

“স্মার্ট বাংলাদেশ বিনির্মাণ :সমসায়িক কনস্পেটসমূহ”

উপস্থাপনায়:

শাহীন আহমেদ

সিনিয়র প্ল্যানার

নগর উন্নয়ন অধিদপ্তর

সিলেট আঞ্চলিক কার্যালয়

তোপখানা, সিলেট

মোবাইল: ০১৭৭৭-৪০০-৯৫৯

ই-মেইল: ashaheen11921@gmail.com

uddsylhet@yahoo.com sps@udd.gov.bd

Content: Collected

Presentation Outline

1. What is Smart City? Concept, Theory
2. Vision, Strategy, Goals and Objectives of Smart City
3. Main Features, Dimensions & Components of Smart City
4. How to Design a Smart City?
5. What is IMD Smart City Index?
6. How Ranking Index is made?
7. Which are the top Ranked Smart Cities in the World?
8. Top Ranked Smart Cities in Asia
9. What is the position of Cities of Bangladesh in IMD City Index?

What is a smart city in urban planning?



The smart city concept is established as those “cities with an intelligent economic, institutional, social and physical infrastructure, which ensure the centralization of their citizens in a sustainable environment”, this being a great challenge to achieve.

A smart city is a place where traditional networks and services are made more efficient with the use of digital solutions for the benefit of its inhabitants and business.

 <https://commission.europa.eu> › topics

Smart cities - European Commission

MORE RESULTS

What are the pillars of smart city?



The 4 pillars of a smart city are connectivity, mobility, public engagement, and cyber security.

Sep 17, 2021

What is another name for a smart city?



Smart City, in everyday use, is inclusive of terms such as '**digital city**' or 'connected cities'. Smart Cities as an applied technology term often refers to smart grids, smart meters, and other infrastructure for electricity, water supply, waste and what 2thinknow refer to as, 'city basics'.

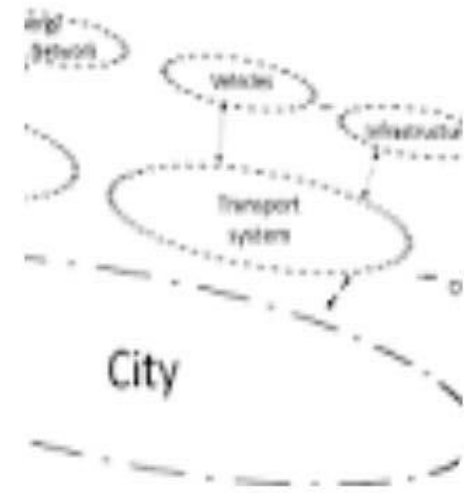
Who is the father of smart city?



Walt Disney: the father of the smart city. Aug 14, 2018

What is the theory of smart city?

In smart cities, **systems are interconnected by energy or information relations**, and information management becomes more and more important. Second, the specific area of the Systems Theory is Cyber-Physical Systems where physical (hardware) and virtual (software) worlds are interconnected.



What is the 15 minute city concept? 

The idea is that **everything a person needs should be within a 15-minute walk or cycle from any point in the city**. This includes work, shopping, education, healthcare, leisure and any other amenities a person may need in their regular life. Mar 31, 2023

What is smart city future?



The Vision for the Future

Smart Cities use digital technology to make urban systems more efficient, cost-effective and environmentally sustainable.

What is smart city strategy?



A smart city is a place where traditional networks and services are made more efficient with the use of digital solutions for the benefit of its inhabitants and business.

What are the main goals of smart cities?

The primary goal of a smart city is to create an urban environment that yields a high quality of life to its residents while also generating overall economic growth.



What are the objectives of smart city?



Efficient urban mobility and public transport.

Affordable housing, especially for the poor. Robust IT connectivity and digitalisation. Good governance, especially e-governance and citizen participation.

What Are The Five Features That Make A City 'Smart'?

- 1) Technological Development.
- 2) Online Government Services.
- 3) Enhanced Transportation Systems.
- 4) More Secure Public Spaces.
- 5) Sustainable Development.

What are the six smart city dimensions?



At bee smart city we are certain that to become a truly smart city or community, municipalities need to advance in six key strategic action fields: **Smart Government, Smart**

Economy, Smart Environment, Smart Living, Smart Mobility, and Smart People.



What are the 8 components of smart city?



Smart City Components

- Citizen Engagement. Citizen engagement is crucial to large-scale infrastructure projects. ...
- Infrastructure. ...
- Broadband. ...
- Public Safety. ...
- Resiliency. ...
- Energy Efficiency. ...
- Healthier Communities. ...
- Transportation.

How to design a smart city?



A city is not fully intelligent without these features but can have additional aspects of smart technology like:

1. Cloud Computing.
2. Edge Computing.
3. Artificial Intelligence (AI)
4. Machine Learning (ML)
5. Application Programming Interfaces (APIs)
6. Machine to Machine (M2M)
7. Mesh Networking.



How to make a smart city?



Keys that define a Smart City

1. Use of information and communication technologies.
2. Building and control automation.
3. Efficient urban planning.
4. Urban mobility and sustainable public transport.
5. Smart waste management.
6. Improving environmental sustainability.
7. Concern for the social environment.
8. Technologies applied to education.

What are the criteria for the IMD Smart City Index?



The SCl is evaluated based on the 36 questions related to the two factors. Each factor is evaluated over five key areas: **Health & Safety, Mobility, Activities, Opportunities for work and school, and Governance.**

IMD Smart City Index 2023

Introduction: A More Precise, Relevant and Impactful Smart City Index

Lessons from the champions:
who is in the top 20,
and how did they do it?

In 2023, the upper echelons of the SCI comprise the 20 cities in the table below. Rankings prior to 2023 have been adjusted according to the new methodology for the purposes of homogeneity and to allow comparison.



City	Rank 2023	Rank 2021	Rank 2020	Rank 2019
Zurich	1	1	1	1
Oslo	2	2	2	2
Canberra	3	—	—	—
Copenhagen	4	5	3	4
Lausanne	5	4	—	—
London	6	3	10	3
Singapore	7	7	7	10
Helsinki	8	9	5	6
Geneva	9	6	8	7
Stockholm	10	11	9	9
Hamburg	11	8	6	—
Beijing	12	17	22	30
Abu Dhabi	13	12	14	16
Prague	14	10	4	8
Amsterdam	15	13	11	11
Seoul	16	18	20	23
Dubai	17	14	19	13
Sydney	18	29	32	22
Hong Kong	19	33	34	38

What rank is smart city in the world?



Among 141 cities studied, **Zurich took the lead, with Oslo coming in second, and Canberra in third place.** Singapore and Hong Kong have, once again, come out as the top Asian cities ranked in the 2023 edition of IMD's annual Smart City Index. Apr 6, 2023

According to the report, [The Smart City Index](#) takes into account input from the cities' residents on how technology has improved their lives. It combines both survey responses as well as hard data, to understand (and represent) the extent to which technology has helped achieve a higher quality of life for a city's residents.

Asian and European cities dominate the top 20 list of the 141 cities that have been surveyed, and of these 20, six have been constantly working towards improving their performance. These 'super champions', as the report calls them, are Zurich, Oslo, Singapore, Beijing, Seoul and [Hong Kong](#).

The data has been collected from over 20,000 citizens, who were surveyed on about 15 aspects of living in these cities. Some of the questions included those on affordable housing, road congestion, green spaces, fulfilling employment needs structures and technologies built to address their concerns and how comfortable the respondents were with technologies such as face recognition and sharing personal data to improve traffic congestion.

What is the best smart city?



Top 7 Smart Cities in the World in 2023

- Singapore. Topping most lists when it comes to smart cities is often Singapore. ...
- Helsinki, Finland. ...
- Zurich, Switzerland. ...
- Oslo, Norway. ...
- Amsterdam, The Netherlands. ...
- New York, United States. ...
- Seoul, South Korea.



Which is the smart city of Asia?



Singapore

Singapore Is Asia's Smartest City, Zurich Tops World's Smart City Index 2023. According to the latest update by the 2023 Smart City Index, Singapore is the smartest city in Asia and the seventh smartest city in the world. Apr 8, 2023

Which is the most smart city in India?



Top 10 Smart Cityies in India

1. Ahmedabad. One of India's cities with the fastest urban growth is Gujarat's major city. ...
2. Amritsar. The historical city of Amritsar, known as the Heart of Punjab, has a vibrant cultural history. ...
3. Coimbatore. ...
4. Hyderabad. ...
5. Chennai. ...
6. Indore. ...
7. Pune. ...
8. Surat.



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Why Dubai is smart city?



H.H. Sheikh Mohammed Bin Rashid Al Maktoum

“Smart City's main aim is **to provide better connections and increase cooperation between the emirate and its residents.** It promotes the use of government facilities using the largest possible number of smart applications.”

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5. Chennai. ...
6. Indore. ...
7. Pune. ...
8. Surat.



Which is the first smart city in Bangladesh?



DC Akand said that prime minister Sheikh Hasina promised to build a 'Smart Bangladesh'. As part of that, **Hossainpur village** has been declared as a 'Smart Village' for the first time in the country.

Mar 7, 2023

Lakshmipur

Bangladesh Sangbad Sangstha . Lakshmipur | Published: 20:28, Mar 07,2023



Lakshmipur deputy commissioner Md Anwar Hossain Akand inaugurates the entrance gate of Hossainpur village of Tewariganj union under Sadar upazila in the district, the country's first 'smart village', by cutting ribbon, on Monday. – BSS photo

Published on 12:00 AM, September 20, 2020

Dhaka not a 'smart city'

Singapore tops 2020 Smart City Index; experts stress for ensuring civic facilities, quality services



Star file photo

Helemul Alam

Dhaka has not made it to the list of 109 smart cities in the world, according to the 2020 Smart City Index.

Why is Dhaka not a smart city?



The infrastructural development of Dhaka has lagged behind, and the condition of our infrastructure, such as streets, drainage system, IT facilities, health care systems and education facilities, is unsatisfying. A highly advanced infrastructure is necessary for creating smart city.

It appears that Bangladesh will experience a smart city's technology benefits for the first time. In place of a Chinese-funded metro rail project in Chattogram city, China has suggested developing a smart city through China-Bangladesh collaboration on a 60-square kilometer region on the coast of the Bay of Bengal in 2022. The plan is to develop Chattogram into a smart city. According to experts in the field, it may even compete with Shanghai, China's most prosperous metropolis and smart city. Undoubtedly, Bangladesh's smart city has a lot to gain for the nation, which was once a regional power decades ago.

However, Bangladesh is moving forward with little steps despite all of these. On October 17, 2021, Sylhet City Corporation (SCC) and Edotco Bangladesh, regional integrated telecommunications infrastructure services company in Asia, inked a contract for the deployment of smart poles in SCC districts with the goal of creating a smart city for its residents. Through this agreement, Sylhet City Corporation residents will benefit from enhanced connection.

A Smart City Index was published in 2020. Economical, technological, and citizen participation data were utilised to rank the cities on this list. Health, safety, mobility, activities, opportunities, and governance were the five main topics covered in the poll. Dhaka was regrettably unable to join the other 109 smart cities across the world. This list was created with assistance from Singapore University for Technology and Design (SUTD) and the Institute for Management Development (IMD).

In 1996 the first smart city of Bangladesh was planned initially by the government. The project was intended to be implemented by the rivers Shitalakhya and Balu at Rupganj upazila, Narayanganj and Kaliganj upazila, Gazipur. In 2016, after that, the Purbachal New Town Project was part of the government's ambition to create a smart city with high-quality infrastructure and contemporary facilities within 2018. The metropolis, which would be split into 30 sectors, would be the largest planned municipality in the country, covering 6,228 acres. This smart city would have its own water and sewerage systems, as well as a waste treatment plan and electricity generating and distribution system. But neither initiative saw a glim

promise till now.



প্রশ্ন????????



THANKS for listening.....