

# **SOFTWARE REQUIRMENT SPECIFICATION ON THE E-COPS**

## **1-Introduction:**

### **1.1-Purpose:**

This feature is made available to public for interaction with the police indirectly. This system registers the complaints from people through online and is helpful to the police department in identifying criminals. In this system any person can register their complaint online. 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 administrative department.

### **1.2-Scope:**

- Maintain a centralized database to provide information which can be accessed by the administrator, police officers or citizens, detective and cybercafé owners.
- Classification of the users according to their role. User can manage their profile. User can view details of their case in any particular location.
- The citizens can provide information about their maids and tenants to the local police station through the websites.

### **1.3-Definitions, Abbreviations, Acronyms:**

- DFD: – Data Flow Diagram
- ECOPS: – Electronic Computerized Operations Of Police Services.
- SQL: – Structured Query Language
- SRS: – Software Requirement Specification.

### **1.4-Overview:**

Electronic Computerized Opertaions Of Police Service System is a process of implementing all the activities of the police station in a computerized automated way to fasten the performance. This project is helpful in maintaining the criminal details, criminal reports and to calculate the no of crime.

## **2-Overall Description:**

## **2.1-Product Perspective:**

The ECOPS is an application which is provided the features of dynamic web application as well as that of the stand alone application on the administrator side. This application will be used across the state, by the citizens, the law enforcement bodies, private detective and cyber café & hostel employees. The citizen can register their complaints here which means ease out the process for the citizens and also for the police to maintain the records and the status of the case can be viewed as well as updated.

## **2.2-Product Functions:**

Reducing the complexity of the system and maintain the large information of the data. This system maintains the police station creation and it have areas of control which can be modified later time through online. This system maintains the criminal information state wise/area wise/age wise through online. A user can report about an incident/unwanted person.

## **2.3-User Characteristics:**

This software is developed such that total appearance of the product to make it more user friendly. The operator will be provided with login id and password. General users with basic computer skills can use this software.

## **3-Design Constraints:**

This will help the police or users to view the records of the criminals immediately whenever necessary. They can also calculate the no of the complaints of particular criminal. This software also has the ability to add, update and delete the record whenever needed. This project will help to smoothen the process of the police services.

## **4-User Interface Design:**

There are many factors that must be considered when designing the user interface of a software because the user must be able to interact with the system in away that the system will understand whatever the input given by the user. Therefore, the quality of the interface and software in general must pass the usability testing standard. Some usability factors, such as fit for use, ease of learning, task efficiency, ease to remember, subjective satisfaction and understandability but all be put into consideration when designing the user interface.

## **5-Software Interface:**

**Front end client:** JAVA, HTML, CSS

**Web Server:** Apache Tomcat

**Back-End:** MYSQL

## **6-Hardware Interface:**

**Server Side:** Server configuration supportive multi threading and supporting the window operation system that is 128MB or more RAM and 10GB Hard Disk.

**Client Side:** A normal configuration for the PC will do with an internet browser operating on it.