

SAPIO

ANALYTICS

2022

CASE STUDY

SMART COP APP

Towards achieving Global
Policing Standards

About the Case Study

Note: Smart Cop can also be replicated for diversified localities and organizations and a combination of multiple purpose can be covered using this tool.

The Case Study is all about Smart Cop, a mobile application or tool developed by Sapio Analytics along with Dinosys Infotech that places a strong emphasis on combining existing interdisciplinary information, improving analysis techniques, and developing more efficient police strategies. For example, the Data-Driven Approach to Crime Scene Management is a technology that specializes in handling evidence collected at a crime scene, and its notification feature aids in pulling data from various media. Escape routes and the location of the incident could also be tracked. Also, describes how the police can effectively manage their limited resources with this new data-driven and AI-based policing.

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Purpose of this Case Study

The purpose of the case study is to demonstrate how using the **SMART COP** tool developed by **Sapio Analytics along with Dinosys Infotech** when used on a daily basis in policing can help police agencies to figure out what works in crime reduction and crime prevention initiatives, as well as lead to much more effective decisions, faster actions, which can lead to better policing, higher impact on citizens, and improved citizen satisfaction. It's to demonstrate the value of such efficacious, efficient, and cost-effective law enforcement strategies and tactics based on data and analytics, especially when it's aided by Sapio Analytics' exclusive systems.

Background of the Product

Short brief

Smart Cop- Towards Achieving Global Policing Standards

Sapio Analytics along with Dinosys Infotech is providing training consultations and analytical solutions backed by Artificial Intelligence to the enforcement bodies in matters related to cyber-crime, suspect profiling, predictive policing, and so on.

The Smart Cop tool developed by Sapio Analytics along with Dinosys is an essential guarantee to modernize the police to manage local security. It will also emphasize the new exigencies of the police management system. It can likewise be utilized for mapping crime which can monitor high-crime locations. With this, police can monitor very closely and have a real-time pulse on criminal activities.

The mounted Smart Cop App will enhance the balance, security, sustenance, and scalability of the existing department. The application facilitates an integrated policing management system along with an information processing platform that will empower front-line Police Officers who are on a beat towards achieving Global Policing Standards.

Problem Statement

India is known as the world's largest democratic country, little is known about how it polices such a vast, complex, and unpredictable country. As a result, police officers encounter challenges and barriers in carrying out their duties on a daily basis. Some of the problems faced are-

- The police leadership has not placed a high priority on using technology to deliver services to citizens.
- Investigations are being delayed due to a lack of collaboration between internal divisions.

- The training standards are quite inadequate and do not account for the use of new technology.
- There is a significant disparity between the rate at which crimes are committed and the rate at which FIRs are filed.
- The workload is one of the key causes of police inefficiency once again.

Solutions to the Problems

The fundamental function of police forces is to uphold and investigate crimes, safeguard the safety of citizens, and enforce laws. In a large and populous country like India, police forces must be well-equipped to fulfill their duties effectively. As a result, the police force must adjust to changing conditions. Police modernization has been needed for data protection, counterterrorism/insurgency, and reliance on technology for policing. This necessitates more investment in technological advancement and modernization.

So, to **solve the problem in a modern way Sapio Analytics Came up with Smart Cop** which aims to train the law enforcement agencies on emerging technology, mitigating cybercrimes, enhancing their skill set as well as capacity building so that they are combat-ready in a real-time basis. The Smart Cop is an essential guarantee to modernize the police to manage local security. It will also emphasize the new exigencies of the police management system.

What do we Offer?

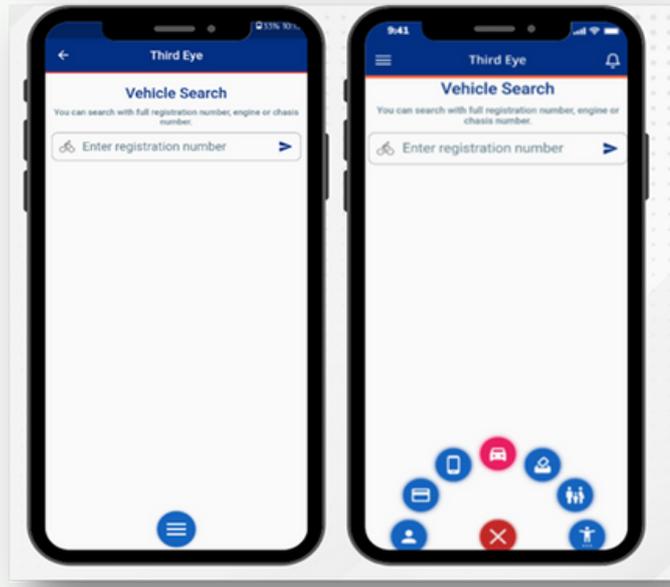
1. Incident Management
2. Third Eye
3. Gun License
4. Collaboration
5. Jail Releases (JRMS)
6. Work Basket
7. Parking Slot
8. Towers and CCTV Cameras
9. Missing Person Tracker
10. Crime Scene Management
11. MO Offenders Checking & Other State Offenders
12. Crime Detection Mapping
13. Patrol Management

Benefits of the App

The main aim of Smart Cop is to **digitize the whole functioning** of beats. In the due process, we facilitated the beat police with one application and have integrated the IT applications and databases which are in line with the beat system, and converged them on to Smart Cop.

- Effectively utilizing Information and Communication Technology (ICT) traversing from **E-Governance to M-Governance**
- Empowering and delegating the frontline Beat Police Officers for demonstrating **quick & smart decision making**
- Delivering Services '**Anytime & Anywhere**' for faster response to the Citizens
- **Seamless integration** of different application functionalities through **Single-Sign-On services**
- **Efficient identification** and tracking of suspects, **quicker resolution** of cases, and increased rate of convictions for the offenders
- Proactively preventing crimes through **real-time intelligence** inputs and analysis relating to crimes and criminals
- Encouraging **transparency and accountability** in every police personnel

How Product Helps & Solves the Problem

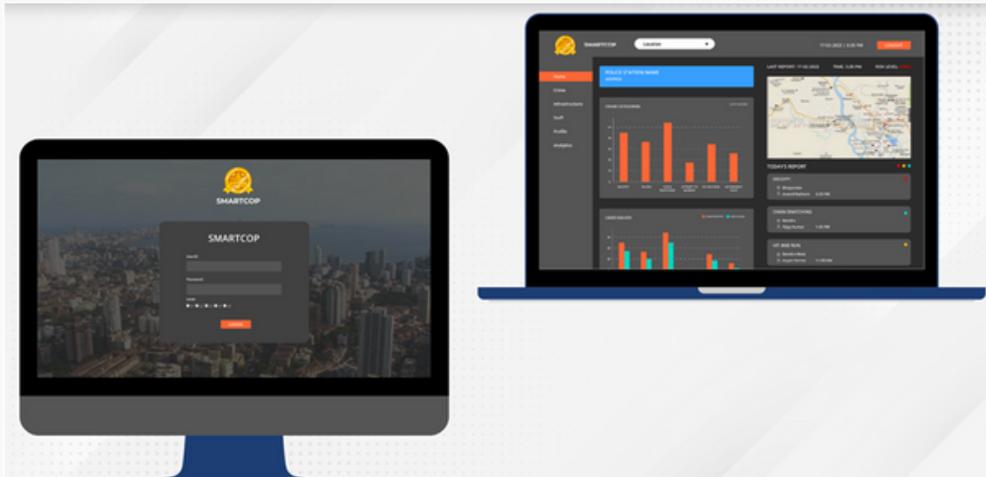


Screenshot of Third Eye module offered It helps in filtering and analyzing data based on personal details such as vehicle registration numbers, mobile numbers, PAN card etc.

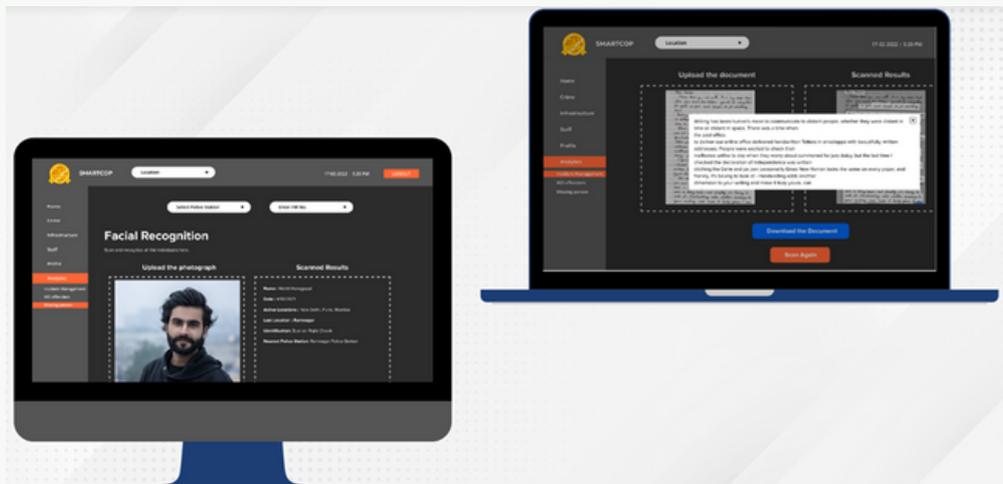


Screenshot of the Crime Scene Management module offeres recording data right from arriving at the crime scene, preliminary documentation, and evaluation of the scene as well as its processing and completion.

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The SMART COP dashboard allows users to see crime data in real time with the use of Artificial intelligence. The dashboard also gives the graphical representation which is easy to understand and interpret like the number of cases in the locality, pending and how many crimes are being dealt with



Facial recognition technology is used in Smart Cop to identify criminals at the scene of an incident. It can also aid in the detection of free-roaming criminals. Real-time data monitoring is possible with this technology as well as real-time image and video monitoring.

SMART COP allows officers to capture important information at the touch of a button, giving them more flexibility and improving situational awareness while on duty.

Outcomes



Mandate Letter from Chandrapur Police



Reducing Human Error



Cutting the Clutter and Increasing Transparency



Digitization of Records



Faster and immediate actions

1. **Mandate Letter from Chandrapur Police:** When the idea of the Smart Cop tool, developed by Sapio Analytics and Dinosys Infotech, was presented, Chandrapur district police stepped forward and took the initiative to implement a change that would improve the capability of their police personnel both in the field and streamline policing.
2. **Reducing human error:** Officers can scan and record information in real time with the help of the Smart Cop tool, which can be used on any smartphone or other mobile device. It aids in drastically lowering the number of potential errors.
3. **Digitization of Records:** Smart Cop digitalizes the records and saves it for the future use, which increases efficiency, records are protected and modernize according to the need, overall improves the performance.
4. **Cutting the clutter and increasing transparency:** As everything is recorded digitally and in real time, there is increase in transparency which also increases the accountability.
5. **Faster and immediate actions:** With the use of Smart Cop, officials can gain access to data, also, it simple to locate various records quickly. As a result, faster and more prompt actions are taken.

Conclusive Summary

The case study shows how as the rate of crime rises; the utilization of existing Artificial Intelligence algorithms is proving to be extremely beneficial. The tool developed by **Sapio Analytics along with Dinosys Infotech- SMART COP sets a promising example.** To a considerable extent, Smart Cop aids in the prediction of crime as well as the criminal. Artificial intelligence has the potential to become a permanent element of the criminal justice system.

Technological reforms are required to accomplish the vision of SMART policing, it's important to train the police for new challenges, and strengthen their investigative and emergency response capabilities. This will eventually increase public confidence in the police force's effectiveness and its ability to serve efficiently.

The police force must be eager to bring a change and adopt new-age technologies and systems into the realm of law enforcement for it to be more proactive than reactive.

SMART COP, a tool developed by Sapio Analytics along with Dinosys Infotech, is the best choice to achieve the goal of SMART policing and Global Policing Standards