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Spyder Parental Control Android Application

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Abstract: According to NCRB (National Crime Records Bureau of India) there are more than 77% children and youths are indulged in cyber crime and many of them are victims of cyber crime. This projects aims to developing an android applications used by the parents for say, to keep an eye on their ones (children) by installing the application into their device in hidden mode so that they get to know what their individuals are doing, or the people who lend their device to anyone else and they do not want others to play with their personal stuff for that purpose they can also use this application.
Keywords: Parental control application, Spyder, Child monitoring application, spy recorder, Parent's Third eye.

I. INTRODUCTION

As we all know that smart phones are boon as well as curse for children and youth. In present scenario, we have to understand there are many Cyber Crimes which are done by the Children and youth. In past couple of years it is found that the very large numbers of students are indulged in Cyber Crime and also they are the victim of the Cyber Crimes, like Phishing, Identity theft, illegal content sharing, Anonymous chatting, Pornography, etc. According to the recent report of the NCRB (National Crime Record Bureau of India) there are more than 77% students who are indulged in these types crimes and there age are below 21. [3]
There are so many applications present in the play store who just convert our smart phone into child mode, with these types of application, we are simply killing the creative efforts of the child and for a 15 year old guy it is very easy to disable the child mode of the smart phone. [1]
Now, we need something new or innovative idea which helps parents to keep an eye on their ones (children). So, we need an android application which tells the each and every activity of the student to their parents without letting their kids know of the application.

II. MOTIVATION

In our modern society the children and youth are too much addicted to the smart phones, without knowing the whole pros and cons of it. We cannot stop them because there are many knowledgeable things which are available on the internet and smart phones. Also, in our fast moving society, it becomes important to a parent to give a smart phone to his child for his better future, but sometimes parents don't have enough time to see what there ones (child) are doing on their smart phones and by bounding a child's imagination we are just ruling to their creative efforts, also a 17 year old guy even don't know the meaning of social media etiquette, cyber netiquette, cyber crimes and anonymous chatting. So, it gave the motivation to us that we have to develop an android application, which gives the whole information to child's parent, what his child is doing on his android device.

III. RELATEDWORK

A. *Existing System*

1) There are many android applications present in the market which simply converts the whole smart phones into the child mode. [2]
2) Child can share his geo location to his parents through GSM and GPS.

B. *Problems With The Existing System*

1) For above 14 kids, it is very easy to disable the child mode of the smart phone.
2) As we know that a 13 year old child is placed in Google, but if we are going to deal with child mode android applications, then it is going to kill the creative imaginations of children. [5]
3) Few of the existing android applications shares the geo location of child smart phone to parent's smart phone but again it can bluffed by the kidnappers and child himself. [4]
4) There is not be any application which tells the whole information of the child's smart phone.

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IV. PROPOSED SYSTEM

A. *Objective*

1) Screen recording facility which monitors every step taken or every application clicked on the child's smart phone and after that it sends the whole recording to the parent's remote email address.

2) Audio Recording facility, it records the audio of the child and after that it sends the whole audio file to the parent's remote email address.

3) Android application must records the audio and video in hidden mode, it is mandatory that the application would not be present in the hidden option of child's smart phone.

B. *What is Spyder?*

Spyder is an android application that turns your device into parental control device that is capable of recording audio video files and uploads the recorded audio video files to the remote email address. By default, Spyder uploads audio video files after interval of 2 hours. You can customize it in settings along with remote email. We advise you to continuously save recorded audio videos files sent to remote email as it may not be available second time as we don't create backup of any audio video files. This application will work in hidden mode; a child cannot find that application in hidden option given in smart phone. To hide the application you have to call on "**11##" and to unhide the application you have to use "**22##".

C. *Data Flow Diagram*

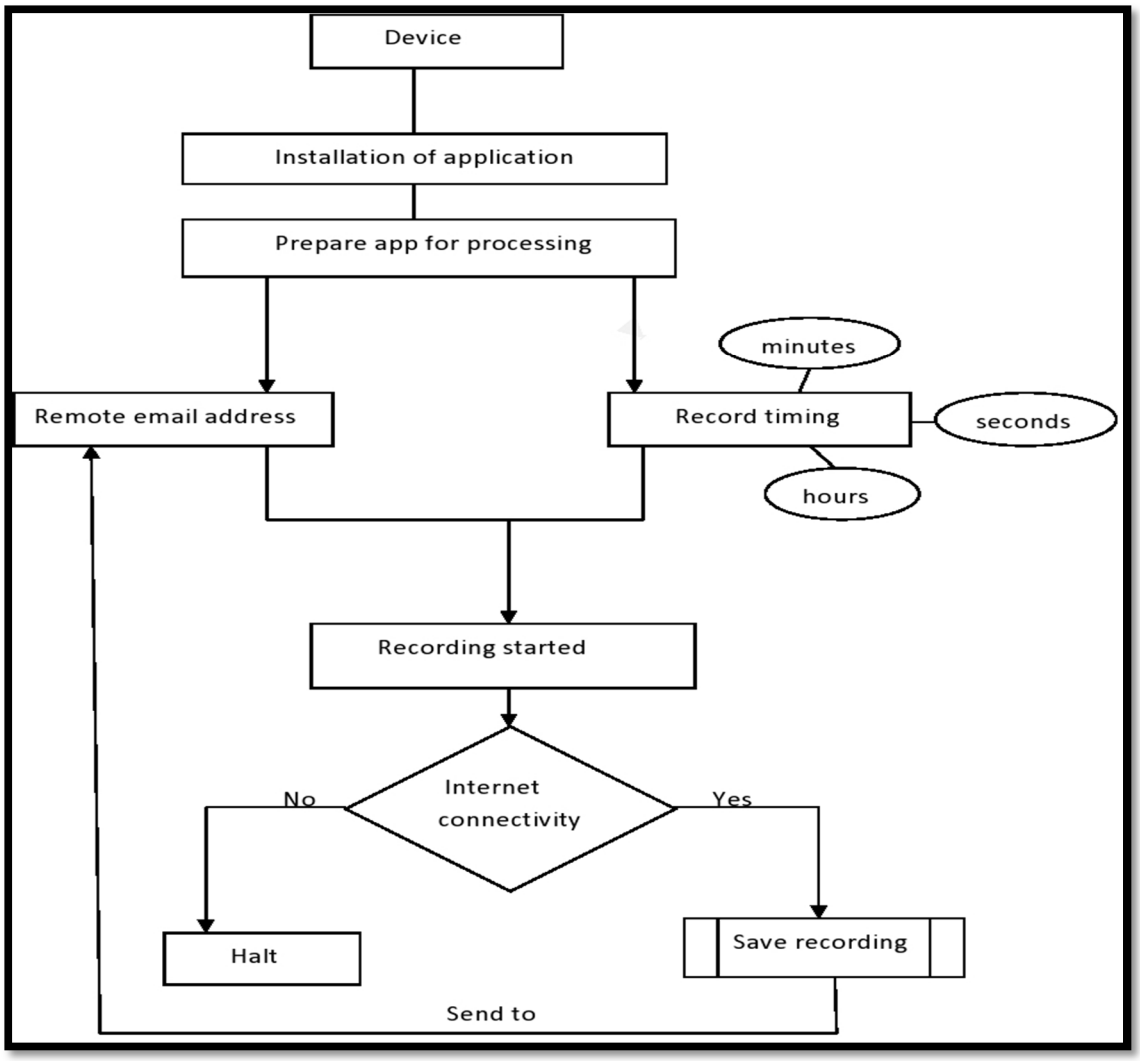


Fig I: DFD shows how our application is going to be work

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D. Modules And Implementation

We are going to incorporate audio-visual recording into an application working in the hidden mode to facilitate parental control, security etc.

Modules	Description
Spy Mode	In this phase we install the application in the Device in hidden mode.
Voice Recorder	In this phase we simply record the voice (In 3gp format).
Screen Recorder	In this phase we start the screen recorder

TABLE I: Short description of all modules of Spyder.

1) *Spy Mode:* This phase will work in hidden mode and in this phase the application will record the audio and video, after that it sends the recorded audio video file to the remote email address of parent.
2) *Voice Recorder Mode:* This incorporates audio recording facilities that will help in recording background noises and voices. This helps in providing a rough idea of the situation. This has helped the user to a large extent.
3) *Screen Recorder Mode:* Screen recording facility and monitoring every step taken, every application clicked on and every task done. In this phase screen recording is done. This really demonstrates the true happenings that cannot be bluffed. This has ease parents to a greater extent. It is facilitated by sending all the recorded video to the parents and avail all the records for the proper analysis by parents.

V. REQUIREMENTS

A. Web Hosting
B. Web Domain
C. Active Internet Connection

TABLE II: General Requirements to create an android application.

Software used	Description
1. Operating system	We have chosen Windows operating system to run Android Studio.
2. XML	We have chosen xml for UI designing.
3. Java	Used for back-end coding.
4. PHP	Use to Upload Audio and Video
5. Android	Operating System

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VI. CONCLUSION

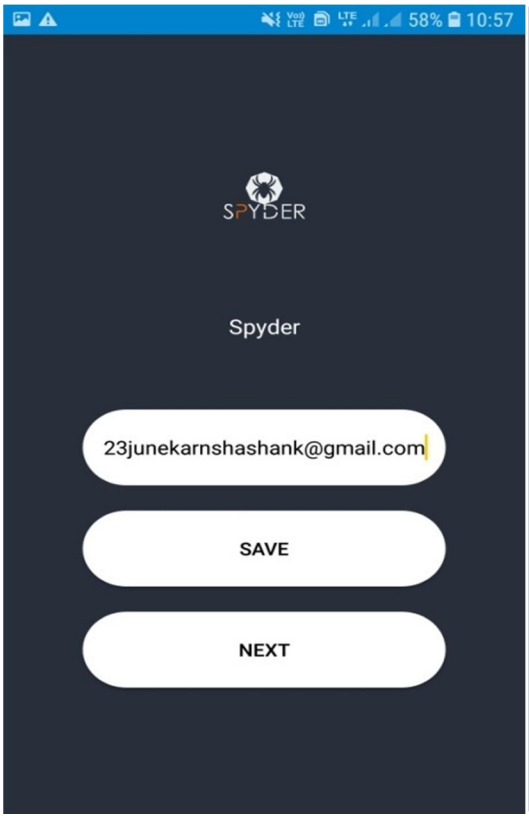


FIG II: Parent's (Remote) email address in text field.

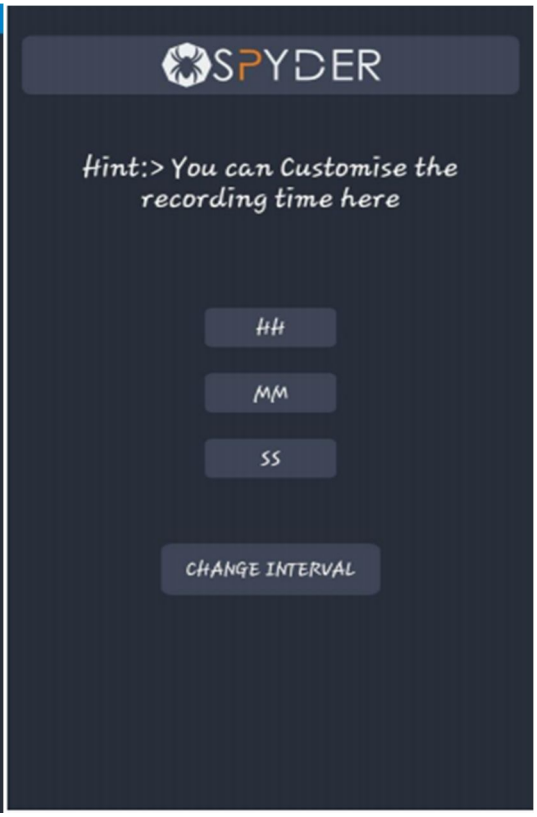


FIG 3: You can change default recording time from here

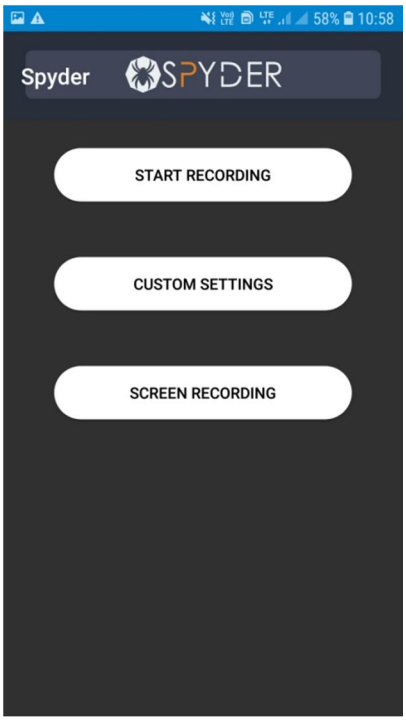


FIG 4: Here you can start your recording. After that it automatic go to hidden mode.

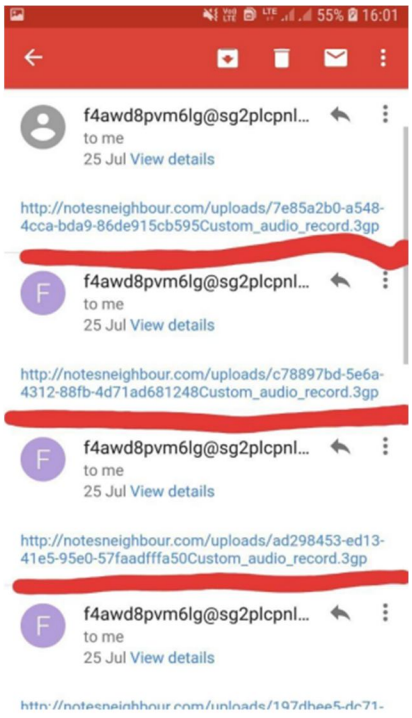


FIG 5: All recordings sent to your email address.

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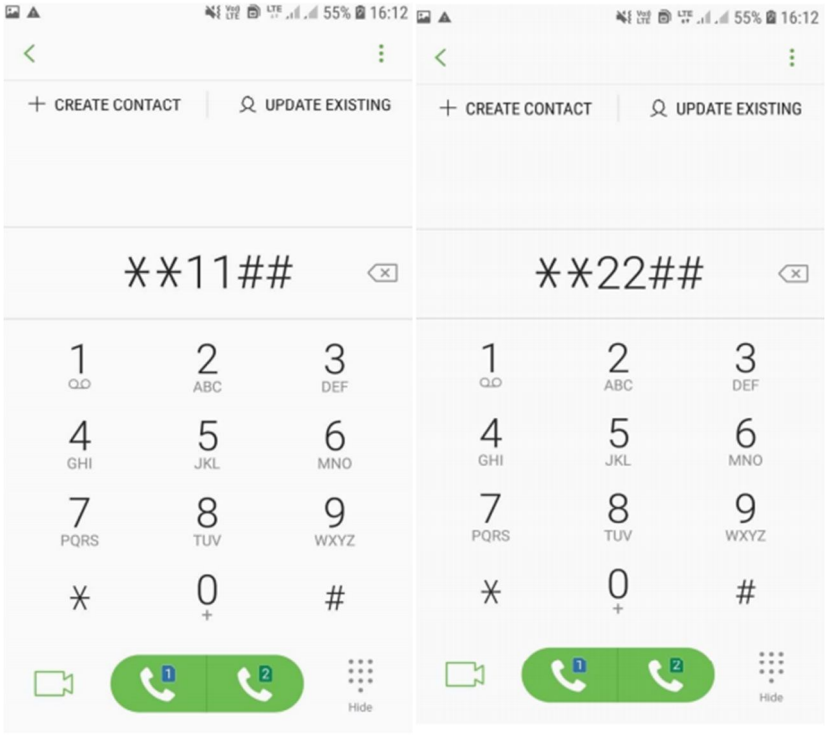


FIG 6: You can hide your application by using "**11##". FIG 6: You can unhide your application by using "**22##".

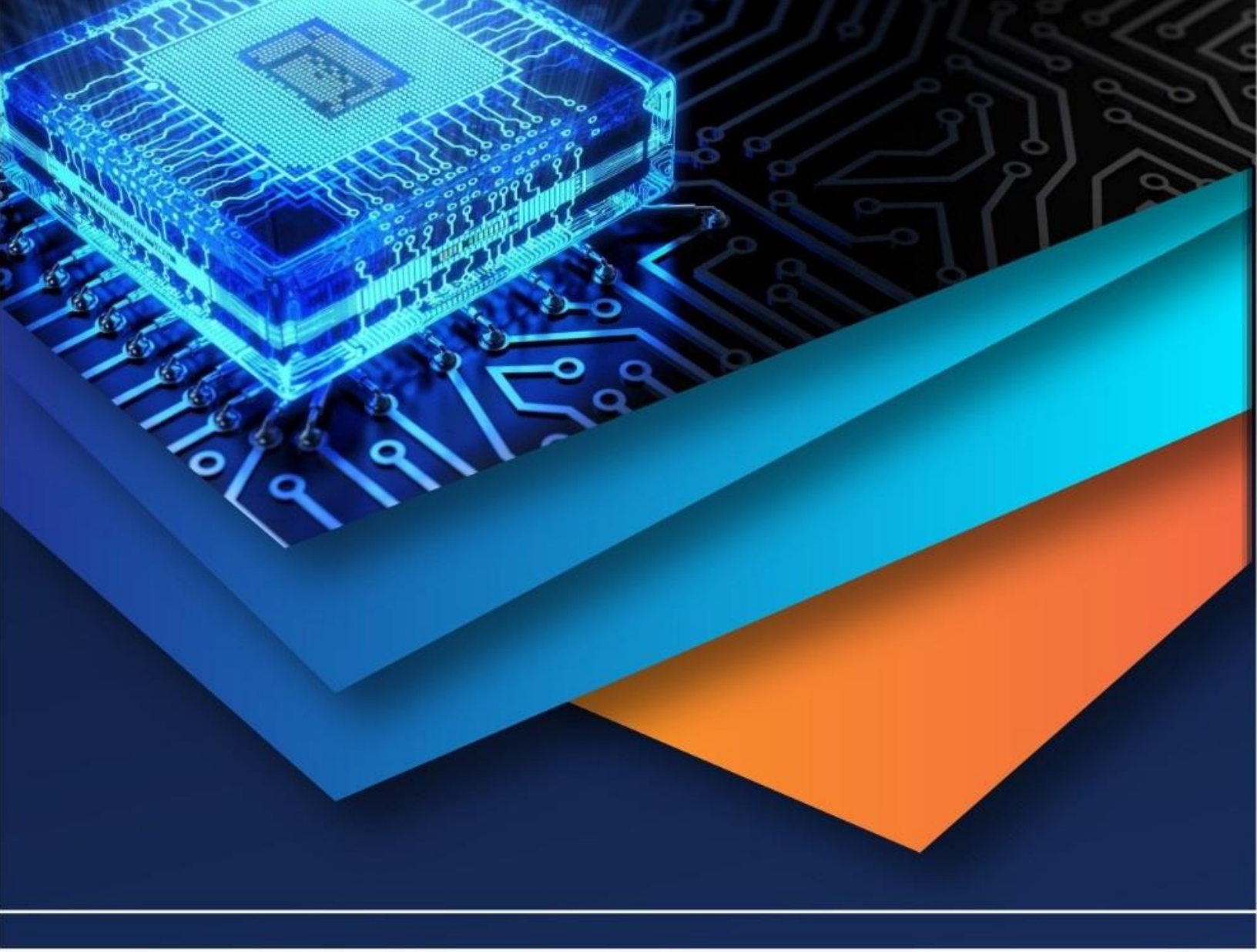
VII. ACKNOWLEDGEMENT

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