Social Law Enforcement and Victim Assistance Cell (S.E.V.A.) Application – Online Complaint Register

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Abstract: *Now a days, we can see that technology are almost every part of our lives such as Business, Education, Social & economic, Banking and Agricultural. In S.E.V.A app i.e. (Social Law Enforcement & Victim Assistance cell) which are used for register a complaint of citizens. The Police Department still use file system to register complaints . But it takes paper work and time too because the citizens has to visit Police Station and report to register a complaint. These traditional method it takes more time to register complaint and further procedure. And it becomes very difficult task to manage the criminal records in manually. As a mobile application is mostly used by every person and this app will help the police officer to register a complaint in anywhere. This app also provide the maintaining criminal records, while online system will help the C.P. officer's at view the daily records of criminals. In emergency situation police register the complaint on the spot where the problem is occurred. Sometimes, it happened to search a particular criminal record at a particular time so it may be chance misplace the file or document and it may difficult to access the data. The aim for creating this application is used to register complaint without any trouble and it consume a time. Hence, S.E.V.A app is being developed which will store the all complaints in database for easy to refer anywhere and anytime.*

1. Introduction:-

S.E.V.A application i.e. (Social law Enforcement & Victim assistance Cell) has been proposed for the people who is suffering from the different problems related with complaint register. S.E.V.A. app is introduced to provide the police officer to lodge a complaint easily. S.E.V.A. app is to give absolute the accessing data and managing criminal records to the support for the work of the police. It is used to define the process when we register complaint manually and it is more difficult and time consuming. Sometimes it happens, there were some accidental issues are occurred in a roadsides, so victim complaint register. And complaint should be consumer a whole lot of money and energy. We provide the registration for Police Officer. The policeman filling up the details of complainer using application. Thus, the entire process complete without any manual work. S.E.V.A. app is reduce the Human works so we can switch to another work.

2. Literature

In this paper are define the future scenario of digitalization in registered complaint form Police department. S.E.V.A. app i.e. (Social Law Enforcement and Victim Assistance Cell) are used for Online Complaint Record. And they have mobile as provide a e-service which are linked to the digital files and database so police get update and view the criminal sheets. Here, there were a few technical paper related to this topic are as follow.

   a) **Online Fir Registration and SOS System was published in 4 April 2016**

In Navi Mumbai, India:

In this paper, it says that the system online FIR registration and SOS system are the concept to design the bridge between the police and the common people. It is using for people while facing the emergency situation.

   b) **Smart Complaint Management System was published in Nov-Dec 2016 in Nagpur:**

"Smart Complaint" app is introduced to provide the user platform to complaint easily. And it reduce people efforts and it share the location used GPS. And this app are used for the purpose of help public in any location with GPS their problem solved online.

   c) **E-Police System FIR Registration and Tracking through Android Application Was published in Feb-2016:**

In this paper "E-Police System FIR register and Tracking" app are proved beneficial and time and effort saving. And fear of against people highly reputed person is sometimes difficult task. And it providing the user can upload images audio files and video files are record to the system. And it has been provide user notification will receive in entire process.

d) E-Police System Based on Android Application for Enhancement of Services of developing Countries:

"E-Police System" app is related administration police organization. The foundation of an e-Police framework, difficulties of usage and its need. The target of this app is the work of free access citizen their grumble, database and police staff, operation without sudden changes and conditions like online activities and etc. It provide a new features of this app their reporting includes information as well as live picture and picture.

3. Methodology:

➢ Technology Used:

- **Android Studio :** It is the official integrated development environment (IDE) for Google android operating system. It is advance tool after eclipse android development tools (ADT) for android application development. android Gradle-based bulid support, android – specific refactoring and quick fixes, Lint tools to catch performance, usability, version compatibility and other problems. Template-based wizards to create common android design and components, Android Virtual Device(Emulator) to run and debug apps in the android studio.

- **Java:** Java has huge open source support, with many libraries and tools available to make developers life easier. Java protects you from many of the problems inherent in native code, like memory leaks, bad pointer usage, etc. Java allows them to create sandbox applications, and create a better security model so that one bad App can't take down your entire OS. That complied java code can run on all platform that support java without the need for recompilation.

- **Firebase:** Firebase mainly use to provide more security rather than other, Firebase automatically stores your user's credentials securely (using bcrypt) and redundantly (with replication and daily off-site backups). This separates sensitive user credentials from your application data, and lets you focus on the user interface and experience for your app.
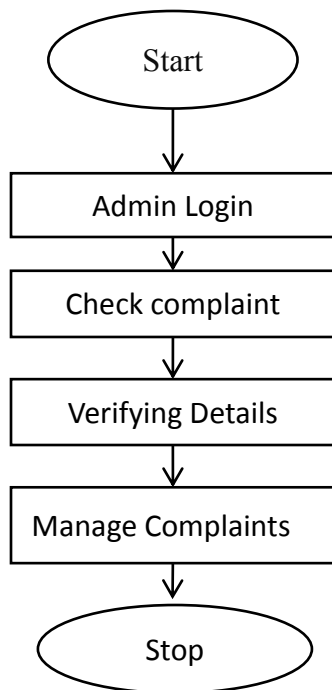
➢ System Design:
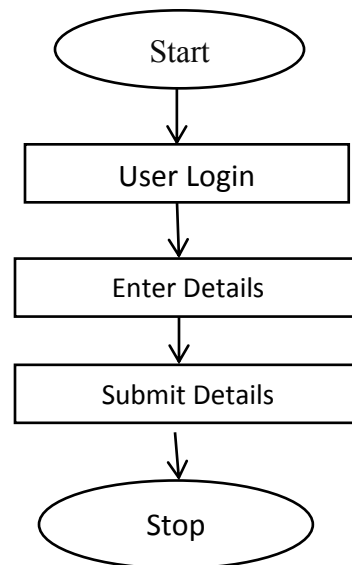

Fig. Flow graph for Officer

Fig. Flow graph for Police

4. Conclusion:

S.E.V.A. app is proposed to give all our electronic data framework support for the work of this police. And it is useful to the police officer for further process. It is build up an online complaint register for the police department so, police officer can switch to another work easily. This type of application is more effective for the citizens and police.

5. Acknowledgements:

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