



COMPENDIUM OF **SMART AND INNOVATIVE SOLUTIONS** FOR AN INCLUSIVE & ACCESSIBLE URBAN FUTURE



ZonoCiti

By Prakhoj Pvt Ltd

Problem Addressed

Assessment of livability and development status of regions is frequently done nationally at a city scale. Irrespective of the overall ranking of the city, various localities within the cities are still seen to be unplanned, with lower liveability conditions and mismanaged utility and infrastructure systems. There is a growing need to understand a city at the locality level to clearly understand the requirements on a more local scale for better governance, investment decisions and well-integrated, comprehensive development for a Smart city.

Product Description

Zonociti is a pan-city solution envisioned to bridge the information gap by providing local scale ranking of livability based on various parameters using GIS tools and models. The solution also aims to provide data-driven insights to the city administration to help them plan and ensure equal and inclusive development strategies across the cities toward a better urban environment and inclusive management. The ranking is done on a relative basis for localities in the city limits, thus there is no comparison done between cities, which can be economically and ecologically very different from each other. Based on the presence and individual ranks of the listed parameters, the application ranks the relative livability of every neighbourhood zone in the city on a scale of 1 - 10. The parameters included but not limited to are - Green cover, Safety, Accessibility to Transport, Business Centers, Healthcare, General Amenities, Noise and AQI levels and Recreation Amenities. There is a scope for the addition of more parameters such as the local property market trends and demography, infrastructure development trends, utility maintenance, etc. The GIS tools and models will be useful for visualising data clearly under varied parameters and units with location data.

The GIS statistical models and data extracted from satellite images will be used to integrate all parameters for analysis to produce a simple relative ranking of the parameters and the overall area. Property listing websites also can integrate the ZonoCiti information to help their users make better investment decisions.

Benefits and Use Case

With the help of GIS technology, Zonociti saves costs and time to travel and research the locality

Place of origin:

Bengaluru, Karnataka, India

Category:

Web Application - Built Environment Data Ranking Dashboard using spatial data and GIS.

Product Development Stage:

Prototype

Commercial information:

NA

Year of innovation:

2021

Pricing:

NA

Revenue model:

Annual/Monthly Subscription to individual users (City administrations, urban planners, real estate investors); API access to PropTech websites with revenue based on the number of monthly API calls by users.





for the stakeholders. With the integration of the available and public data, one can understand the status of all the different regions within the city with just a click. It gives comparative insights and easy monitoring capabilities to understand the urban development strategies and plans for large-scale governance, which can be easily updated frequently. It provides better insights to make investment decisions and get better returns on property investments and investment satisfaction. Integrating property data can be particularly very useful for women in terms of understanding the safety of the locality around the property and also for persons with disabilities and the elderly to ensure quick and immediate access to health facilities, clean environments, and easy accessibility to general shops and recreation amenities. This will not only help understand the intra-city dynamics but also help assess the environmental status of the different areas to ensure sustainability throughout the city by understanding different shortfalls by all the localities.

Target Setting

As there is no similar data-driven information available at a local scale the application can be used by the city and local administrations to understand the requirements of the localities, whether it is environment rejuvenations or infrastructure development and management. Property data from property listing websites for citizens can also be integrated for making such decisions. The initial aim is to conduct a pilot in integration with various smart city projects and city administrators to properly showcase the benefits and highlight the development shortfalls. This would help in the betterment of the city and in evaluating the usefulness of the information provided to scale up the project ensuring maximum utility and ease of use of the application to the stakeholders.



For more information contact: rakhi.ojha@prakhoj.com

