# A STUDY ON SMART CITY

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## Abstract:

*This concept is being used all over the world with different meanings. A smart city is a city that is well planned, and it provides the cost efficient services, environmental efficiency, and technological sound services for the welfare of the citizens. Smart solutions can be helpful in controlling the ever increasing population in the cities smart city is an emerging concept.*

**Keywords:** *smart building, smart city, smart economy, smart energy, smart environment, smart governance, smart living, smart mobility, smart people, smart public services, smart solutions.*

## INTRODUCTION

Smart City is a booming international phenomenon. Smart city word originated back in 1998, but the first funding for smart city came in the year 2000.Every city can become smarter by focusing on six dimensions which are Smart Economy, Smart Mobility, Smart Environment, Smart People, Smart Living and Smart Governance. A smart city is a community that is efficient, sustainable & liveable. The term smart city has become more and more popular in the field of urban planning. Smart cities can work as a tool for controlling the rapid urbanization and various problems caused by the ever increasing urban population. The implementations of the smart technologies can increase the value of the city. Smart city concept introduces new practices and services that highly impacts policy making & planning.

**Various Definitions of Smart City are:**
1. The UK Department of Business, Innovation and Skills considers smart cities a process rather than as a static outcome, in which increased citizen engagement, hard infrastructure, social capital and digital technologies make cities more liveable, resilient and better able to respond to challenges.
2. The British Standards Institute defines it as "the effective integration of physical, digital and human systems in the built environment to deliver sustainable, prosperous and inclusive future of its citizens".
3. IBM defines a smart city as "one that makes optimal use of all the interconnected information available today to better understand and control its operations and optimize the use of limited resources".
4. CISCO defines smart cities as those who adopt scalable solutions that take advantage of information and communications technology (ICT) it increases efficiencies, reduce costs and enhance the quality of life".
5. Accenture defines it as "A Smart City delivers public and civic services to citizen& businesses in an integrated and resource efficient may while enabling innovative collaborations to improve quality of life and grow the local and national economy."

Thus, there are many types of smart city definitions existing in the world. The definitions can vary from person to person & even country to country.

## Review for smart city

Infrastructure plays a major role in the urban development. Some cities have fully grasped the possibility of becoming "Smart City". Smart Cities can be identified and ranked along the six main axes or dimensions.
1. Smart Economy
2. Smart Mobility
3. Smart Environment
4. Smart People
5. Smart Living
6. Smart Governance

Smart city is an integrated urban system. The Smart City vision involves the use of infrastructures like smart grids alongside various forms of renewable energy generations & building new systems of mobility based on the distributed network. A Smart city will be a city whose community has learned to adapt & innovate. The framing of the smart city is done by the planners, policymakers, executives, city departments, developers and industry.

The various steps taken by the leaders to make any city smart are:
• Decide what your City Should be – Determine its Brand
• Adopt Policies Conducive to Skills, Creativity, and Knowledge Driven Growth
• Optimize Around the Citizen
• Development and Application of Information Technologies to Improve Core City Systems.
• Recognizing Talent: Skills, Knowledge, Creativity and Innovation Ability.

The concept of smart city is providing the solution for making the cities more efficient & sustainable. It is quiet popular in the policy field in the recent years. During the 1990's the development of the information technologies was at the peak level & people thought that new technologies can produce new forms of productions, markets, society organization , industries, business districts, residential districts & so on. The term smart city has become more and more widespread in the field of urban planning. Urban planners could provide the necessary guidance for making cities smart by using smart devices and smart concepts.

Smart cities can work as a tool for controlling the rapid urbanization & various problems caused by the ever increasing urban population. The academic research in smart city concept is very less.

According to this paper, there are eight critical factors of the smart city initiatives:
1. Management & organization
2. Technology
3. Governance
4. Policy context
5. People and communities
6. Economy

7.      Built infrastructure
8.      Natural environment

These factors are the basis of an integrative framework that can be used to examine how the local governments are envisioning the smart city initiatives. The framework suggests the directions for smart city research & outlines the practical implications for the government professionals.

## Conclusion
- Smart city concept can be used for transforming any city into a smart city.
- Smart city have various overwhelming benefits & it is a advantageous situation for both, government & the citizens.

## Acknowledgment

## References

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