



Protect Your Children: Perceptions of a Smartphone Application to improves the Protection for your children



This project is submitted to the Department of Computer Science at Umm Al-Qura University of the requirements for the degree of Bachelor of Computer Science.

Abstract

There are a lot of children who use their phones for long periods and may use malicious applications and sites because; it does not have control.

Parents must have parental control application, because; children nowadays need to be protected from bad internet environment such as located from bad people and make friends above their ages.

Therefore, parents can view applications used by children and can block applications, and can set intervals for use of applications and monitor child's location.

Introduction

If you intend to monitor your children's devices activities nowadays, you need a parental control application that works well on mobile or tablets platforms.

The application is useful for families to connect them to their children remotely and gives them many functions and features to control and monitor children devices to protect children from bad use of environments.

Methods and Materials

The parents and their children only have to download the application and the parent can control children's devices from the application .

First the children have to register then bind their parent by their email then accept the permissions to let their parent control their device

Application is on android operating system and we will use:

- Kotlin programming language
- Java programming language
- Android studio IDE
- Google Maps
- Firebase
- GitHub

Problems and solutions

Nowadays, the kids spend more time every day staring at a screen. After all, technology addiction is a serious problem for the children. Some of the problems list below:

- Kids can get into all sorts of mischief on their mobile phones or tablets either on purpose or accidentally.
- Kids are communicating with dangerous strangers without your knowledge.

Solutions :

- Develop an application for parental control in an easy and simple way
- Safe children from consuming much time on their phone and will provide an easy and effective way to keep children safe.

Conclusion

This application will help a lot of families to protect their children and make it easy for the parents to safe children who use internet in wrong way without their parent knowledge

Some of the most important results expected to be obtained when applying Protect Your Children (PYC) :

- The ease of motoring children by parents .
- Help children focus on their studies .
- Reduce possibility of child to get lost .
- Reduce time consuming for the children on their phones/tablets so they can focus on their hobbies .