

**International Training Workshop on
Smart cities for Building Inclusive,
Resilient, Livable and Sustainable
cities and communities in Asia and
the Pacific**

United Nations Centre for Regional
Development (UNCRD)

Gurugram



In 2013

In 2023

From its mythological significance to becoming a cornerstone of India's economic growth, Gurugram's journey has been remarkable. Its evolution, from agricultural lands to modern skyscrapers, is a testament to its resilience and adaptability."

Introduction

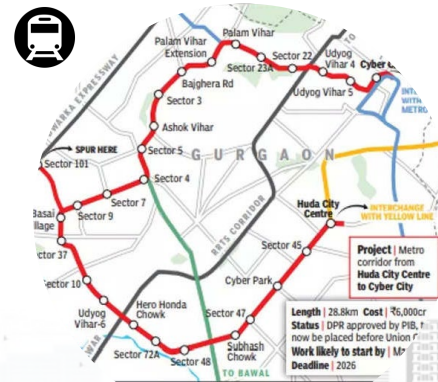
Gurugram (Cyber City)

Located in the northern state of Haryana, India, Gurugram has transformed from a sleepy town to a bustling metropolis renowned for its rapid urbanization and home to numerous Fortune 500 companies.




Haryana

GURGAON DISTRICT



Gurugram	
Area	1253 sq. km.
Population	1514085
Population Density	1241 inhabitants per sq.km.
Population Growth Rate	79.93%
Sex Ratio	853 females per 1000 males
Literacy Rate	84.4%



An aerial photograph of a modern cityscape. In the foreground, there is a large, circular green space with a central fountain and several trees. To the right, a multi-lane highway with an elevated train track runs parallel to the green space. In the background, several tall, modern skyscrapers with glass facades are visible against a clear sky. The overall scene depicts a well-planned, urban environment.

With growth comes responsibility - The responsibility to innovate, sustain, and thrive

Major Issues and Challenges:

Gurugram- Mobility and Public Transport

No walkable Pathways



Existing infrastructure/ services on the medians



In formal vending, parking and encroachment on streets



25 Deaths

were recorded in 2017,18 & 19

due to Road

Crashes/Accidents on the stretch between Aravalli Biodiversity Chowk and IFFCO Chowk.

Speed was considered major reason of these crashes and a speed limit conversation was also initiated during road

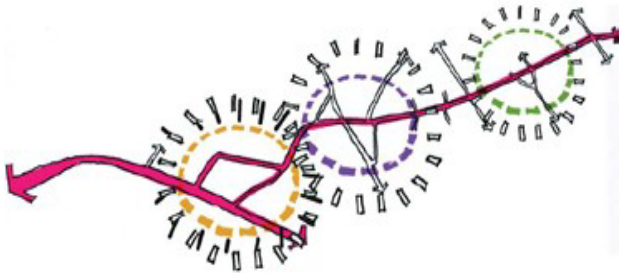


New Initiatives

Gurugram

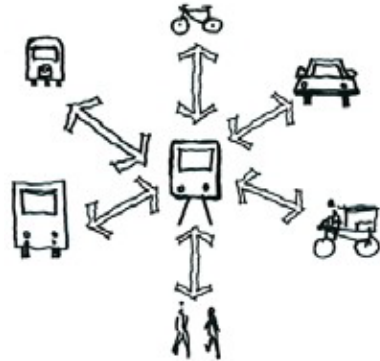
1 Placemaking

Creating distinctive and memorable identities



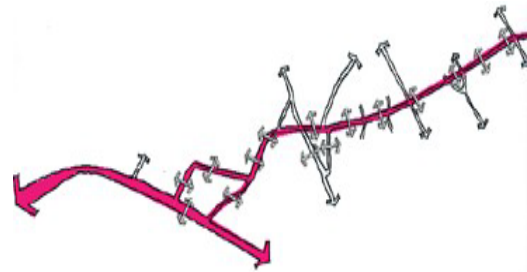
2 Public Transit System

Safe, Sustainable and access for all



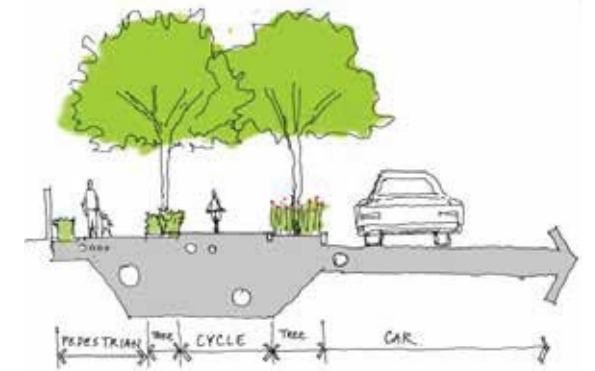
3 Crossings & Connections

Creating legible networks



4 Integrated Landscape

Creating a diverse chain of public lanscape



New Initiatives

New city Plans and Projects

The Mall Road

Re-establish the identity of M.G. Road of a shopping & recreational district



A Place for Transit

Ease of movement across various mode of transport



Access for All

Aim to create an equitable & safer street for all.



Proposals



5 km. Long Cycling Loop

A dedicated 2.4 mts wide cycling loop is proposed to cater safe and barrier free movement.



10 km. Pedestrian path

A public promenade of average of 3.6 mts wide is proposed for pedestrians to access various shopping and commercial areas.



250 Cars on street Parking

The irregular parking on road is mitigated by proposing dedicated on street parking



3 acre Public plaza.

Community space and parks are created for recreational purpose.



06 Bus Stops with auto stand

The metro stations are proposed to be integrated with bus stops and auto stands for the ease of transit.



40 Vending Zones

To accommodate existing vendors on the service lane, vending zones are proposed along pathway

Major Issues and Challenges

Gurugram- treated Wastewater



1 Underutilisation of Treated Wastewater

A significant amount of treated wastewater needs to be fully utilized. Of the 330 MLD of treated wastewater produced, only about 125 MLD is used.

This leads to wasted resources and **potential environmental issues** if not disposed of properly.



2 Maintenance of Green Spaces

Maintaining green spaces like parks and greenbelts often requires significant water resources & using freshwater for these purposes can strain already limited resources.



3 Stagnant Water Issues

Stagnant water in the bodies becomes a breeding ground for mosquitoes.



4 Construction Needs

Construction activities require significant amounts of water, which can further deplete the city's freshwater sources.



Case Study

Gurugram

Usage of TWW in Gurugram

For watering Green belts



For the rejuvenation of Water bodies



Expectations from Training Workshop

1



**Modern
Governance:**

As Haryana shares Chandigarh, a model of modern urban planning, with Punjab, insights on how such planned cities can evolve into smart cities would be pertinent.

2



**Collaborative
Opportunities:**

Engage in knowledge-sharing sessions specific to northern India's urban development trends.

3



**Scalable Solutions
& Knowledge
Acquisition:**

Understanding best practices from other Asian and Pacific countries in the domain of smart city development, emphasizing inclusivity, resilience, livability, and sustainability.

4



**Collaborative
Projects:**

Opportunities to engage in collaborative projects with other nations, fostering mutual learning, and resource-sharing.

5



**Innovative
Technologies:**

Learning about the latest technologies and innovations implemented in smart cities across the region and evaluating their feasibility in the Indian context

An aerial photograph of a city street, likely in Dubai, showing a multi-lane road with a median, surrounded by modern buildings and residential towers. The text 'Thank you' is overlaid in white, centered on the road, with a white underline beneath it.

Thank you