



# Parental Control Application

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**Abstract:** This paper proposes the development of a parental control utility for Android cell phones, with the intention of minimizing dangers and preventing threats in opposition to minors from materializing. Android dad and mom control applications are used by means of dad and mom to display and restriction their children's cell behaviour (e.g., mobile apps usage, web browsing, calling, and texting). In order to offer this service, parental manage apps require privileged get right of entry to the device sources and get right of entry to the touchy data. This may additionally extensively limit the risks associated with kids' online activities, however it raises necessary privacy concerns. The system uses java as front-end and Firebase as back-end.

**Keywords:** Parental control Utility, Parental, Java , Minor's, Internet safety, Child safety.

## I. INTRODUCTION

This Application is an easy-to-manage utility designed for mother and father to remotely track and screen their teens from the comfort of their Android smartphones. The utility brings collectively a lot of aspects where parents can adjust their kids' online things to do by means of logging in to their CHILDSAFE account on the application. This Application provides two modes. While the mother or father mode is accessible on Android platforms, the toddler mode is accessible for Android users only .

The parent mode is designed for dad and mom to help their youngsters remain secure in the modern-day digital world. Parents can evaluate all functions hooked up on their kids' phone and block the unsuitable ones. Furthermore, they can set time schedule, mark safe zones, define velocity limit, and extra on their kid's phone.

On the toddler mode, kids can send panic indicators if caught in an emergency, request a pickup, and also request permissions to get entry to more than a few applications locked by way of mother and father on their phone.

## II. NEED OF THE APPLICATION

Today's Parents are the First Generation Internet Parents. They do have very less or incomplete knowledge about the Internet, its uses, advantages, and disadvantages. Children know much more than their parents. The problems come into play when children are indulged or are targeted in some or the other wrong practices that are being practiced in this wide range of internet. It becomes difficult for parents to protect their innocent children from these resources.

There are a number of things which are being used widely by children. Some of them are bulleted below:

- Playing multi-user and single-user offline or online games
- Downloading files
- Researching
- Education
- E-paper and magazines
- Chatting
- Posting photos and videos online on social media
- Friendship and Dating and many more...

Now all these uses of the internet not only have merits but some major demerits too. The most important thing is that there is no sort of laws related to it. Any person does not have proper control over what is going on, on the internet.

Now some demerits which exist all around the children using the internet are as follows:

- Viewing pornographic content
- Illegal download of copyrighted material
- Cyberbully
- Sexual predators and a lot more....



Children are unaware of these things and often get threatened and depressed with whatever bad they experience while playing with the internet.

Now, what a parent generally can do so as to keep their child safe with all the above-mentioned threats are :

- Quit job and watch their children all-day
- Beat up children
- Hire a nanny for watching them
- Install surveillance cameras
- Throw away computer

Obviously, none of the above-mentioned solutions are worth implementing.

### III. MODULE

Parent is supplied with monitoring and controlling following facets of child's mobile:

#### A. Location:

This module helps you to preserve a track of child's movements round the metropolis and be relaxation assured that your beloved tot is safe and sound. It includes a pressure GPS command that permits GPS on child's system if it is disabled through the child. Parent can for this reason know if the infant is putting out in the awful aspect of the town.

#### B. Messages and Call Logs:

This module helps you to keep in contact with your child's day-to-day social interaction. It assures you that your child is now not messing around with the wrong crowd. It continues record of each incoming and outgoing calls an SMS. The utility also permits mother or father to block calls and SMS from unique numbers consequently allowing manipulate over the child's social interaction.

#### C. Websites:

This module provide father or mother with aspects like blocking access unique sorts of web sites (pornography, anti-social, narcotic), reporting key phrases used to are looking for information and offering list of websites accessed. It acts as a filtering mechanism between child and internet, as a result shielding them from anti-social elements.

#### D. Application Usage:

This module permits guardian to song usage of all software in child's device including the frequently used application and length the software used to be used. It additionally permits the guardian to allot time an software can be used, hence limiting over use of applications. To avoid multiple configuration for each application, agencies can be created of applications that belong to similar category (games, social) and common configurations can be applied to precise agencies.

### IV. SYSTEM ARCHITECTURE

The proposed android utility has two modes viz. mother or father and child. On the child's cellular it is a historical past process that runs till the machine is powered on.

It collects information from the child's cell and stores it in database, which is then read by way of the guardian the use of the identical software in father or mother mode.

The graph illustrates the working of application for each monitoring and controlling the child's device.

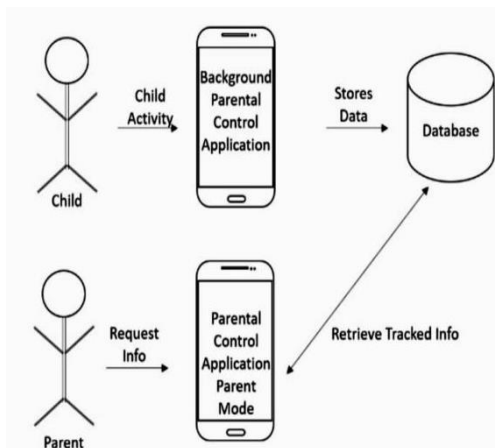


Fig. 1 Monitoring child's device

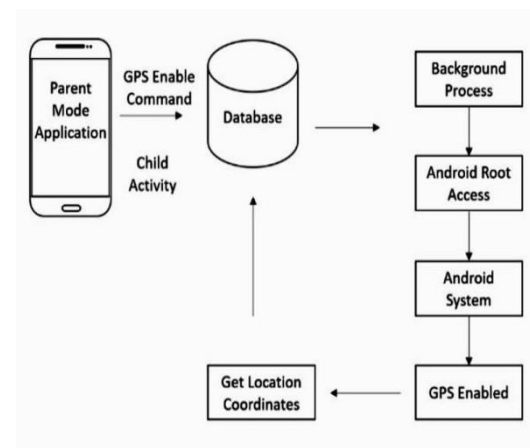


Fig. 2 Controlling child's device

## V. CONCLUSION

No count number the place or how you see it, there's no stopping the future. More and more children will discover the Web and use it as how they understand it. That's why parents and guardians need to be on their toes. While parental manage apps can assist keep them safer online to an extent, nothing beats educating your children and being there for them. Don't make technology a replacement for your presence or affection. Spending time with your kids, communicating your concerns, and listening to their needs, are a few of the things you can do to slowly build a foundation of believe within the household. By positively aiding them whenever they use the Web, they can sense greater assured in making the proper picks for themselves.

Hence, we can conclude that in order to have a safe surrounding for your children we can use the ChildSafe application which might be of great use to monitor the children about whatever they are doing while being online and henceforth parents will know what are the things their child is going through, where are they spending most of their time and whatsoever is necessary will be fulfilled by this application.

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