

2021

DEEPDEVS

Contents

[Executive Summary 2](#_Toc69678716)

[Purpose 2](#_Toc69678717)

[Justification (Future) 2](#_Toc69678718)

[Background 2](#_Toc69678719)

[Problem statement (Current Situation) 2](#_Toc69678720)

[Challenges 2](#_Toc69678721)

**Chapter 1**

**Title: e-Police Management System**

# Executive Summary

## Purpose

The primary purpose of this project is the computerization of police management system in South Africa. The projects aims to develop a closed source e-Police Management System (e-PMS) that is designed and programmed to manage operations on daily basis at local and provincial police facilities in South Africa.

## Justification (Future)

The implementation and integration of e-Police Management system foster efficient and effective decision making. The e-PMS provides accurate information when requested; minimizes both service and resource constraints. Additionally, the automation of this process in Police facilities/department will lead to less human errors. This process will reduce irregular costs, enhances access to service and labour force, which will in turn improve service in timely manner.

## Background

## Problem statement (Current Situation)

The current management system used in the South African Police departments/stations still relies extensively on traditional methods of data capturing and tracking. With the current system, the accused data is manually recorded in the docket file. This process is done by police officers and only the results of crime status are recorded. Challenges presented by the current systems remains as the data is still manually recorded and only supports individual stations. In addition, other challenges include insufficient capacity, lack of immediate retrievals, bias, lack of prompt updating, human error, and error prone to manual capturing, preparation of accurate and prompt report, loss of “accused” data due to poor record keeping and archiving. Factors associated with these challenges can be classified into technical, behaviour and organizational. Police Information System (PMS) is a system that tracks, retain, stores, retrieves, manipulate, processes records, documents, of files pertaining to law enforcement operations. This project aims to take advantage of the fore mentioned advantages and explore the implementation and integration of e-PMS in South Africa. For the purpose of this project, e-PMS is limited to South African law enforcement operations only.

## Challenges

* Delivering the fully functional system on time.
* Inefficient records disposition.
* Data migration
* Enforcing Security measures
* Fear of change
* Hardware and infrastructure
* Hacking attacks, Viruses, malware