



# RECON

## *Fighting Crime through Data Integration: Enhancing Safety of Public Property*

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### **PROBLEM:**

Urban local bodies incur losses due to the theft of public property/assets that are established using taxpayer's money. And there are no proper monitoring and reporting mechanism for such thefts.

### **VISION:**

To reduce theft of public property/assets by offering smart and sustainable solutions to ULBs to digitally monitor its assets through data integration and increased public participation.

### **AIM:**

**To develop a monitoring toolkit to address public property theft in the city.**

### **DESCRIPTION:**

Many of today's cities—especially those that are growing very quickly—experience a convergence of factors that increase the risk for destabilizing levels of violence if they are not appropriately addressed (World Bank, 2011). In the present discourse of urban issues discussion, assessing cities through the lenses of safety against criminal offenses is required. As per the data published by the National Crime Record Bureau (NCRB), in 2018, Crime involving Property has the highest share of 49% among all the types of crime in India. Amongst Property crimes, theft has the highest share of 91% in the year 2018. To sort project relevance to a specific ULB issue, Theft of Public Property is chosen to be a focus area of the project. The project will integrate the domains of crime (theft) & surveillance with ULB's services, public space design, and urban planning factors. The spatial aspect of public property theft i.e. place of incidence, type of item lost, can help understand the spatial concentration of pilferage in a city with respect to time, seasons, and city cultural events. Combining Theft Heat Mapping with other contributing urban attributes will help identify the areas in the city which are more susceptible to offenses, type of offenses, and most probable contributing factors. Thus a Spatial Analytical tool will help the city authority to take an informed decision to deploy surveillance and safety measures more efficiently. To address the issue of monitoring of public property loss or harm, a real-time Reporting Mobile Application for citizens and officials is envisaged. The Reporting Mobile Application will act as a dynamic input to the spatial analytical tool, enhancing the output. The project has the scope to be scaled across other types of crime involving property (Robbery, Burglary, and Dacoity) and replicated across the various municipality. The Monitoring Toolkit for theft intends to create a dynamic model with data sharing mechanism between the Urban Local Body and ICCC units of Smart City.

### **EXPECTED OUTCOME:**

- Spatial Analytical Tool, which also serves as a public property theft visualization tool for ULB.
  - Identification of Venerable areas to theft (Crime)
  - Identification of contributing factors of theft prioritized as per importance.
- Reporting Mobile Application or plugin to existing ULB Application for the citizen and monitoring officials.
  - This will encourage citizens to involve in city development by making them feel responsible for public property theft.
  - This application will help officials to efficiently monitor and report conditions of urban local bodies' assets.

