

24

*Years of
Group
Innovation*



AI-DRIVEN Integrated Real Time **INTELLIGENCE**

*Transform fragmented systems
into a unified intelligence
ecosystem powered by
analytics, automation, and
real-time monitoring.*

Transforming Crime Prevention with Technology

Integrated Intelligence Portals allow law enforcement agencies to address crime strategically, proactively, quickly, thoughtfully, and overall, more effectively by consolidating and analyzing data from multiple sources and sharing the same for decision making and enabling actions.

The Need for Technological Innovation in Crime Prevention:

In today's world, embracing innovative technology for crime prevention has become an imperative for police departments worldwide. The law enforcement landscape is evolving rapidly, and keeping pace with these changes is essential.

APPLICATION IN SILOS



CURRENT SCENARIO



PROPOSED SCENARIO

SOCIAL MEDIA & NEWS MEDIA



Despite advancements, several critical applications, including Emergency Response System, City Surveillance (CCTV), CCTNS, and various internal systems, have been used in isolation. What's missing is a unified approach to leverage data from these diverse sources to coordinate responses to crimes effectively.

Features and Benefits

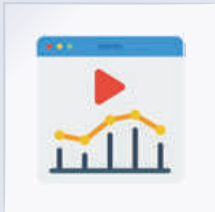
The IIP is a sophisticated features that brings together cutting-edge technologies and data sources to enhance law enforcement efforts:

Core Technical Features



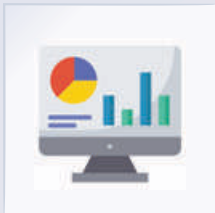
Unified Data Integration

Seamlessly connects Emergency Response Systems, CCTV networks, CCTNS databases, ROIP communication channels, social media feeds, and intelligence portals into one centralized dashboard.



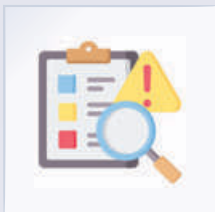
AI-Powered Video Analytics

Detects suspicious patterns, unusual activities, and potential threats through intelligent video monitoring, enabling proactive surveillance and faster response.



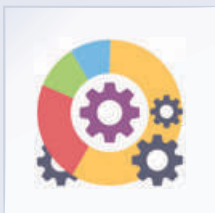
Real-Time Intelligence Dashboards

Live visualization of incidents, alerts, and operational data helps officers make informed decisions instantly.



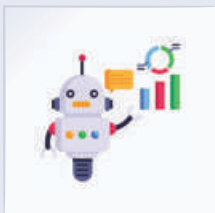
Operational Intelligence Enhancement

Supports investigations, patrol management, intelligence monitoring, and resource planning through data-driven workflows.



Data Lifecycle Management

Automated data ingestion, cleansing, enrichment, and secure sharing across departments.



Advanced Predictive Analytics

Uses machine learning models to analyze trends, identify risk patterns, and support preventive policing strategies.

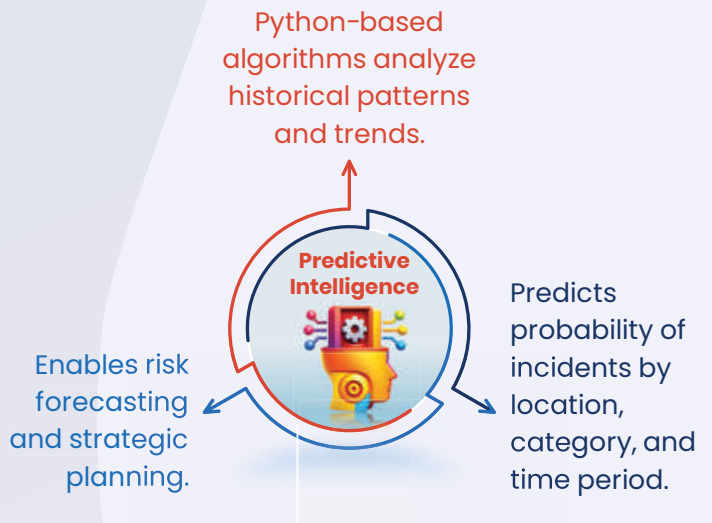
In essence, the integrated web portal and the IIP represent a significant leap forward in the capabilities of law enforcement agencies, enabling them to harness data and technology to improve public safety and respond proactively to emerging challenges.

DSI Prediction – Daily Situation Intelligence

In our AI-based Intelligent Policing project, we are developing DSI Prediction (Daily Situation Index) to analyze historical event data and support proactive law enforcement decision-making.

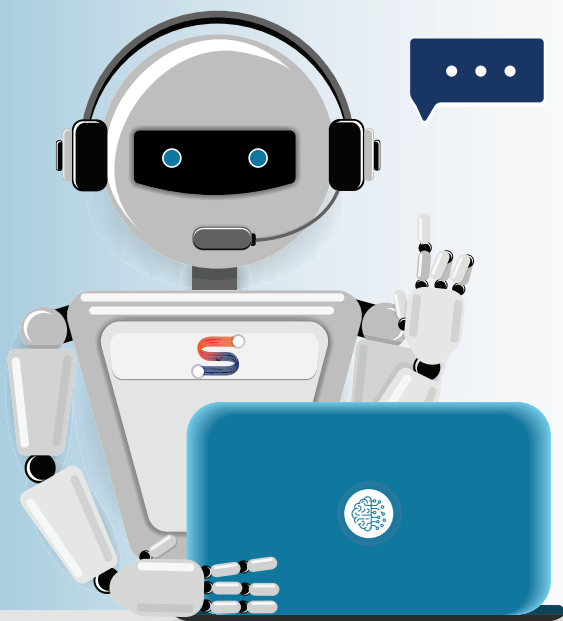
Data Foundation

- † Police Headquarters maintains a centralized database of all registered events.
- † DSI includes multiple verticals such as crime incidents, fire events, and public activities.
- † Each record captures date, location, involved persons, purpose, repercussions, and detailed event descriptions.
- † Nearly 10 years of historical data combined with continuously incoming daily data.



AI Chatbot – Intelligent Search & Analysis Assistant

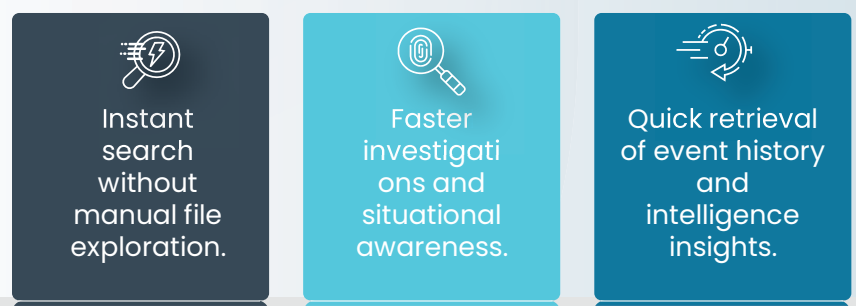
A secure AI chatbot deployed locally within the police infrastructure to provide instant access to historical and real-time DSI data.



Key Capabilities

- † On-premise deployment ensures complete data security.
- † Connected to the full historical data categorized by area and event type.
- † Natural language queries such as:
- † Events in a specific location
- † Past involvement history of a person
- † Incident trends and summaries

Operational Benefits



Monitor Real Time Incidents



Incident Happened
If any incident happens, its been reported to Emergency Response System.



Alert on IIP Portal
All the registered incidents are been notified and alerted at the IIP



Filtering Incidents
All the notified incidents are been filtered in IIP portal and most severe incidents are been filtered out.



Monitor Realtime using Emergency Response System & ROIP

Incidents are being marked on map. They are color coded as per the severity. Can track real time situation by checking particular location camera or walkie talkie recording

Functional Specifications

Alerts and Notifications: We offer the functionality of Alerts and Notifications within the application, empowering users to set multiple alerts based on specific threshold data points or keyword values.

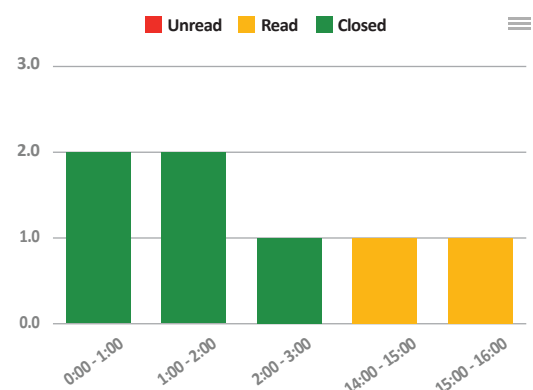
Drill-Down Functionality: We provide the Drill-Down functionality in the BI Application, enabling users to seamlessly transition from a high-level overview to the most detailed and granular information for deeper insights.

Web Scraping: Our application allows you to scrape websites as per your configured or provided list. Facebook Data Extraction: You can extract public data from Facebook pages and conduct keyword-based queries on this publicly available data.

Structured Web Search: We provide the capability to perform free-text searches on the web and retrieve results in a structured format.



Alert Summary by Status



Text Analytics and Similar Sounding Advance Text Search feature

We offer text analytics and advanced text search capabilities within the BI Application, allowing users to extract insights from diverse unstructured, multi-language data sources. Additionally, we provide sentiment analytics for various social media sources.

We offer tools within the BI Application to perform keyword-based sentiment analytics on a wide range of unstructured, multi-language data sources. These tools have the capability to identify "sentiment-bearing keywords" and categorize datasets into positive and negative sentiment categories. The BI Application leverages these sentiment categories and keywords to create valuable insights presented through dashboards and reports.

Our BI Application not only analyses data for sentiment and keyword categorization but also provides intuitive data visualization tools. You can transform your insights into clear and informative visuals, such as charts and interactive dashboards, facilitating a better understanding of complex data trends and enhancing decision-making.

Text & Sentiment Analytics

Track Keywords

Track Keywords from social media posts, comments and news feeds.



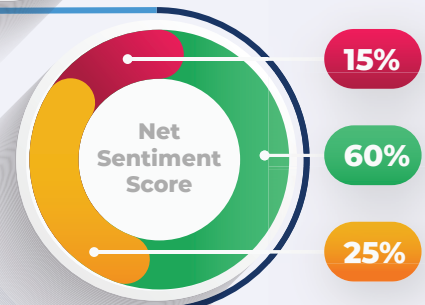
Categorize Keywords

Categorized Keywords as positive, neutral and negative based on predefined keywords like hatred, lynching etc



Visualize Results

Visualize these texts & sentiments after analyzing using graphical form for better understanding.



A Unified Solution: Bridging the Gap

Our project aims to create a unified system that allows for comprehensive data viewing and analysis. This unified system will serve as a valuable tool for response planning and execution.

By reimagining how data is collected, processed, and shared, we envision a future where technology empowers our police force to respond more effectively and proactively to prevent and combat crime.

Conclusion

IIP is a powerful tool for all in one solution. Its seamless data integration, predictive analytics, and user-friendly interface make it an invaluable asset for The Indian Police Service Department. IIP will revolutionize the way of innovation for a safer and more efficient future.

Integrating IIP offers an array of advantages. That includes enhanced crime prevention, efficient resource allocation, improved incident response, data-driven decision-making. Moreover, it provides cost effectiveness, adaptability, and, most importantly, bolstered public safety.





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