# Chapter One 1. Introduction

The proposed system applies to Police stations all across the city and specifically looks into the subject of Crime Records Management. It is well understood that Crime Prevention, Detection and Conviction of criminals depend on a highly responsive backbone of Information Management. The efficiency of the Policing function and the effectiveness with which it tackles crime depend on what quality of information it can derive from its existing records and how fast it can have access to it. It is proposed to centralize Information Management in Crime for the purposes of fast and efficient sharing of critical information across all Police Stations across the city. Initially, the system will be implemented across Cities and Towns and later on, be interlinked so that a Police detective can access information across all records in the state thus helping speedy and successful completion to cases. The System would also be used to generate information for pro-active and preventive measures for fighting crime.

# Problem Statement of the Project

Problems in the Existing System are:

* ***Limitation on System Retrievals***: -The information is very difficult to retrieve and to find particular information like- E.g. - Searching for crime detail information.
* ***Problem on information storage****:* - The information generated by various transactions takes time and efforts to be stored at right place.
* ***Problem on updating Records****:* ***-*** Various changes to information like crime details are difficult to Update.

## **Objectives of the project**

## **1.2.1 General objective**

This project “Crime Record Management System**”** is to design and develop an automated system which used to automate Crime Recording System. The system is proposed to centralize Information Management system in Crime for the purpose of fast and efficient sharing of critical information across all Police Stations across the city, so that a Police detective can access information across all records in the state thus helping speedy and successful completion to cases. The System would also be used to generate information for pro-active and preventive measures for fighting crime.

The development of the new system contains the following activities, which try to automate the entire process keeping in view of the database integration approach.

# 1.2.2 Specific Objectives

* To overcome the problem of manual crime recording system.
* The system can provide the details of the police station and the employees.
* The system can provide the details of victims and the registered FIR’s
* The system can provide the details of evidence and their sequence
* The system can provide the details of existing charge sheets and their statuses.

## **Methodology**

**Data gathering**

From Dire Dawa police station to gather information we will use some techniques. We used various data collection methods to get more information from the police station and description also needed deeply to identify how the existing system do; how it gives service to customer; what problems are encountered ,what will happen for future and whether the customer is satisfied or not.

* Observing current activities
* Interview polices and officers
* Documentation analysis

1. Observation: to gather information we will also observed when customers and the employees use the manual and the old system and we identified how it is difficult to manage the criminal cases. So by observing we get how the system do ,what problems encountered and requested some query to customer and they give us more clarification.
2. Interview: we will ask polices, office Directors one by one to get more information, they give us full message about the system that is the system is offline and manual. As theme they gave us we identified problems on existing system and proposed to solution.
3. Document Analysis: - To get more information about our project we have used documents that help us to develop our project. During the analysis of documents, we give a special consideration to those documents which can bring more features to our system.

## **Data Source and Data Collection Methods**

Different method of data collection is used to gather information from both primary and secondary source. These are: -

1. Interview: - in this point we ask to the office police station
2. Document Analysis: - To get more information about our project we have used documents that help us to develop our project. During the analysis of documents, we give a special consideration to those documents which can bring more features to our system.
3. observation

## **Project scope** **In scope**

The development of the new system contains the following activities, which try to automate the entire process keeping in view of the database integration approach.

* Accurate way of recording and storing crime information into the database.
* Accurate way of accessing and retrieving crime information from the database.
* Centralized user friendly and well organized crime records.
* The system at any point of time can provide the details of victims and the registered Fir’s.
* The system at any point of time can provide the details of evidence and their sequence.
* The system at any point of time can provide the details of existing charge sheets and their statuses.
* The system at any point of time can provide the details of the police station and the employees.

# Out Scope

# Significance of the project

It is proposed to centralize Information Management system in Crime for the purpose of fast and efficient sharing of critical information across all Police Stations across the territory. Initially, the system will be implemented across Cities and Towns and later on, be interlinked so that a Police detective can access information across all records in the state thus helping speedy and successful completion to cases. The System would also be used to generate information for pro-active and preventive measures for fighting crime.

**Advantages:**

The development of the new system contains the following activities, which try to automate the entire process keeping in view of the database integration approach.

1. The system at any point of time can provide the details of victims and the registered Fir’s.

2. The system at any point of time can provide the details of evidence and their sequence.

3. The system at any point of time can provide the details of existing charge sheets and their statuses.

4. The system at any point of time can provide the details of the police station and the employees.

# Feasibility Assessment

Feasibility study is the process of determination of whether or not a project is worth doing. There are many types of feasibility study.

# Economic feasibility

Economic feasibility identifies that whether the new developing system is economically feasible or not. Economic justification is generally the cornerstone consideration for most systems. Economic justification includes a broad range of concerns that includes cost benefit analysis.

Since the system is being automated to avoid extreme problems of recording manually form, this in turn helps them to increase their satisfaction than they get can before. For the project we are working on, we have the following benefits and costs.

Benefits:

* **Tangible Benefits:**

The main advantage of this project was going to be computerized in order to reduce resources used for manual operation and it will save time that can be spent during manual system.

* **Intangible Benefits:**

The intangible benefits we have pointed out in the system development are:

* Increased speed of activity,
* Increased flexibility,
* Increased authentication, and
* More timely information.

# Technical feasibility

A study of resource availability that may affects the ability to achieve an acceptable system. This evaluation determines whether the technology needed for the proposed system is available or not. Because of projects were going to expected greater return on their development, technical risks were valuable tool to understand the sources and types of risks as well as their management.

|  |  |
| --- | --- |
| Risk Name | Risk Management |
| -Failure to attain expected benefits from the project | -Reviewing /Feedback mechanism of the project procurers |
| -Inaccurate project cost estimates | -Allocating budgets for each task |
| -Inaccurate project duration estimates | -Breaking tasks into section |
| -Failure to achieve adequately system performance levels. | -Applying new/modified procedure |
| -Failure to integrate with the existing hardware, or software | -Using the version of them |

# Operational feasibility

It is a measure of how well a proposed system solves the problems and takes advantage of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase of system development. Process in web based crime record management system, first the data should be gathered etc. Evaluate –by comparing the previous system, the new crime record management system can satisfy all the need?

* Implementation- to implement crime record management system, we need to know the hardware and internet resource.
* Résistance – try to omit or avoid systems that make users ambiguous or confuse.
* Strategies – here, our aim of developing these systems rather than the previous is to make all users applicable or fully satisfied with it.

# Schedule feasibility

The project is intended to be with in fixed time interval. Unless and otherwise we may fall in difficulty in cost estimation and as well as we may fall in the financial problem. To overcome such problems, we fixed the time interval in which we should finish the development of the whole time among different section of project by using the two (2) techniques of schedule like Gant chart.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Task name | Nov ( 15-22) | Dec (1-8) | Dec (10-29) | Jan (1-11) | Jan 15,2016 |
|  | Project description and proposal |  | | | | |
|  | SRS |  | | | | |
|  | Designing the document |  | | | | |
|  | Implementation of document |  | | | | |
|  | Submission date |  | | | | |

* Gantt chart is more effective when we are seeking work schedule.

Legend: Shows Task completed

Shows Task incomplete

# Management issues: team configuration and management

# Team configuration

In our project, we have five (4) members where each of us has specified work and also the project is supervised by one of our members.

The following are the types of tasks and as well as the responsibility each of us can have.

|  |  |  |
| --- | --- | --- |
| **Task** | **Group Name** | **ID No** |
| Project manager | Yordanos Terfe | 2136/05 |
| System Requirement And specification (SRS) | Lielt Dimese | 1951/05 |
| Analysis and Design | Shumalem Teshome | 2068/05 |
| Implementation And Testing | Yoseph Gemechu | 2139/05 |

* 1. **Communication plan**

While we are working on our project, we use the following techniques in order to meet one another and then exchange our suggestions or ideas. Those techniques are listed in the following table.

|  |  |
| --- | --- |
| Number | Techniques |
| 1  2  3  4 | Mobile phone  E-mail account  Schedule (time table)  Facebook |