

Geospatial Technology for Developing of Smart Cities in India

Madan MOHAN

Associate Professor of Geography
Centre for the Study of Regional Development
School of Social Sciences
Jawaharlal Nehru University, New Delhi
e-mail: drmdnmohan@gmail.com

Key words: Smart City, Geospatial Technology, Global Positioning, Urbanization, Economic Development

In the recent times, there have been growing concerns for the steady pace of growth in cities. In the emerging and developing country, India, the urban population is currently accounted for about 31.00 per cent of the total population. And, it contributes over 60.00 per cent of India's gross domestic product (GDP). So, the cities are accordingly referred to as the engines of economic growth. There is accordingly growing need for the cities to get smarter in order to handle the large-scale urbanization. There is also needs for finding new ways to manage complexity, increase efficiency, reduce expenses, and improve quality of life by developing more smart cities.

So, the key features of a smart city is in the interconnection between the competitiveness and the capital and sustainability. The smart cities should be able to provide good infrastructure facilities as water, sanitation, reliable utility services and health care. These cities also attract investments as well as provides transparent processes which helps to run a commercial activities. These cities also promises to provide simple and on line processes for obtaining approvals, and various citizen centric amenities to make citizens feel compassionate and content.

However, at fundamental level smart cities need smart planning and smart governance along with sophisticated capacity planning process to directly impact liveability. While the increasing role of geospatial database and technologies available currently enhances the citizen experience, whether it is learning experience or shopping or healthcare or mobility. There is now much trendy in the application of geospatial enabling technologies in addressing fundamental issues like water, energy, sanitation, waste management and mobility. So, there are few sophisticated approaches which few countries have adopted as well as supported by advancement of geospatial data base and technologies in the world with special reference to the developing country, India.