

Spring Mvc E-Cops Enforcement Portal

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Abstract: E-Cops Enforcement Portal aim at Centralizing Information Management in Crime for the purpose of fast and efficient sharing of critical information across all the police station. Citizens in India are not convenient going to a police station to submit a case because of many reasons like fear from criminals, lack of time or ignorance. Therefore many of the cases are not registered in police station and lots of filed cases are not investigated due to lack of proper evidences and cooperation of public. This application will provide a platform for public to report about crime to nearest police station without any fear. This method will be helpful to general public and police to provide better services for public at the same time using this application process work can be easily monitored by higher authorities. E-Cops is Web based application which will be available for every citizen to lodge a complaint and report a crime even when user is in move. At Present Police department is following manual procedure which takes lot of time and citizen should follow the different procedure to file case, or give information on case which is reducing faith on police department in public. Using this application data maintenance, generation of reports, analysis of data, planning and coordination will be fast and easy.

Keywords : FIR, RTI, FIR TRACKING, CRIME RECORD MANAGEMENT

I. Introduction

‘Serving those who protects’, To deliver next generation police and law enforcements reporting tools, and setting up intelligence platform that agencies use to take incoming incidents reports, lessen live employee resources and allow this enforcements agencies to relocate resources to much needed community areas. This document is meant to describe the features of E-COPS, so as to serve as guide to the developer on one hand and a software validation document for a prospective client on the other. This feature is made available to public for interaction with police indirectly. This system registers the complaints from people through online and is helpful to the police department in identifying criminals. This project helps the public to report about the crimes to the police without any fear in correct time. This is also helpful for higher authorities of police to have an overview about the progress of the investigation. This feature is made available to public for interaction with police indirectly.

II. Existing System

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-police reporting and management system which is easily accessible to the public, police department and the administrative department^[1].

This paper presents the requirements engineering process for the Uganda Police Force Crime Records Management System. The system was envisioned to substantially improve the performance of the crime records management function of the Uganda Police Force through strengthening the pertinent processes. The requirements engineering process involved definition of the system context and goals, requirements elicitation, analysis and specification^[2]. It is an android application. This system has been proposed keeping in mind the difficulties that people face during registering complaint at any police station. First of all, the entire manual process is time consuming as the complainant has to physically go to the police station numerous times. By allowing citizens to lodge their complaints directly, this system circumvents police officers who are often

reluctant to register FIRs, particularly in kidnapping and ransom cases. Potentially, this could be an effective tool in combating the endemic corruption and pressure at the thana level.^[3]

Citizens can download forms, make complaints, receive advice and/or report events of an illegal nature. Police specialists can monitor criminal trends to ensure that responses are appropriately focused, and that scarce resources are more effectively employed against criminality.^[4]

III. Problem Statement

- 1) It is obviously believed that the police force is charged with the responsibility of protecting lives and property and assuring safety & well being of all citizens through the detection and apprehension of criminals, prevention & control of crime.
- 2) Nevertheless there are still some problems such as:
 - Poor criminal record keeping in short & long term bases which makes the processing retrieval difficult.
 - High cost of saving data as it is mostly associated with paperwork.
 - There are many places in our country where police are not reachable.

IV. Proposed System

This System fulfilling the following activities:

1. Reducing the complexity of the system and maintains the large information of the data.
2. This system maintains the police station information and it have areas of control which can be modified later through online.
3. Appointing a police officers to particular case which is present in specific zone or to a specific district.
4. Police station has several departments like Law and Order, Women Protection, Cyber crime, Traffic and Control, CBI ,etc. This System maintains cases, Fir, criminals and charge sheet information.
5. Giving free access to the user to see their Complaint Status.
6. Showing Efficiency of the police department. [Refer to the fig.1]
7. And the last one is implementing a Hoax Call Tracer.

TABLE 2.1 -- NUMBER OF POLICE ZONES, RANGES, DISTRICTS, SUB-DIVISIONS, CIRCLES AND POLICE STATIONS - AS ON 1.1.2015

Sl. No.	States / UTs.	Police Zones	Police Ranges	Police Distts.	Police Sub-Div.	Police Circles	Police Stations
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Andhra Pradesh	3	5	18	90	207	999
2	Arunachal Pradesh	1	3	19	9	18	101
3	Assam	0	7	36	28	48	341
4	Bihar	4	11	40	113	210	1,064
5	Chhattisgarh	0	5	28	86	0	424
6	Goa	0	0	2	8	0	26
7	Gujarat	0	7	40	98	85	627
8	Haryana	0	4	21	47	0	270
9	Himachal Pradesh	0	3	13	0	0	110
10	Jammu & Kashmir	2	7	25	46	0	215
11	Jharkhand	5	7	26	43	144	454
12	Karnataka	0	6	30	135	230	926
13	Kerala	2	4	19	55	198	504
14	Madhya Pradesh	11	15	51	179	0	1,035
15	Maharashtra	35	8	36	384	0	1,118
16	Manipur	3	4	9	26	0	86
17	Meghalaya	2	11	1	2	0	39
18	Mizoram	0	2	8	17	0	38
19	Nagaland	1	3	11	16	9	73
20	Odisha	0	8	36	111	0	607
21	Punjab	4	7	24	118	0	389
22	Rajasthan	9	7	36	289	214	861
23	Sikkim	1	1	4	11	0	28
24	Tamil Nadu	4	11	31	244	292	1,532
25	Telangana	2	4	10	83	132	721
26	Tripura	1	2	8	27	0	77
27	Uttar Pradesh	8	18	75	0	408	1,525
28	Uttarakhand	0	2	13	0	35	145
29	West Bengal	3	8	24	41	87	470
30	A&N Islands	0	1	3	7	1	24
31	Chandigarh	0	0	1	3	0	11
32	D&N Haveli	0	0	1	1	0	2
33	Daman & Diu	0	0	2	2	0	5
34	Delhi	0	6	11	54	0	181
35	Lakshadweep	1	1	1	1	1	16
36	Puducherry	0	0	2	6	15	46
	All India	102	188	715	2,380	2,334	15,090

Fig.1. Distribution of police station in India

V. System Overview

DATA FLOW DIAGRAM:

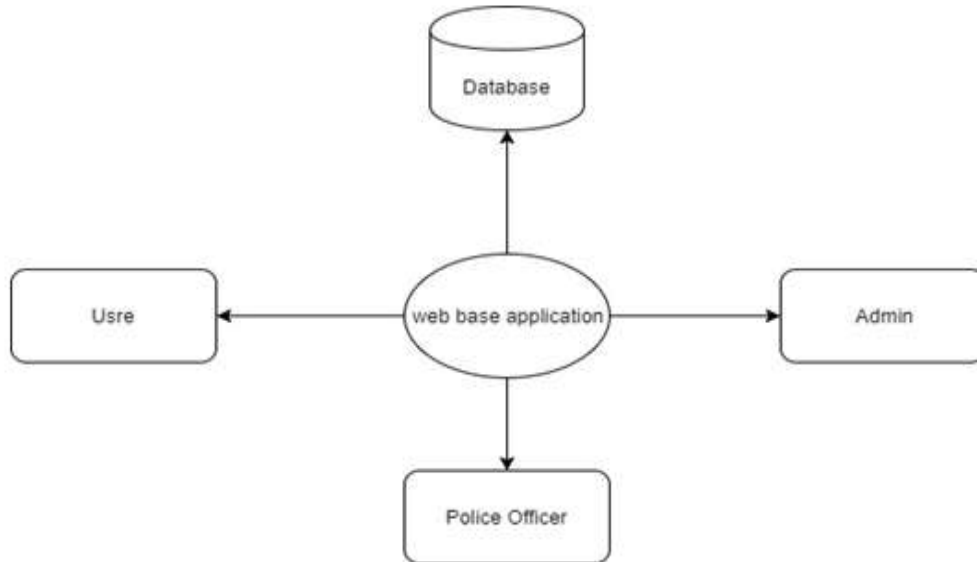


FIG.1: DFD LEVEL 0

In our system there are 3 main contents that are user, police and admin. All three have their login and registration process .

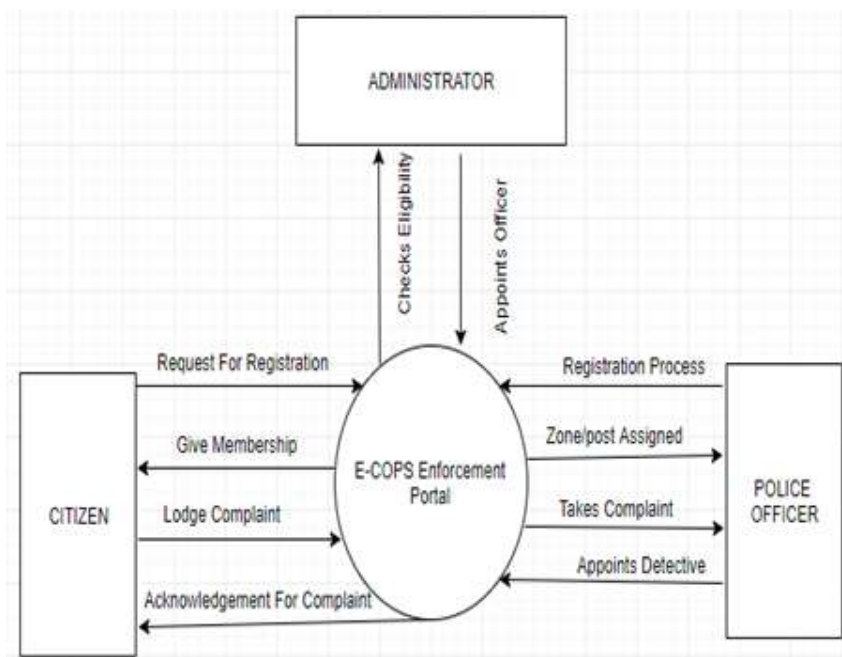


Fig.2. DFD level 1

In this diagram, after the login process all three module can get then functional accessibility, to use this system user should be registered to this site and perform actions.

VI. Conclusion

1. E-COPS' has been develop for new technologies that would help in the fight against crime and improve the criminal justice systems.
2. To meet the challenges of the coming decades, It is essential to have a police force which is updated with technologies of daily work. This will enhance the confidence of the public i.e the police force is effective and can serve the community efficiently. It will reduce offences to justice through a modern and efficient process. Employees will also get benefits. Not only does technology promise to improve police effectiveness and efficiency in controlling crime, which may also enhance their professional status and organizational legitimacy.
3. Project in last six months:
 - The project so far had been carried out contains the research for scope of E-Cops in India.
 - The survey of different police websites is done that shows more improvement to be made, so we are implementing it.

VII. Future Work

This System can be further enhanced by using Mobile application for the users. We can add the new government facility into the system. For Example: Complaint about water supply in particular area and road condition etc.

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