

E-COP PORTAL (An Web Based Application)

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ABSTRACT

E-cop system increases the professional efficiency for the government police administration. In this paper we focus on the infrastructure of an E-cop system as well as its steps, challenges of implementation and its necessity. E-cop is intended to provide total computerized information system support for the work of the police. This system registers the complaints from people through online and is helpful to the police department for further process. The aim of this project is to develop an E-cop reporting and management system which is easily accessible to the public, police department and the administrative department. This helps to higher authorities of police to have an overview about the progress of the investigation; feature is made available to public for interaction with police indirectly.

Keywords : FIR, RTI, IPC

I. INTRODUCTION

According to World Bank definition, "E-government refers to the use by government agencies of information technologies like wide area network, the internet and mobile computing that have the ability to transform relations with citizens, businesses and other arms of government ". It contributes to public security. The police personal would also be able to identify any criminals and this is possible if a database is available for any citizens including criminals' and innocents' all information. For the public safety there would be record about the wanted persons, suspected criminals' history, wanted cars, stolen cars, cases, news and events, contact details, recommendations and so on.

The objectives of this work are free access of the citizens for their queries and complaints, establishing database for citizens and police personnel. The normal public in India are afraid to give an complaint in police station because they are filled with a false fear about the police department. An online complaint registering system will solve the fears of public and will also help the police department in catching criminals. An online solution is very useful as the solution is inherently distributive. E-cop is intended to provide total computerized information system support for the work of the police. Its primary activities are not transparency-

related, but help provide police officers with information on criminal cases and on criminals.

The person who registered the case could also get access to case details and progress at any point, either by going to any police station and requesting an officer to access their case on E-cop, or by accessing their case details online via the website using an FIR code number that is issued at the time of registration. Available case details would include the FIR, actions taken, actions pending, other crime details, etc. The victim could lodge a complaint if they see from accessing case details that the case has not been registered properly, or that there has been no progress made on the case since it was last accessed. Finally, senior officers in the police service could also use E-cop to monitor case details and progress. All of this affects the transparency of case handling, and the accountability of police officers.

II. PROPOSED SYSTEM

Conventionally the citizen has to go to police station in person to make complaints. **E-cop** provides a facility where citizen can make emergency complaint and the corresponding police officer gets an immediate e-mail and responds to it. Also the citizen can make a report missing persons, report missing valuables and can report about wanted criminals. **E-cop** establishes a virtual

police station setup to provide a very easy to access police service to the citizen of Kolkata. It saves the valuable times of our citizen. Citizen can also make request for loudspeaker, mass meeting etc. licenses from his home just by clicking some links online.

E-cop also provides an interface where assigned police officers of each police station of Kolkata can log in the system and perform their duties such as complaint approvals, FIR filing, License approvals and various other form (e.g. Arrest form, Crime Details form, Property Seizure form, Final form etc.) creation for investigation.

In summary, although police are now being required to record more information for accountability purposes and officers feel that they are under more scrutiny, managers are still making little use of information technology systems for monitoring and management purposes. The systems themselves have a number of shortcomings, and in some areas risks may have actually increased as a result of the greater ease of access that officers have to confidential information. Consequently, the extent to which there has been a net increase in accountability is very difficult to determine at this stage.

IT has often been held out as providing a solution to the paperwork problem in policing & other bureaucracies by streamlining administrative processes (By eliminating the need for multiple forms and multiple entry of data), making information easier to retrieve & reducing the number of hard copy records generated and maintained using following concepts

A literature review is the body of text that aims to review the critical points of current knowledge including substantive findings as well as theoretical and methodological contributions to a particular topic. Literature reviews are secondary sources and as such do not report any new or original experimental work. Also literature review can be interpreted as a review of an abstract accomplishment. Its main goal is to situate the current study within the body of literature and to provide context for the particular reader.

III. FEATURES OF SYSTEM

- Reducing the complexity of the system and maintain.
- Maintain the large information of the data.
- Centralized data.

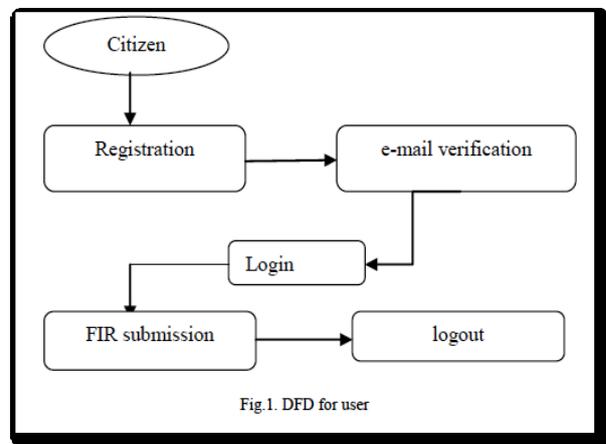
- User friendly
- Transparent and Secured

MODULES:

There are total three main parts included in module first is user then employee ant last is higher admin. Let us see brief about each starting with user.

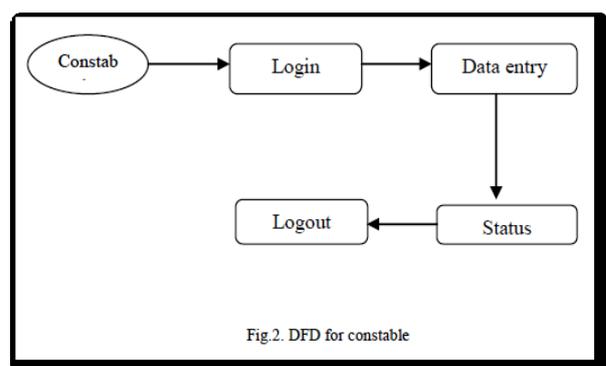
USER:

The user first have to do registration on site, this include email verification. After doing registration it's email verification is automatically done by the system and after verifying it's email it provide ID and password to user with the help of this the user will permit to enter in the system, that means after entering correct id and password the user will allow to login in the system.



EMPLOYEE:

Employee first have to login in the system, then there are three sections on which constable have to work. In data entry section the constable enter any newly added data in the system with the help of search engine the constable searches any information about FIR then with the help of status update the constable will permit to update the status of recent case in the system.



ADMIN:

The last part of the system is higher authority area in this the admin first have to login in the system. The admin first check out the fir submitted by the user is there any fake information present in it or not. It would check the importance of FIR and an assigned to level of authority

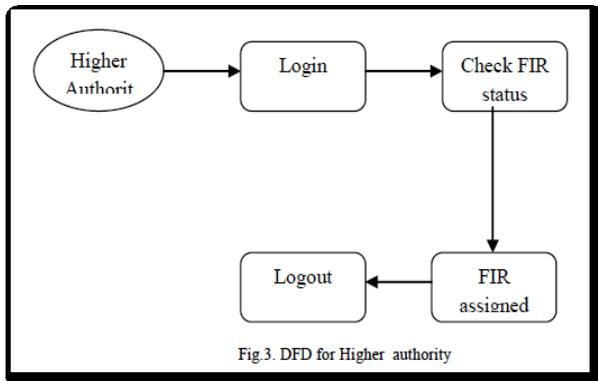


Fig.3. DFD for Higher authority

OUTPUT:



Figure 4: Home page of User



Figure 5: Home page of Employee



Figure 6: Home page of Admin

IV. CONCLUSION

This paper will definitely help the police system in making the police work more efficient through equipping the police with modern solutions i.e. it aims to ensure solutions and means for the police officers that support their main activity and it will be interesting for audience in the context of law and order situation in our country. The main intent of this paper is to upgrade the developing countries' police administration to the world standard by using new information and communication technologies. At last we recommend to developing countries that to take necessary steps for upgrading the present police system to e-cop system by overcoming the issues and challenges. In future we can add and use new technologies, wireless communication systems, modern IP networks etc.

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