

Northern Technical University
Technical College of Kirkuk
Surveying Engineering Department
Fourth Stage



Town planning and Traffic

Lecture One :

Introduction to Town Planning

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قال تعالى :

«قُلْ هَلْ يَسْتَوِي الَّذِينَ يَعْلَمُونَ وَالَّذِينَ لَا
يَعْلَمُونَ ۚ إِنَّمَا يَتَذَكَّرُ أُولُو الْأَلْبَابِ»

صدق الله العظيم

Town planning

Introduction :

Town Planning is the process of managing land resources. It involves the control of existing and new developments, as well as strategy preparation to ensure manage future requirements. It is a dynamic process that changes in response to policy, development proposals and local needs.

Town planners must try to balance the demands of landowners and developers, with the needs and concerns of the community and the policy framework. If planning is successful, it can provide protection for the environment, can promote and facilitate regeneration, can help create and sustain communities, and can create new and exciting places.

Town planning maintains the best of the past while encouraging creativity and innovation in the development of a sustainable future.

Town planning

Meaning of Town Planning :

- It is the arrangement of various components or units of a town in such a way that the town attains the significance of a living organism .
- It also includes ways and means to be adopted for improvement/extension of the existing towns.
- It helps in achieving the best possible advantages of situation of town and surrounding environment .



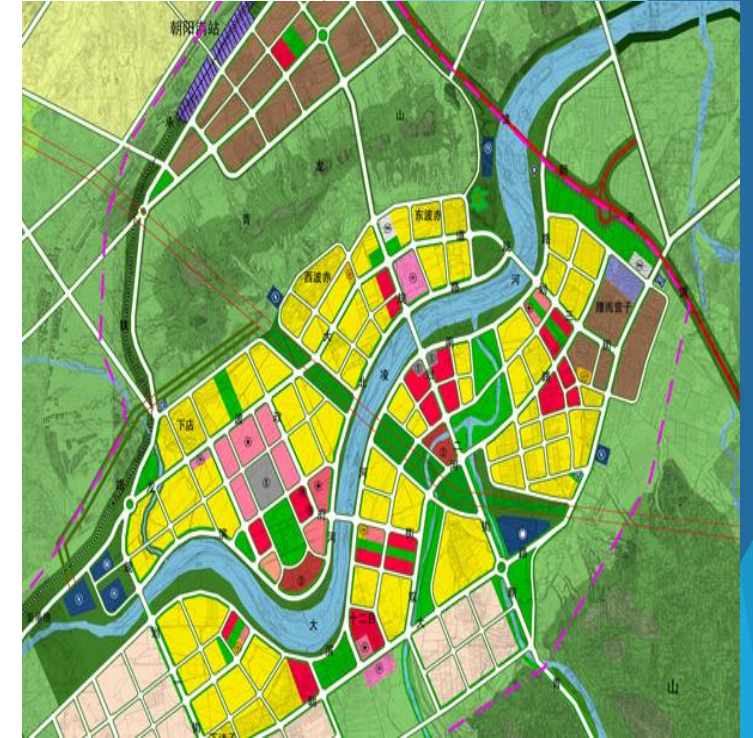
Town planning

The difference between town planning and architecture
Or
The difference between urban planning and urban designing

- It should be noted, The town planning expresses an era. The architecture reveals its spirit.



- Today, designing towns is not as easy as it used to be in the past. We have to deal with problems that did not exist in the past.



- The study of ancient towns, however, helps a lot in solving the complicated problems of town planning even today.

Town planning

Town planning is a science as well as an art too.



- **Science :**
 - Collection
 - Correlation
 - analysis of facts about town

- **Arts :**
 - Arrangement of components.



Both shall be used in such a way that final result is in form of **Beautiful , Convenient , Economical and Efficient unit.**

Town planning

- Objects of town planning

- Beauty

- Convenience.

- Environment

- Health

Town planning

- Beauty:



- Use of natural surroundings

- Architectural finishes to various components

- Preservation of trees/greenery

- Architectural control on public/semi-public buildings, historic, ancient buildings etc.

Town planning

- Convenience:



Various economic, social and recreational amenities to be given to public, such as:-

- Cheap power
- Proper industrial sites
- Transport facilities
- Adequate water supply
- Easy sewage disposal
- Open spaces/ parks/ town halls/ play grounds/ theatres etc.

Town planning

- Environment :



Complex problems in urban living such as:

- Travel to work
- Long working hrs
- Less/ no time for society
- Better relation between man and environment shall be developed

Town planning

- Health :



- Right use of land for right purpose
- Provide parks/ playgrounds for public
- Maintain pollution of various forms to lowest possible deg
- Achieved by dividing land into various zones
resi./comm. /indetc.
- Avoid encroachment of one zone upon the other

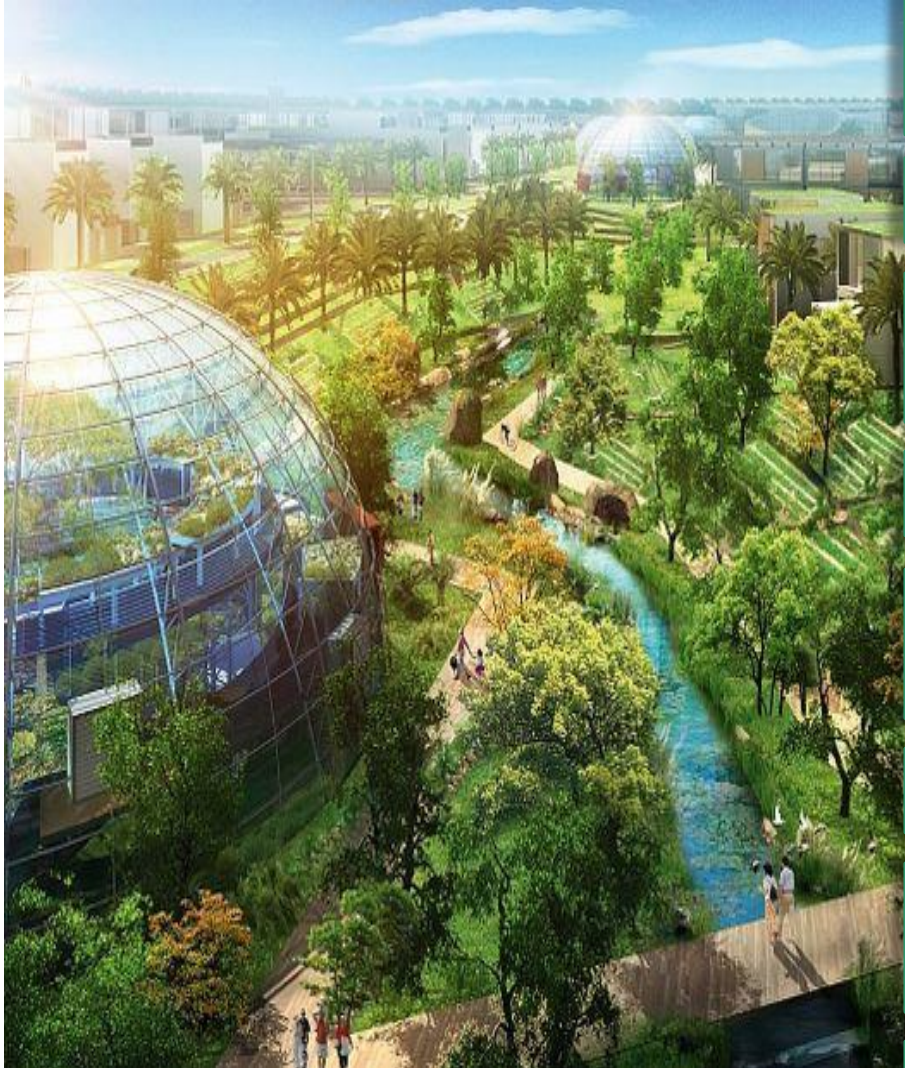
Town planning

- Characteristics of town planning



- Creating new towns and/or villages .
- Balancing community , business and environmental needs
- Helping to inform and direct local and national policy.
- Safeguarding green and other public spaces .
- Assessing planning applications.
- Attracting investment and industry to an area.
- Protecting buildings of historical and architectural merit/importance.
- Ensuring that land suitable for development is readily available.
- Developing programs of land reclamation.

Town planning



- Assessing the effects of proposals on the environment and local community.
- Inspection, monitoring and enforcement action.
- Negotiating and working with professionals such as developers, surveyors and architects.
- Encouraging education and awareness.
- Providing advice on how and when to seek planning permission.
- Undertaking specialist research.
- Advising on issues related to transport traffic and infrastructure.
- Advising on neighborhood planning issues.

We hope to meet in the
next lecture

