavioral attitudes and behaviors that reduce the risk of accidents and the proper application of these rules such as do not make jokes, running, playing, pushing, yelling, eating, not leave the job site until it is finished, never use a computer or device without knowing it works perfectly when in doubt, always ask the teacher.
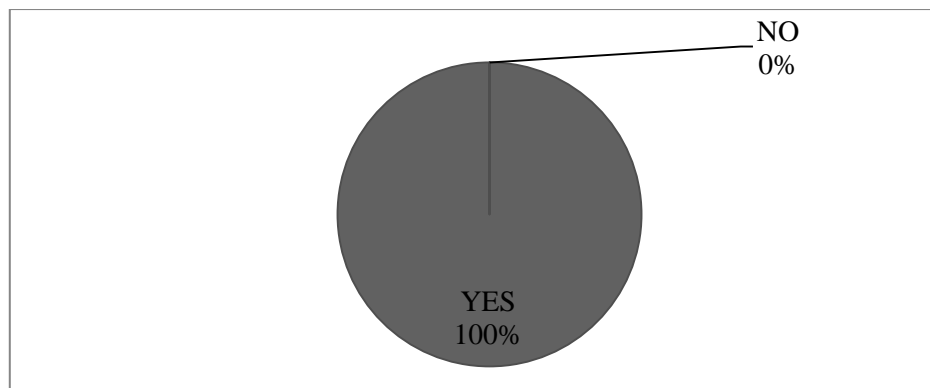
According to this information, all the students consider that it is important to apply behavior and hygiene rules in Interactive English laboratory.

9. – Do you consider that signwriting is essential in a lab in order to maintain it in good conditions?

Table 9

OPTIONS	# STUDENTS	%
YES	90	100%
NO	0	0%
TOTAL	**90**	**100%**

GRAPHIC 9

Source:Universidad Técnica de Cotopaxi
Elaborated by:Sabina Chango.

In this question ninety students that represent the 100% consider that signwriting is essential in a lab in order to maintain it in good conditions so that all students are informed of the types of signwriting to be used in the right way to avoid any accidents.
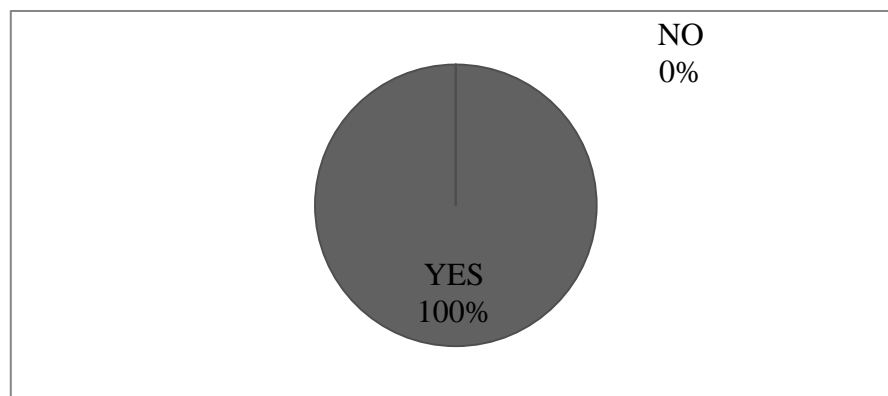
According to this information, all students consider that signwriting is essential in a lab in order to maintain it in good conditions.

10.Would you like to have a signwriting manual into the Interactive English lab?

Table 10

OPTIONS	# STUDENTS	%
YES	90	100%
NO	0	0%
TOTAL	**90**	**100%**

GRAPHIC 10

Source:Universidad Técnica de Cotopaxi
Elaborated by:Sabina Chango.

In this question ninety students that represent the 100% said that they like to have a signwriting manual into the Interactive English lab as a guide to inform the processes that students must use in order to prevent accidents.

According to this information, all students said that they like to have a signwriting manual into the Interactive English lab.

2.2 CONCLUSIONS AND RECOMMENDATIONS

CONCLUSIONS

➢ The teachers consider that is very essential to have an interactive English laboratory with the necessary signwriting.

➢ A signwriting manual in an interactive English Lab is indispensable to create a sustainable lab safer, more reliable for the use of all users.

➢ English classes can be more interactive, dynamic, and active, through an Interactive English lab.

➢ The Interactive English Lab will have different types of signage for the correct use by the teachers and students.

➢ It is important to meet the standards of behavior and hygiene in an English lab to grow in a correct environment

RECOMMENDATIONS

> ➢ The implementation of the suitable signwriting into the English laboratory in order to use it and protect it properly.

> ➢ Perform a manual for establishing an obligation or a prohibition, and adapt to its new signwriting rules.

> ➢ The English Interactive Laboratory should contain all the necessary resources in order to improve the English language learning.

> ➢ Socialize all types of signaling that exist within an interactive laboratory of English to keep it in good operating conditions.

> ➢ Comply all rules of hygiene and behavior and thus to avoid problems into the interactive English laboratory.