University Of Palestine

Faculty Of Information Technology

second Semester 2020 - 2021

Teaching Deaf and Dumb Programming Language integrating them into the labor market (The Silent Programmer)

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بسم الله الرحمن الرحيم

" إِنَّ شَرَّ الدَّوَابِّ عِنْدَ اللَّهِ الصُّمُّ الْبُكْمُ الَّذِينَ لَا يَعْقِلُونَ "

صدق الله العظيم

سورة الانفال الأية { 22 }

Acknowledgement

In the name of Allah, the most merciful and beneficent. we praise and thank Allah for His greatness and may the peace and blessings be on the most noble of Prophets and Messengers, our Prophet Muhammad Peace be upon him, and on his family and all of his Companions. We thank Allah the lord of the world for giving us the opportunity and the strength to finish our Bachelor degree research. We are sincerely grateful for all the blessings we had during working with our final project, and Allah guidance throughout our journey. First and foremost, we like to express and offer our sincerest gratitude to our supervisor Eng. Roaa Aldaghma the director of Information Technology Department in University of Palestine, for her continuous support and guidance. Eng. Roaa Aldaghma was very optimistic and taught us in a friendly manner. And we thank her for her patience and wisdom to solve our problems we encountered, in the process of working on the research. We Would like to thank all our beloved parents, families and friends, who longed to see our achievements. They supported us and were there for us during many circumstances, without them we would not be able to achieve this success, we own them so much. Now, we would like to thank our colleagues' class of 2020, and our university friends, we embrace all the joyful moments we spent together, also when

they used to share their sense of humor, even when we were under pressure. We appreciate their discussion, suggestions on our thoughts. Lastly, we believe that hard work would bring us to where ever we want to go, and through that journey we have to be thankful for any person who helped us or taught us a new experience directly and indirectly. Their sense of humor, even when we were under pressure. We appreciate their discussion, suggestions

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Abstract

Our application works to provide a high-quality opportunity for a group of educated young people from the deaf and dumb segment who did not have the opportunity to participate in training courses that targeted all other segments of society with the exception of them due to the prevailing view of society for this category and that they cannot be used, so through our application we will provide an opportunity for these The class is to learn the programming language and teach it to others of the same class and make it an educational curriculum in deaf and dumb schools by starting to teach them the easiest programming language, which is Python, in addition to developing their societal abilities during this period and qualifying them to engage in self-employment platforms.

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CHAPTER (1) : INTRODUCTION

1.1 Preface

In this chapter, we will tell you with a quick and simple overview about the idea of the application and the importance of the application for the deaf and dumb group and how much they need such applications instead of dispensing with them and there are some problems that will face us in this project, but hand in hand we will overcome all problems

1.2 Background

In the application of the silent programmer, we target the deaf and dumb learner category because they suffer from a lack of access to training courses that help them to engage in society, benefit and benefit from community resources. The percentage of deaf and dumb people in our society who suffer from scarcity of educational and training opportunities has increased Providing opportunities for this category in the field of learning programming through teaching them and mastering the Python language, why Python? Because the global guidelines are in "The Zen of python" Python, which contains 19 guiding principles, found that the Python language is ideal for teaching deaf people to programming.

Article 5 of Law 4 in 1999 stated that there is a rate of 5% of public jobs that people with disabilities must benefit from.

According to 2011 statistics, the number of deaf and dumb adults in the Gaza Strip reached 4476 in general, and the percentage of educated people was 10%. As the years progressed, this percentage increased more and more and did not find anyone providing training opportunities for them to integrate into society. We are in our project and through Our application We are working hard to provide these training opportunities and courses for this category in order to help them integrate into society.

1.3 Motivation for the research

We chose this project because the deaf and dumb group is a marginalized group in society and because everyone finds it difficult to deal with them, so the experience of such a project with this group is considered a very big achievement and will achieve wide successes in the future.

1.4 Problem statement

Many of the deaf and dumb group face a lack of interest and marginalization significantly from all categories of society they thought they were not benefiting anything so we decided here in our application to teach the deaf and dumb class and teach them programming languages and destroy the labor market and benefit from them more, especially since the category of deaf and dumb contains many talents at all levels of professional, scientific and teaching as well as the teaching curricula of deaf people in the language and dumb and their teaching approaches do not contain the teaching of the language of special programming languages, so we decided to also be a curriculum for the special programming languages within the special schools. In the language of the deaf and dumb

1.5 Research question

1.5.1 Main questions

How will the application contribute to teaching a programming language to the deaf and dumb?

What are the difficulties that will face us in creating this application and making it available to all?

1.5.2 Sub Questions

1- How will the application reach the deaf and dumb category ?
2- What are the difficulties that will face us in dealing with the deaf and dumb category?
3- Why the deaf and dumb category specifically?

1.6 Research objectives

1.6.1 Main objectives

The main goal is to create an application that makes it easy for the deaf and dumb to learn and teach programming languages

1.6.2 Sub objectives

Creating an application that targets the deaf and dumb category only to teach and learn programming languages and the beginning in the Python language and make this application a reference and an educational approach in deaf and dumb schools

1.7 Significance of the research

The importance of research is included in several areas on the educational, academic and professional side, so the application of the silent programmer will be a qualitative leap in the curricula of the deaf and dumb, and the introduction of a new type of science to their curriculum, especially since the method of education came through an electronic application that will facilitate education for them and will increase the speed of their learning and transfer knowledge to others of the same class

1.8 Scope and limitations of the research

The scope of the research is limited to the deaf and dumb category only. As for the limits of research, the project and the application, there are no limits for this application because every day is subject to development and improvement, and we always strive for the best in this application to facilitate the learning process.

1.9 Conclusion

The conclusion of this chapter is that we have focused heavily on the idea of the initiative and shed light on the application and the target group. The idea of the application has been fully explained and what is its goal, and that the application has no limits.