

Project Summary

Bhopal Smart City Development Corporation, as a part of its Smart City initiative, envisaged a technology solution that could cater to the smart citizens of this new age and modern Bhopal. Smart Map Bhopal is envisioned as a city level GIS portal that will act as a one-stop destination for citizens, businesses and government departments to discover, consume and share information about Bhopal. To accomplish the mission of engaging citizens of Bhopal, the solution provides citizens with an easy to use system; that enables them to access authoritative information of all kinds at a common platform, know their city better with location based information, and explore & understand the rich heritage of the Bhopal city.

Different government departments will collaborate and share information through this portal to help its users leverage the power of GIS for better and efficient decision making. This interactive map system will not only provide citizens with the reliable, timely, and accurate location based information and services, but will also act as a core element for dispersing improved governance and better citizen services.

Solution description

Smart Map Bhopal, a web application that seamlessly functions across various devices has been developed using the ESRI ArcGIS software, a leading GIS software that provides unique set of capabilities for applying location-based analysis.

As part of the solution an unprecedented array of real-time analytics; such as Ward Info, Know Your plot, Around Me, Queries and Themes have been developed to enable citizens of Bhopal to be aware of the public amenities and infrastructure related components available for them in the city.

The Base map gallery functionality in the solution provides citizens with different map data representations of Bhopal to view and scrutinize. The solution is a great avenue for the citizens to truly participate by providing feedbacks & report their grievances.

Smart Map Bhopal solution, also ensures that citizens of Bhopal are kept updated about the latest events happening in their city and also, enter their own public events to part of the listed events in the application.

To promote the rich heritage of Bhopal, a unique and interactive Story map template has been used to allow citizens to explore geolocation information, images and descriptions of Bhopal's heritage sites, museums, gates and lakes.

Project impact: -

Some of the benefits that resulted from this Smart City initiative are;

Citizen specific benefits:

- A platform that provides authentic data from Local Government
- A single platform to access to varied data sources
- Enables Citizen engagement in building /updating city area
- Empower citizen by public crowd sourcing
- GIS location based Grievance Redress
- An easy to use platform that provides reliable, timely & accurate location based information and services

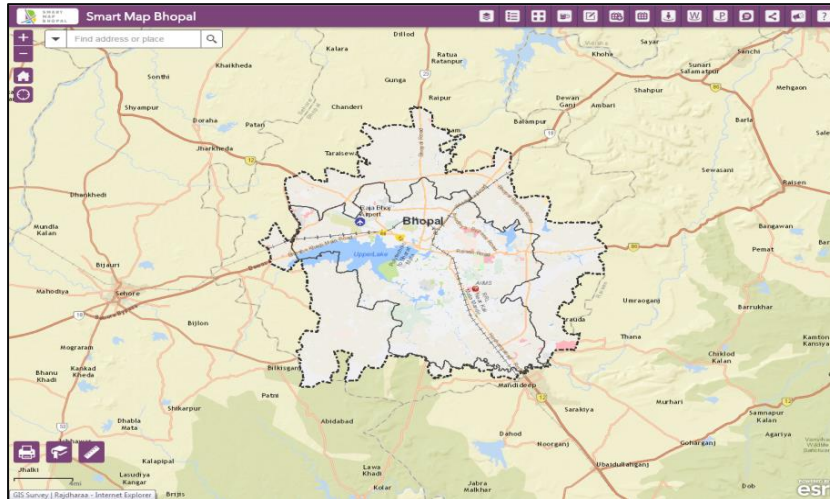
Administration & Municipal Authority specific benefits:

- Back office portal ensures efficient management of queries and grievances
- Various ready to use maps and apps are available as part of the portal to enable self-mapping for planning, designing & implementations
- Portal makes data sharing & collaboration easy and transparent
- Platform that ensures quick results & actions

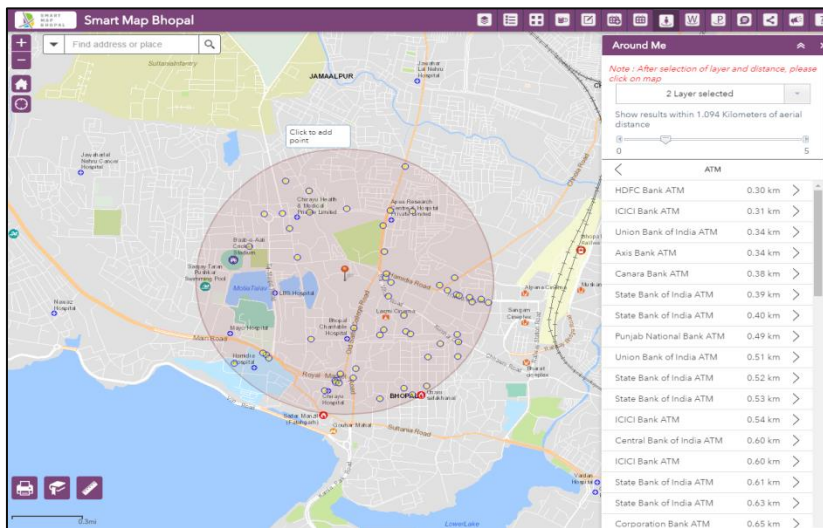
Future Path

A lot of efficient and effective functionalities are already part of the solution. However, we are continually taking steps to chart a successful future path and add more functionalities. Some of the proposed functionalities to be added in the future are:

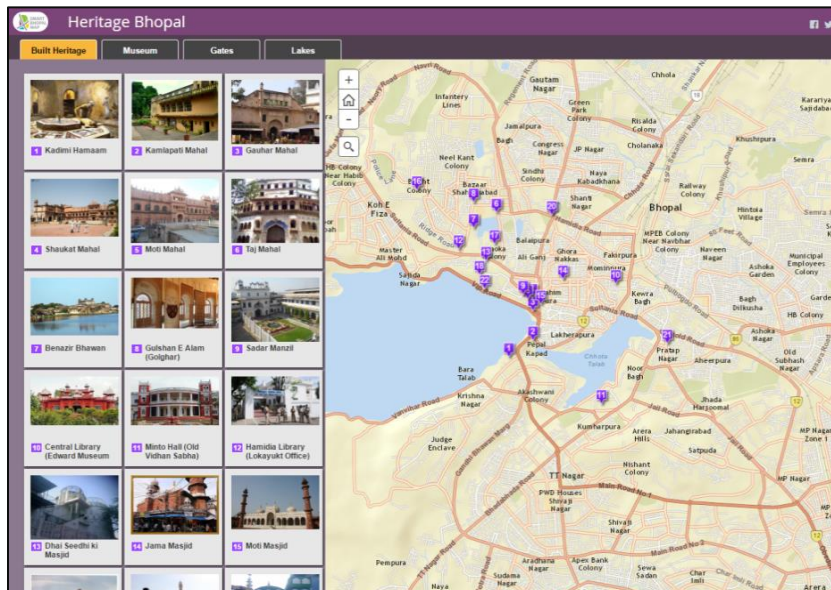
- Maps APIs to be made available for developing custom apps for G2B
- Dashboards for monitoring and tracking of the queries and grievances
- Field crew management
- City Surveillance
- Emergency response management
- Utility management system
- Traffic management and control



Home page of the Smart Map Bhopal Application



Results of ATM search in 1.94 km area Around Me



Heritage Map of Bhopal City

