

***Synopsis***

***On***

**E-Cops (Police Investigatory System)**

**Submitted for the requirement of**

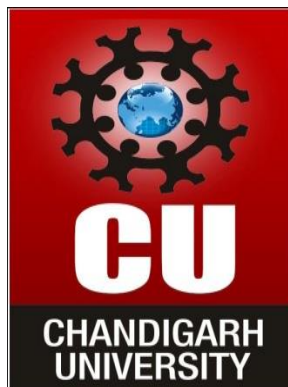
**Project**

**CSR-260**

**Course**

**BACHELOR OF ENGINEERING**

**COMPUTER SCIENCE & ENGINEERING**



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# 1. INTRODUCTION

**E-cops** or police management system is a system which provides user a very easy access to the police crime investigation or crime solving system. In this project we provide a simple way to register or report a crime. This will very helpful in sensitive situation. In this project or system we can provide a platform to access police investigatory system. In this system we can report a crime and we can also know our status of reported crime. User will provide with a specific unique No. from which they can be aces their account.

In this account all the information is present like name, complaint, officer which handled the case, progress of the case etc. Our main motive is to provide an easy accessible service to the citizen, so that they can directly interact with our investigation system.

Recent years have seen an increasing use of computers within Police Forces, not just in general administration (e.g. payroll, personnel, e-mail, general office suites etc.), but also as a tool to assist the core business activity of policing (preventing and solving) crime. Increasing crime rates and the (greater awareness of modern criminals) puts a strain on existing methods and techniques. There is therefore a clear need for the application of advanced software technologies in order to make the best use of limited resources. The objective of this project is to provide an insight into the role software systems are playing in Police Forces.

## **1.1 Purpose :-**

The main purpose of the project is to provide a very easy and user friendly access to the police investigatory system. Police investigatory system or police management system is a system which provides a very easy way to report a crime. In this project we provide user a service which directly connected to the police system. Also this can aware the peoples about their rights and law. A special portal for the women is also provides in this project. Our main purpose is providing an easy understanding and accessible police crime investigatory service. Main purpose to build this kind of project is to increase the speed of detecting and reporting a crime. It also show the step by step process of police and low and order about their investigation. It also gives a unique id for the police officers. It provides a list of all the police station near by your entered location.

## **1.2 Project Scope :-**

Goals and scopes of the project are like:-

1. To provide easy way to interact with our law or police system.
2. User friendly interface for all.
3. Provide information about law and order.
4. Provide information about police stations nearby your location.
5. Provide a fast access and report a crime from any place.
6. Updated and maintained record of every case. (Gives Information about pending solved or under-processed cases).
7. Provide women a best level of security feature.
8. Special portal for women.(Hides the personal information of the women)
9. Special portal for police officers.(Login to their personal database; maintained by government
10. Further developed into android application (Which includes the GPS or Current location service).

## **2. OVERALL DESCRIPTION**

The project is based on the police investigation system or we can say that it is an easy crime reporting system. In this project we can report a crime from device over internet. This project also keep the data of the crime reported their case study and various steps of investigation. It also keeps the data of every police officer. First user has to register and create account, and then he can access the other features. A special portal for the women is also available in this project. It can also provide information about law and order or nearby police stations,

### **2.1 Project Features**

The main features of the project are:-

1. The project is user friendly.
2. Easy way to report a crime.
3. Quick response and honest way of crime investigation.
4. Special portal for women.(Hides the personal information of the women)
5. Database of the cops or police officers.
6. Updated and maintained record of every case. (Gives Information about pending solved or under-processed cases).
7. All the information about police stations and law and order.
8. Database of police officers.(maintained by government)
9. Further developed in Android application.

### **2.2 Operating Environment:-**

The operating environment is simple and user friendly. This project will run on the windows or Linux operating system. It is web based project on web browser like “Google Chrome”, “internet explorer” etc. is used. Further this project will also build for Android operating system.

### **3. FUNCTIONAL REQUIREMENTS & SPECIFICATIONS**

In this project various functions are working. Every function have their own specific meaning and purpose. This whole project is working online (HTML/CSS) and oracle database is used in it. Some documentation is done in java also. This project is run in action listener events. It is a kind of web view where we can do our work.

#### **3.1 System Features :-**

1. Intel core i3 or higher version.
2. RAM 1GB or higher.
3. HDD space 2-4 GB

#### **3.2 Front end requirements:-**

1. HTML
2. CSS
3. Other language and scripts for web designing.

#### **3.3 Back end requirements:-**

1. JAVA
2. DATABASE CONNECTIVITY(ORACLE DATABASE SERVER)

## 4. NON-FUNCTIONAL REQUIREMENTS SPECIFICATIONS

1. **Planned approach towards working:** - The working in the organization will be well planned and organized. The data will be stored properly in data stores, which will help in retrieval of information as well as its storage.

2. **Accuracy:** - The level of accuracy in the proposed system will be higher. All operation would be done correctly and it ensures that whatever information is coming from the center is accurate.

3. **Reliability:** - The reliability of the proposed system will be high due to the above stated reasons. The reason for the increased reliability of the system is that now there would be proper storage of information.

4. **No Redundancy:** - In the proposed system utmost care would be that no information is repeated anywhere, in storage or otherwise. This would assure economic use of storage space and consistency in the data stored.

5. **Immediate retrieval of information:** - The main objective of proposed system is to provide for a quick and efficient retrieval of information. Any type of information would be available whenever the user requires.

6. **Immediate storage of information:** - In manual system there are many problems to store the largest amount of information.

7. **Easy to Operate:** - The system should be easy to operate and should be such that it can be developed within a short period of time and fit in the limited budget of the user.

### 4.1 Performance Requirements:-

1. Response Time.
2. Workload
3. Scalability
4. platform
5. Accuracy

### 4.2 Compatibility Requirements:-

1. Windows Operating System (All New versions)
2. Linux Operating System.