



ESCUELA SUPERIOR POLITÉCNICA DEL LITORAL

FOLLOW-UP OF GRADUATES REPORT

ELECTRONIC AND TELECOMMUNICATIONS ENGINEERING CARRER

YEAR 2013

(Four years after Grade 2013)

1. Introduction

According to the requirements, established by the Social Community Link Department, a new Survey format to Follow-up the graduates of all ESPOL careers was instituted.

This information is important because it's a requirement to make the career's improvement plan, the one indicated in the rules created by the regulation organism, CEAACES.

In case of FIEC, specifically Electronic and Telecommunications engineer career (CIET, acronym in Spanish), new forms were sent by: social media, e-mails and phone calls. Furthermore, a link for graduates to easily fill all surveys was supplied.

The period for filling the surveys was between August, 2017 to January, 2018. And, the total amount of graduates in 2013 was 71 people.

For this research, according to specifications established by CEAACES, a population sample of minimum 10% must be taken. Altogether, 18 graduates were surveyed. That represents the 25% of the total amount.

With the obtained data, a new analysis was carried out in important points to know how is the status of the graduates of Electronic and telecommunications engineering.

1.1. Objectives

- Analyze the status of graduates from CIET in 2013
- Verify the work status of graduates from CIET in 2013
- Find out the criteria of graduates about the career and University.

According to surveys, some statistical analysis on specific topics were realized.

Topics as:

- Learning results impact.
- Work Status.
- Work sector where graduates work.
- Work area.
- Graduates' Current salary.
- Information about the career and University (ESPOL).

Next, all analysis about each topic is detailed by statistic graphics.

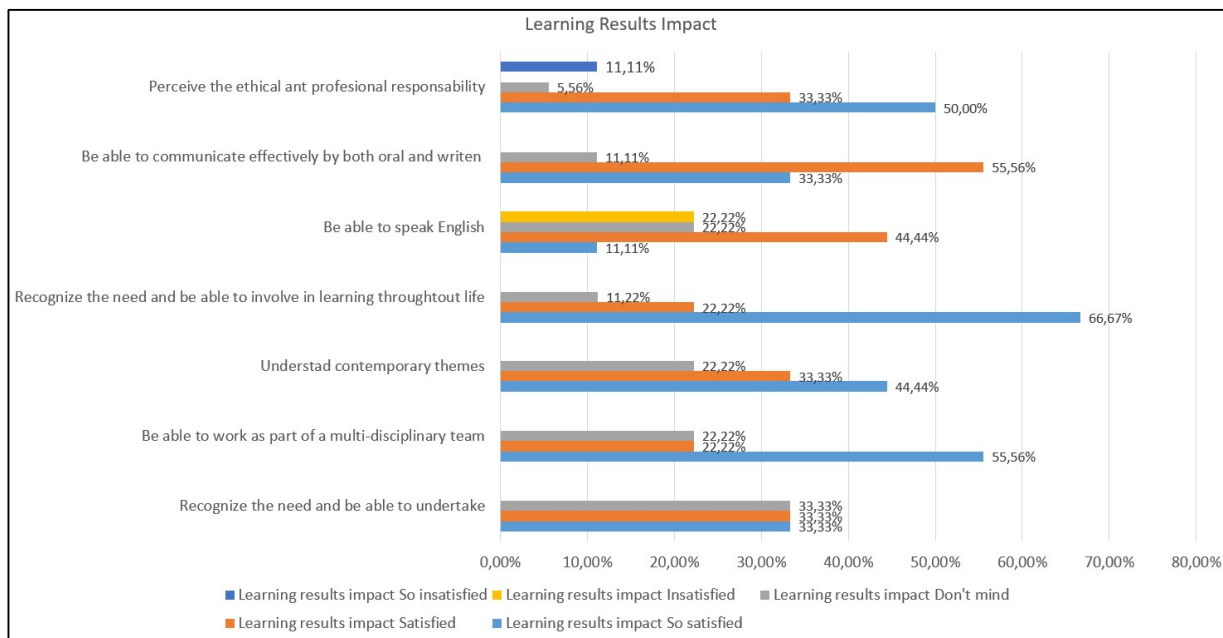
1.2. Learning results impact.

The strongest and weakest results of the survey were considered, and are detailed in the next part of this report.

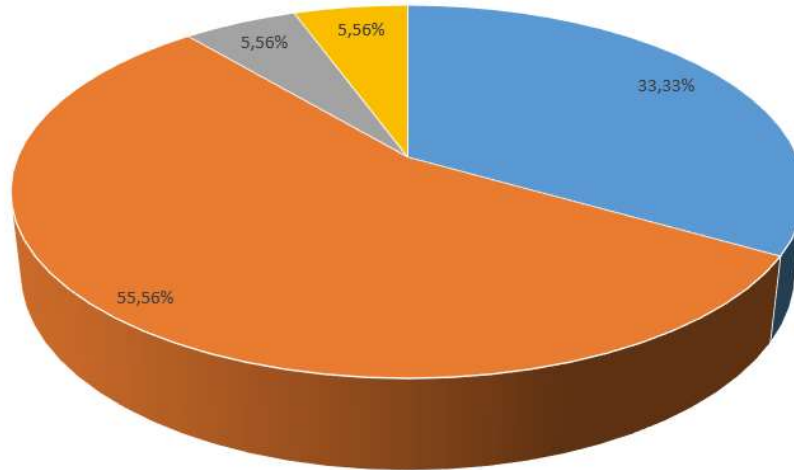
Inside the surveys, most graduates are satisfied with learning results. Those are related in their career path, and they are:

- Perceive the ethical and social responsibility.
- Be able to work as a part of a multi-disciplinary team.

However, the weakest learning result is “Having the ability to speak English” and the useless in their career path is “Understanding contemporary topics”.

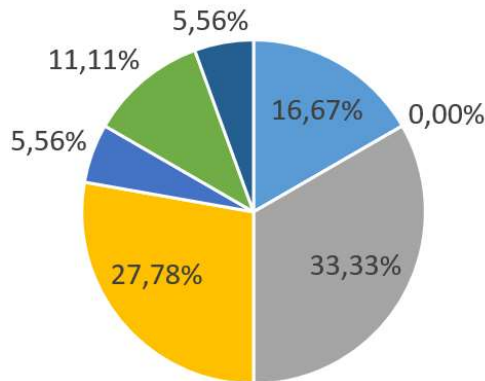


Learning results considering the strongest



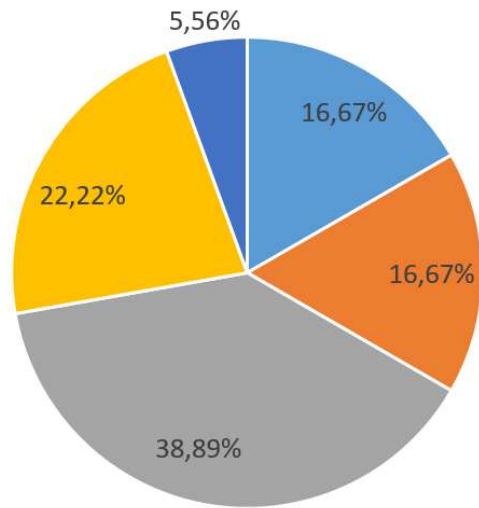
- Perceive the ethical and profesional responsibility
- Recognize the need and be able to involve in learning throughout life
- Be able to work as part of a multi-disciplinary team
- Recognize the need and be able to undertake

Learning results considering the weakest



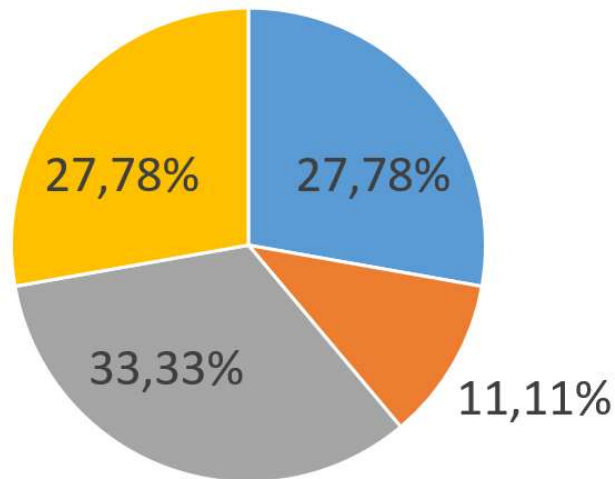
- Understand the ethical and profesional responsibility
- Be able to communicate effectively by both oral and written
- Be able to speak english
- Recognize the need and be able to involve in learning throughout life
- Understand contemporary themes
- Be able to work as part of a multi-disciplinary team
- Recognize the need and be able to undertake

Learning results considering the most useful on the career path



- Perceive the ethical and profesional responsibility
- Be able to communicate effectively by both oral and writen
- Recognize the need and be able to involve in learning throughtout life
- Be able to work as part of a multi-disciplinary team
- Recognize the need and be able to undertake

Learning results considering the less useful on the career path



- Be able to communicate effectively by both oral and writen
- Be able to speak english
- Understand contemporary themes
- Recognize the need and be able to undertake

In the survey, most of graduates feel satisfied with learning results. Those are related on the career path, and they are:

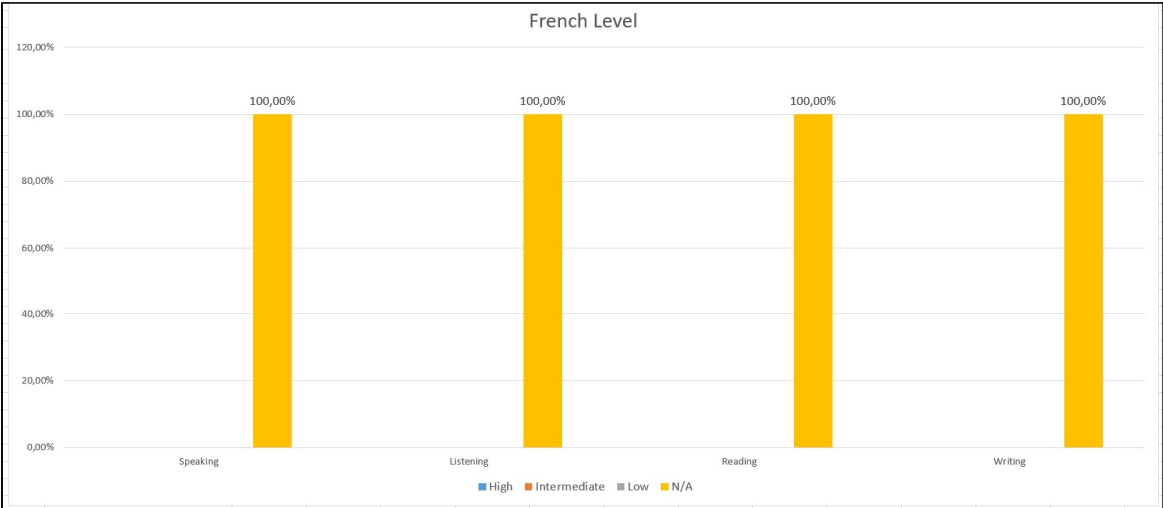
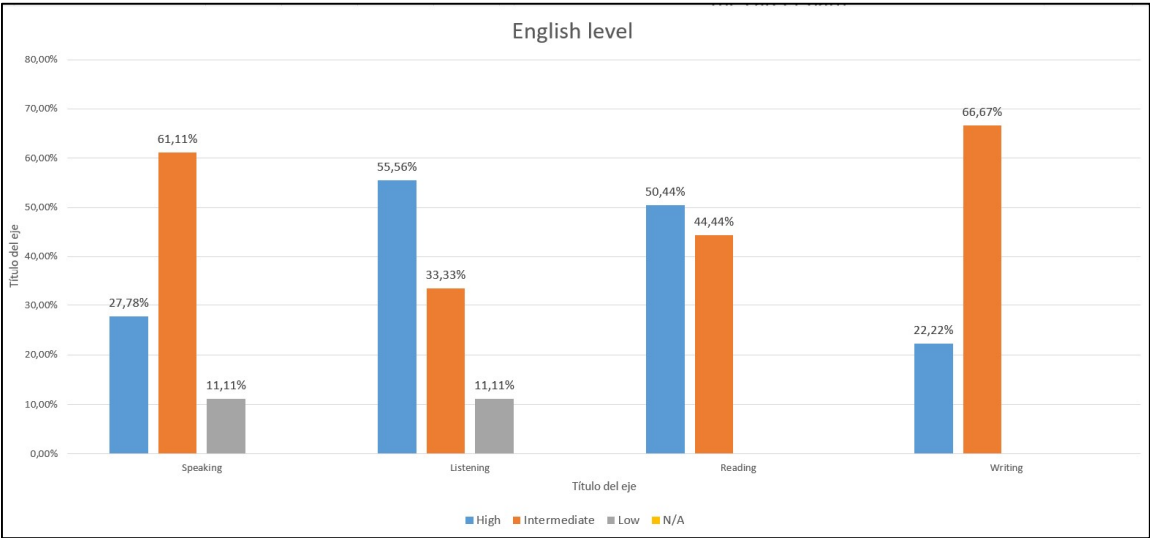
- Perceive the ethical and social responsibility
- Be able to work as part of a multi-disciplinary team.

However, the weakest learning result is “Be able to speak English” and the less useful is “Understand contemporary themes”.

1.3. Language level.

The results from the surveys show that most of graduates’ English level is:

- Intermediate at speaking.
- Intermediate at listening.
- Intermediate at reading.
- Intermediate at writing.



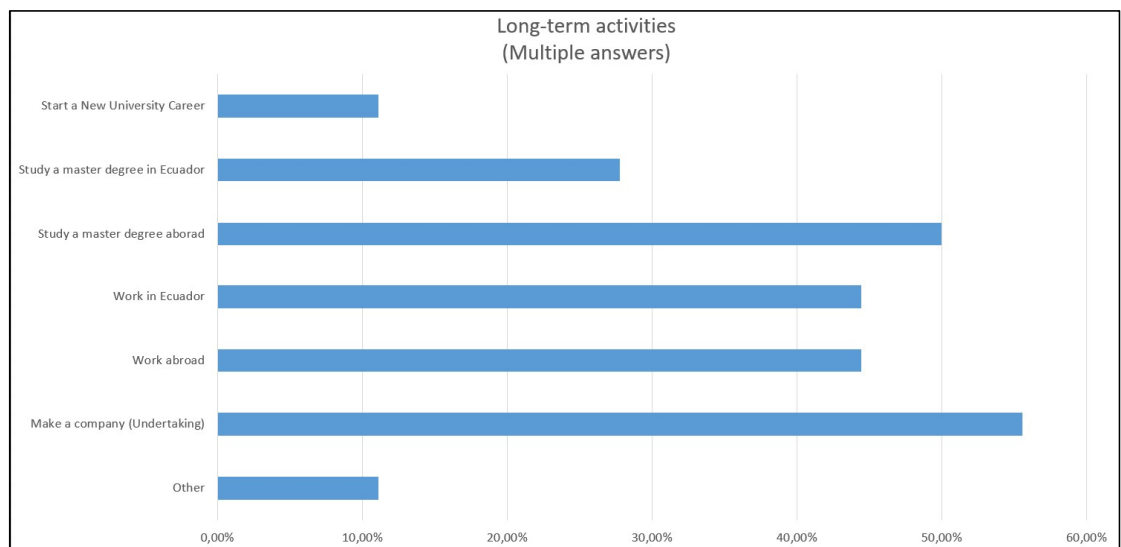
Surveys shows that only a few graduates' French level is:

- Intermediate at speaking.
- Intermediate at listening.
- Intermediate at reading.
- Intermediate at writing.

There isn't any graduate with knowledge of languages like Portuguese, Chinese or German.

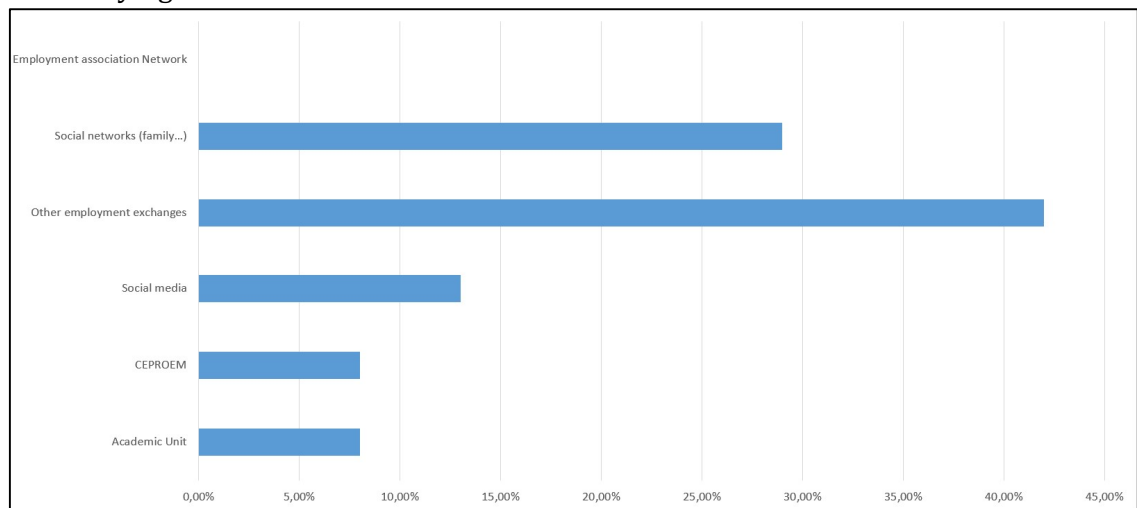
1.4. Realized activities.

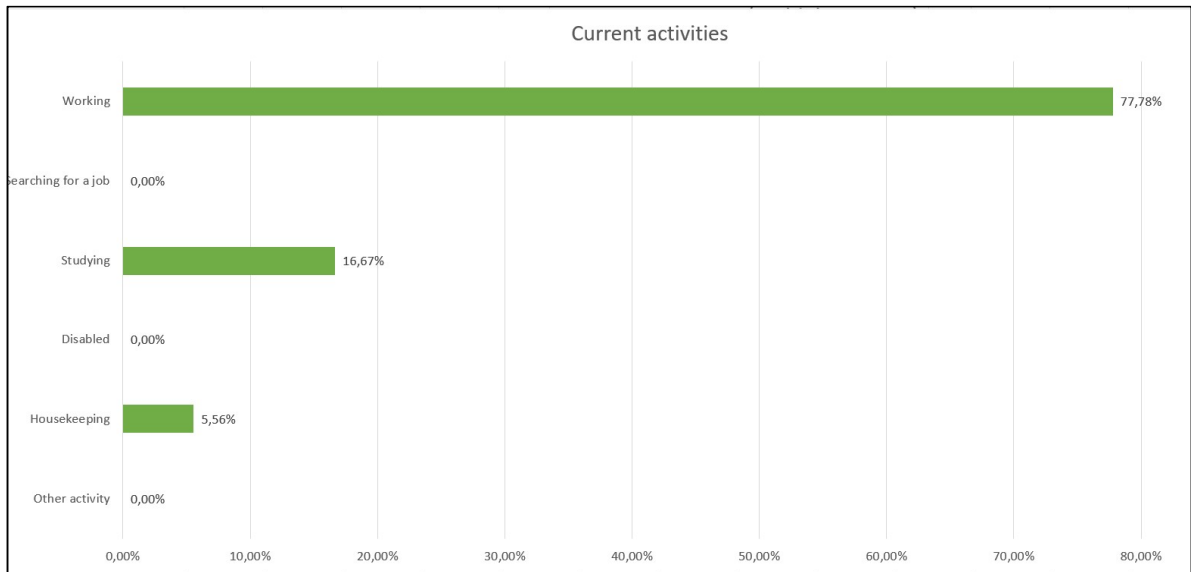
The Surveys show that most of graduates prefer to make a company and study a master degree abroad.



1.5. Employ.

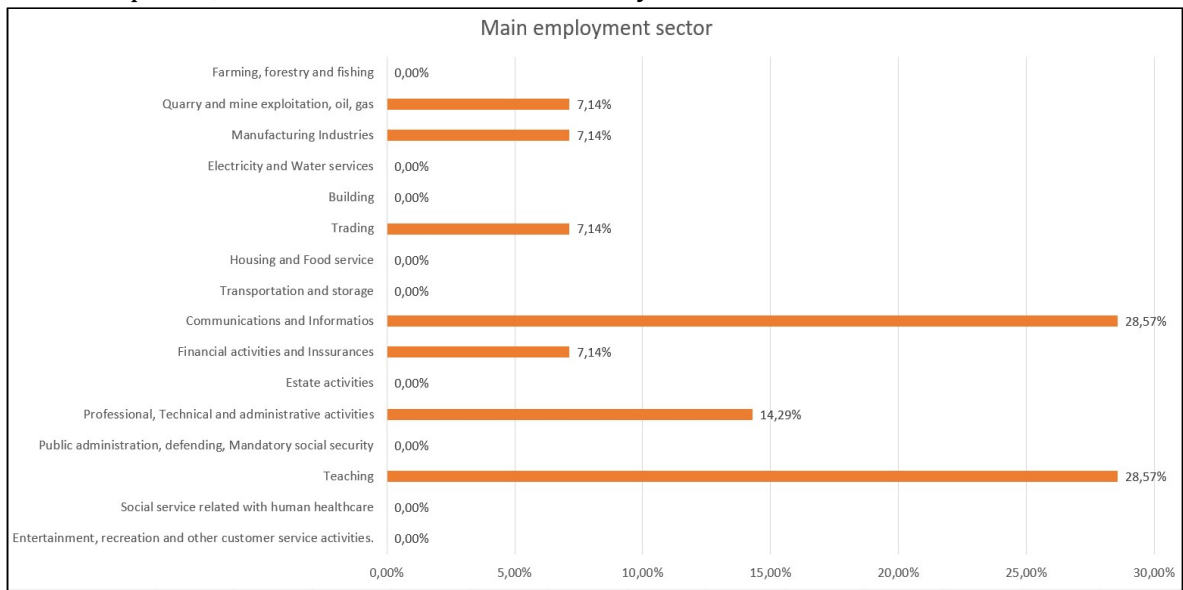
According to the results in Surveys, the graduates got their jobs by Social networks or other employment exchanges. Currently, most of them are working and studying.

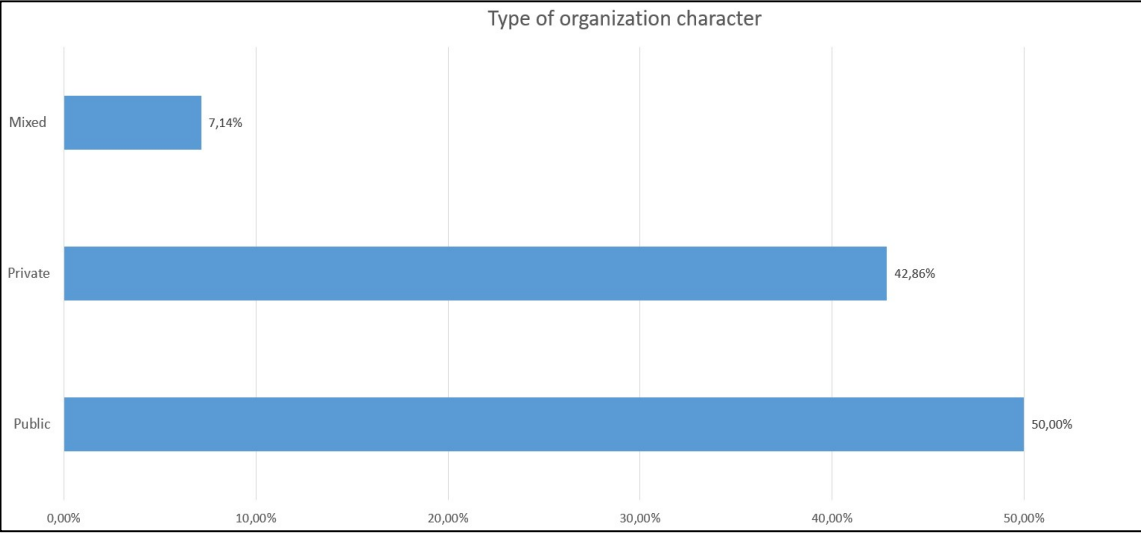
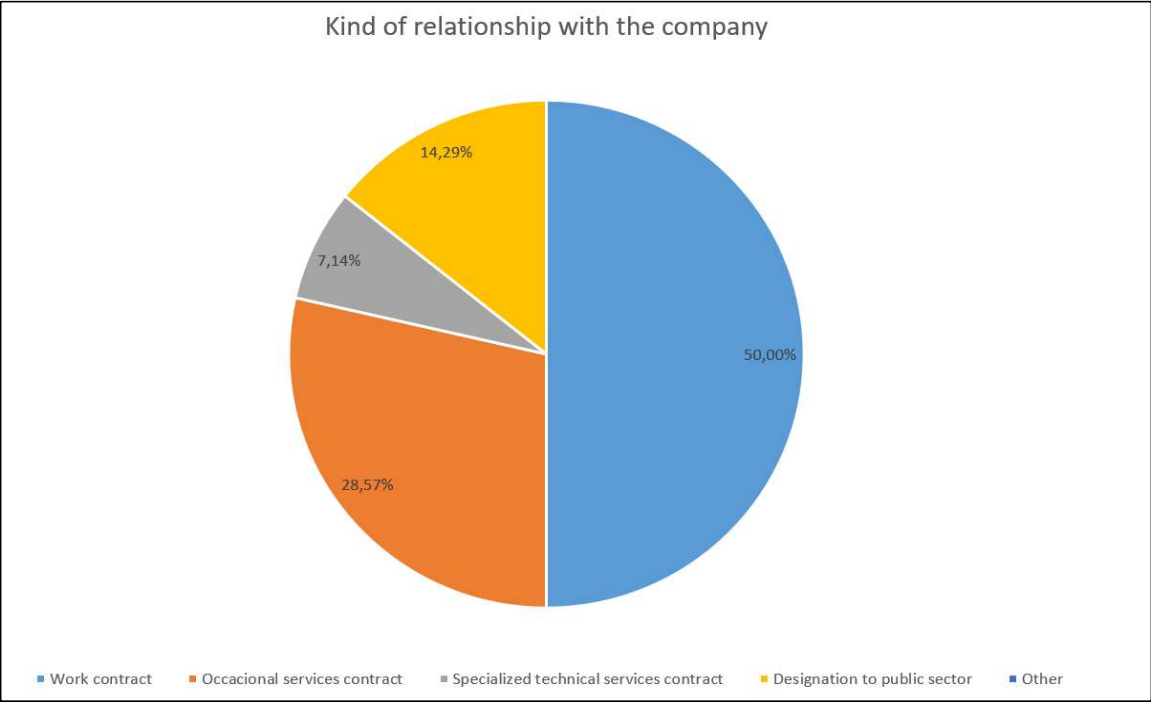




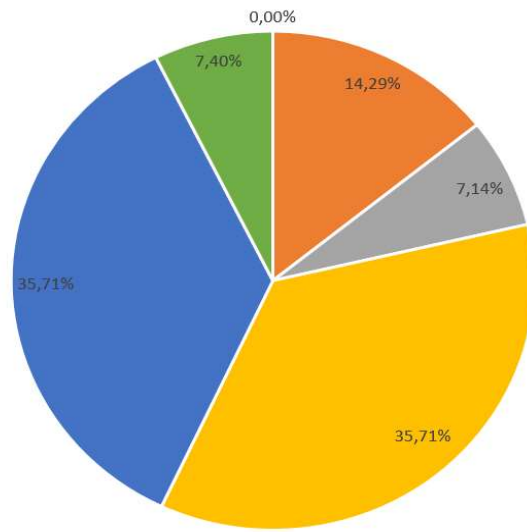
1.6. Work sector.

According to surveys made to graduates, main work sector for them is “Communications and information” which divides in subsectors like Telecommunications, Data Center, Internet. All of them, from private companies in Guayaquil. Furthermore, 75% of graduates work for big companies, and 50% of them receive a salary between 1001 to 1500 USD.



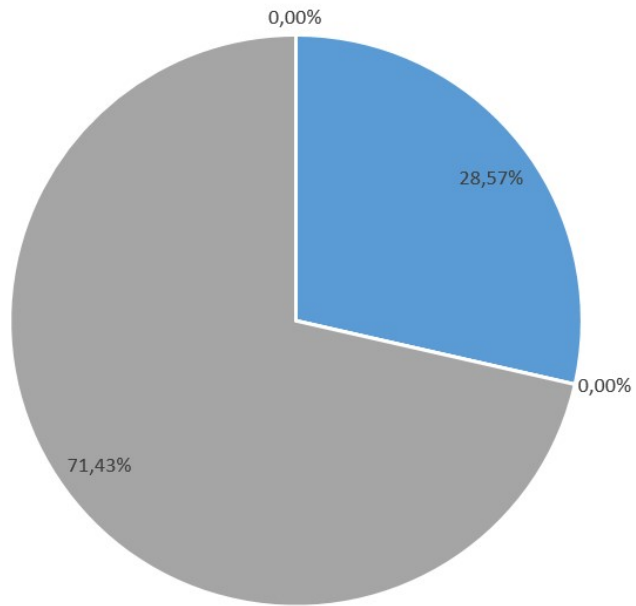


Income labor from last month



■ \$0 - \$375,00 ■ \$376,00 - \$700,00 ■ \$701,00 - \$1000,00 ■ \$1001 - \$1500,00 ■ \$1501 - \$2000,00 ■ More than \$2000,00

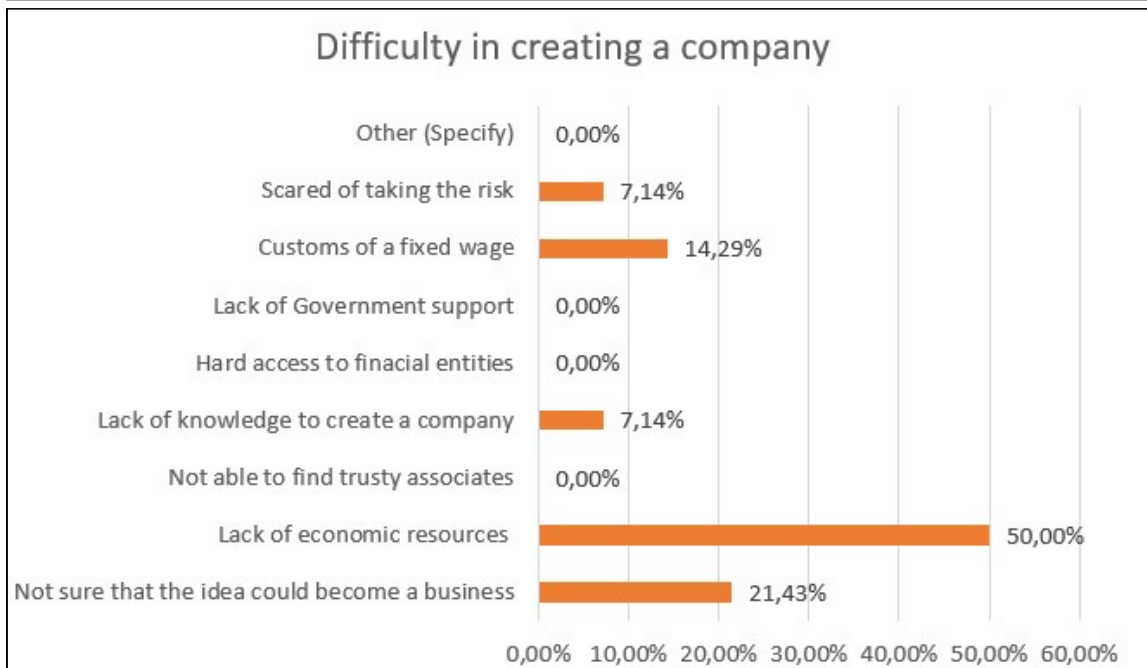
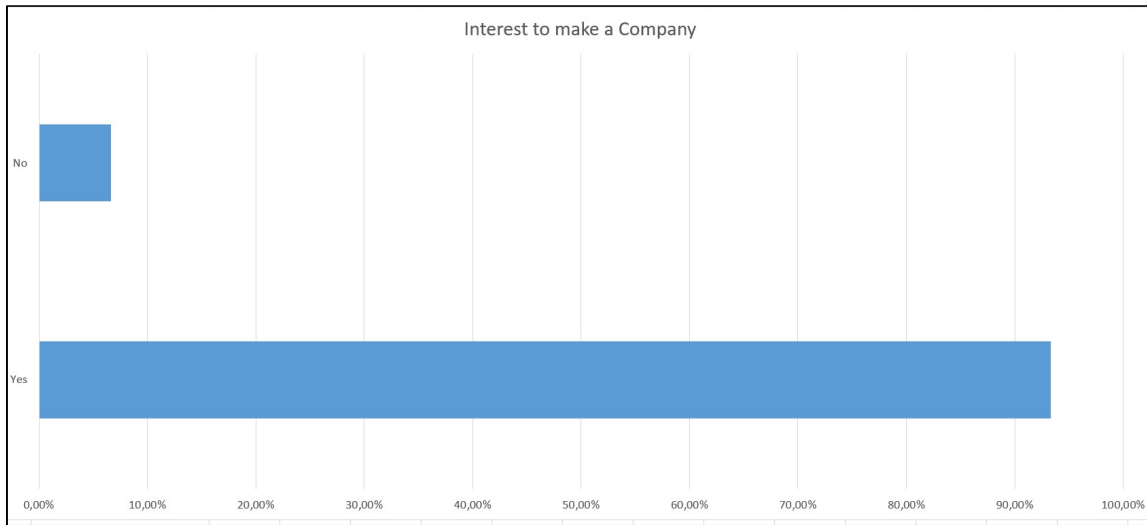
Activity Scopes from the company



■ Local ■ Regional ■ National ■ Multi-national

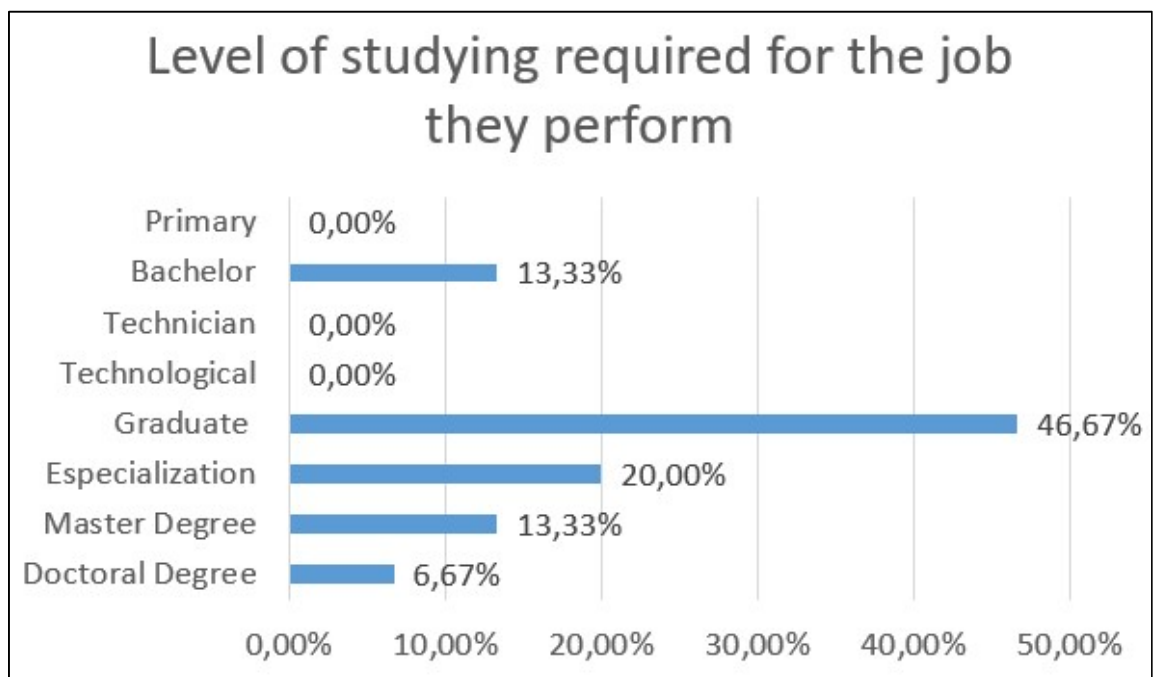
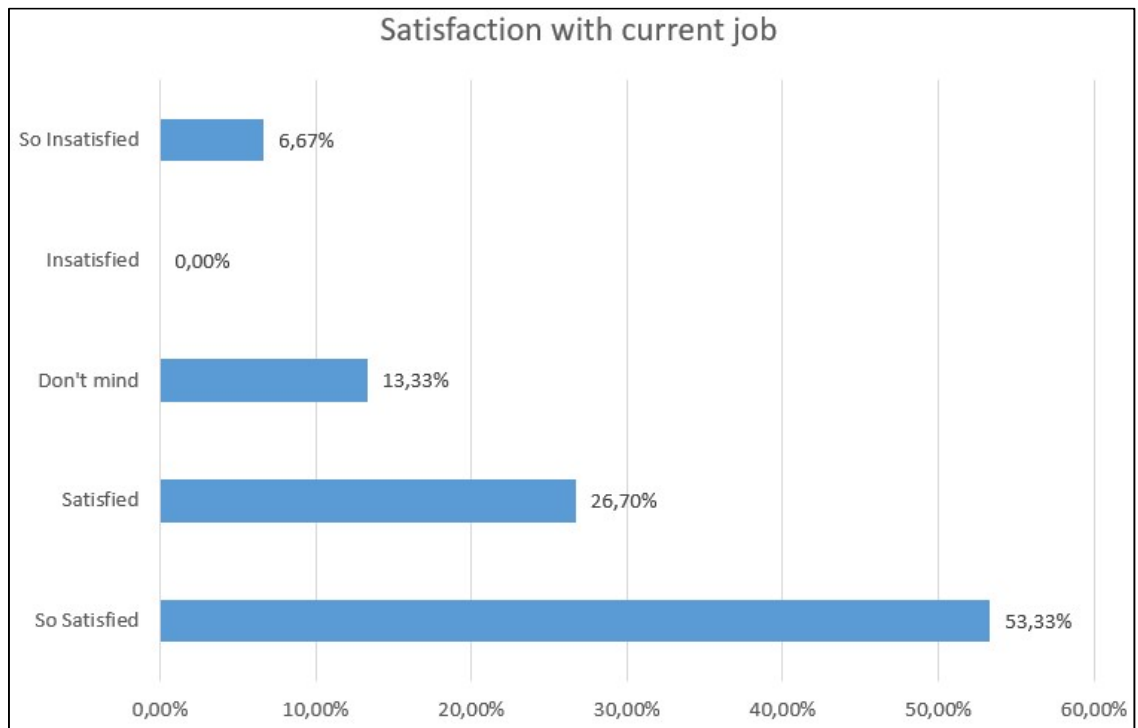
1.7. Entrepreneurship.

According to the survey, most of graduates manifest interest in making a company and at the same time, the trouble of not having knowledge enough to create a company and the lack of economic resources as it's shown on the next data:

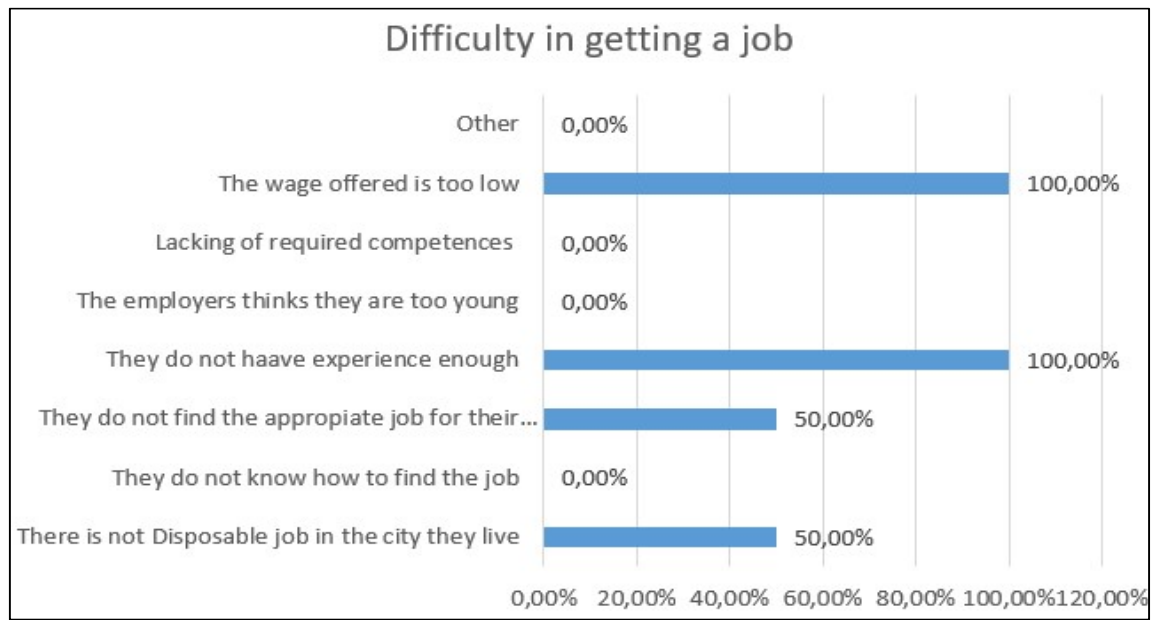


1.8. Surveys in ESPOL General data.

According to the Survey results, 60% of graduates says that for job, it has been useful the knowledge, the abilities and the skills learnt during the career. Furthermore, they say that their current job allows them to grow professionally. However, 40% of graduates say that for their current job they require a Technological studying level.



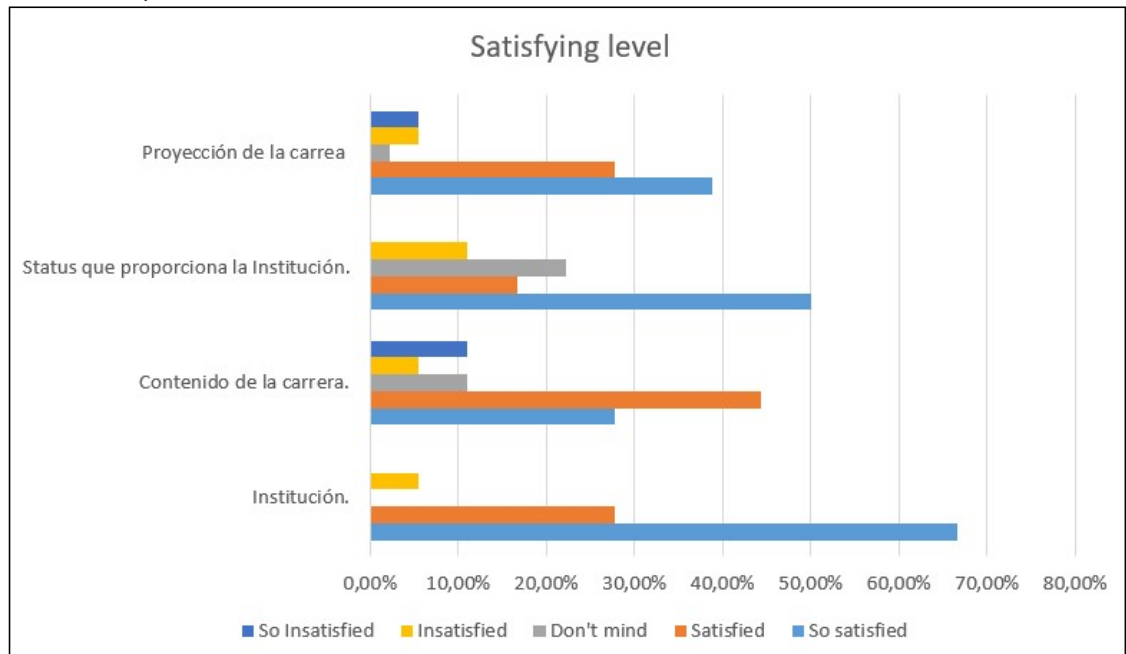
According to the survey, about the difficulty in getting a job, most of graduates agree in two multiple option answers: "There is not a disposable job in the city they live" and "The wage offered is too low".



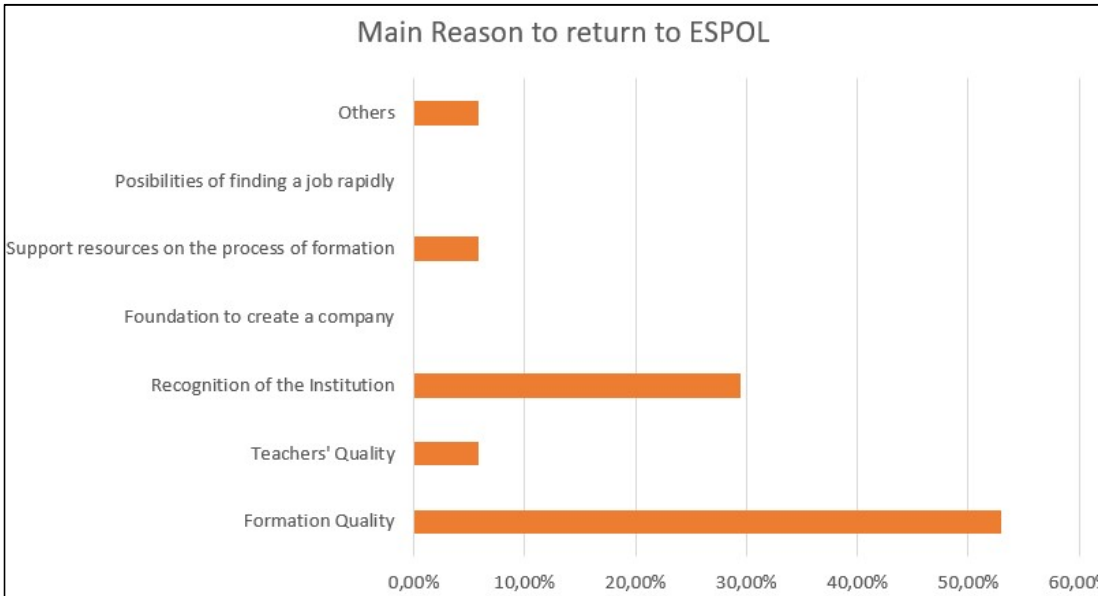
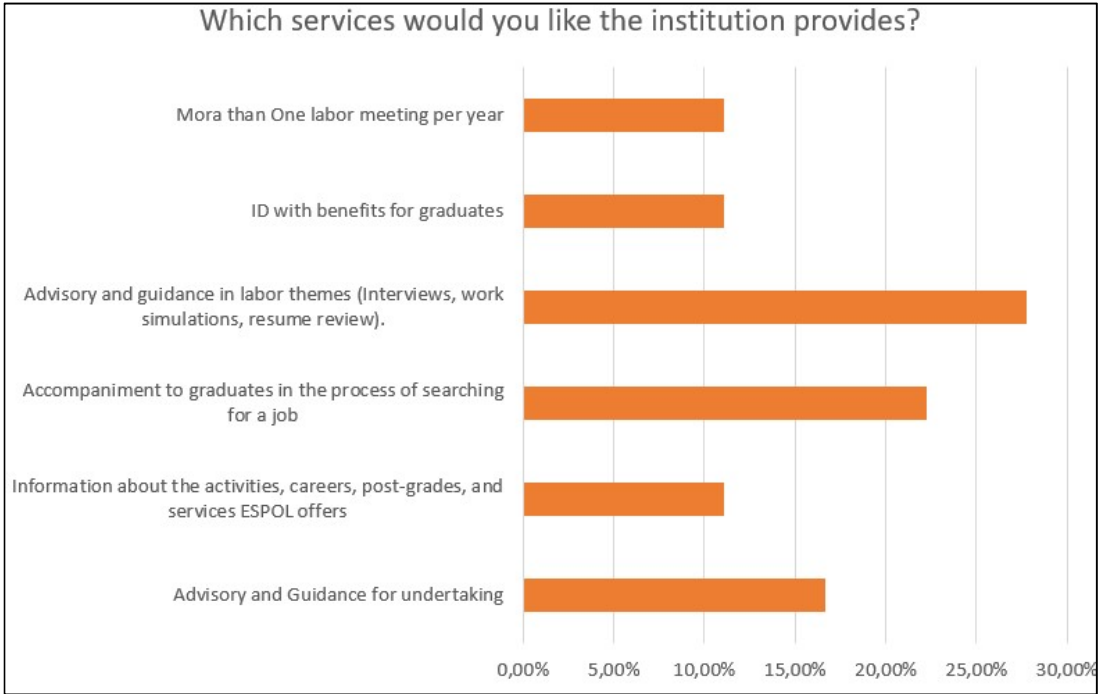
1.8.1. Satisfying level.

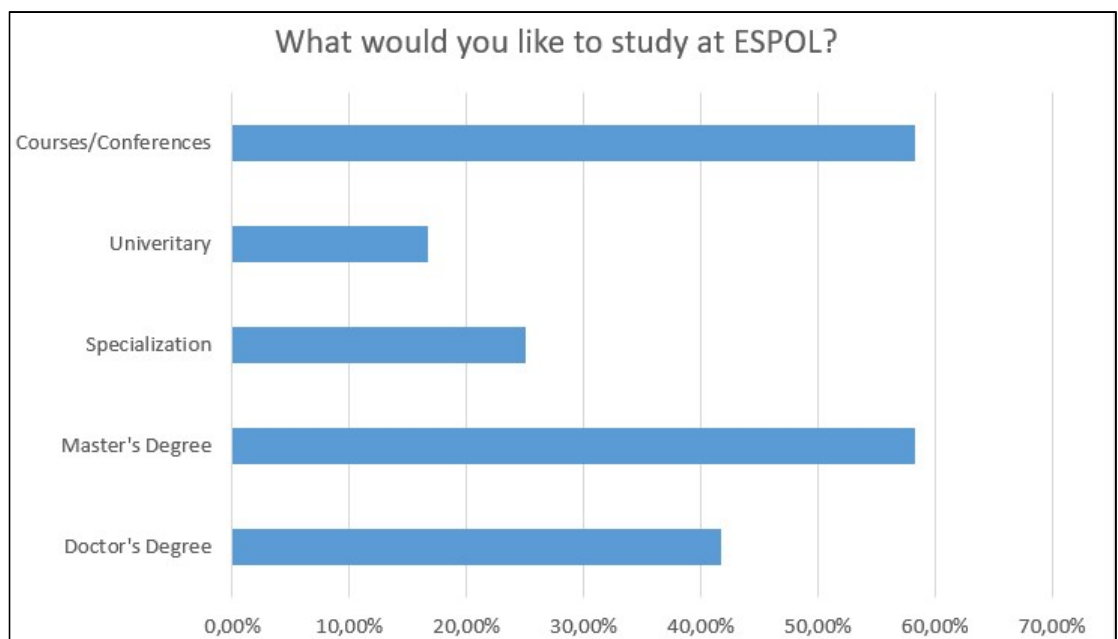
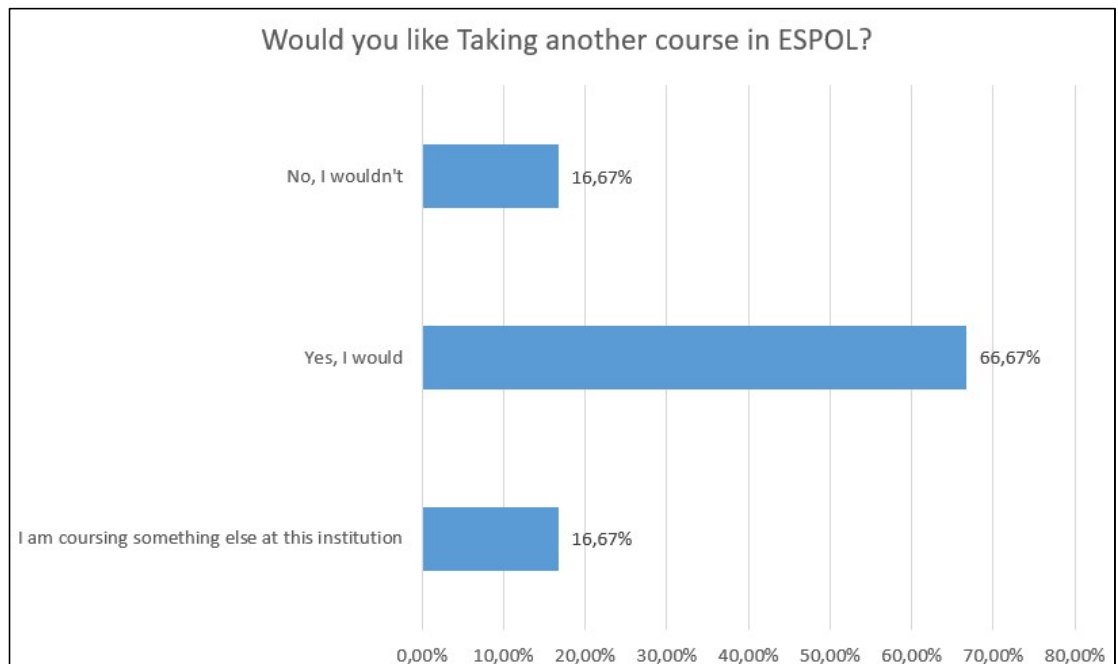
The satisfying levels are classified by:

- Institution.
- Career contents.
- Status provided by the institution.
- Career Projections.



According to the results, 66.67% of graduates say that the main reason they wish return to ESPOL is the recognition of the Institution.





1.9. Conclusions.

- The 2012 Promotion graduates consider that the institutional learning results as “Perceiving the ethical and social responsibility” and “Being able to work as a multi-disciplinary team” are the strongest and the most applied results in their career path.
- The 60% of graduates have an intermediate English level, so, they consider that the weakest institutional learning result is being able to speak English.
- The 56% of graduates prefer professional updating by master’s degrees, curses or Conferences.

- For Graduates, more used Job searching channels are social networks and other employment exchanges.
- The 75% of graduates work for big companies and 25% of them work in medium ones. All located in Guayaquil and 50% of them receives a wage income between 1001.00 to 1500.00 USD, 25% receives a wage income between 701.00 and 1000.00 USD and the others between 1501.00 to 2000.00 USD.
- The 75% of graduates work con Ecuadorian companies and 25% for multinational ones. Graduates find at subsectors of Telecommunication, Datacenter, and the Internet, so, 50% said that their employee is directly related with CIET and the others said that it's indirectly related with CIET.
- The 60% of Graduates are interested in creating a company, but, at the same time, everyone concluded the difficulty in creating a company is for the lack of own resources and the lack of knowledge in how to create a company.
- The 56% of graduates are so satisfied with the institution.
- The 88.89% of graduates are so satisfied with the content of the career and, furthermore, 57% are disposed to take a master's degree at ESPOL.
- The 45% of graduates would like Institution gave them an accompaniment in the searching for job process.