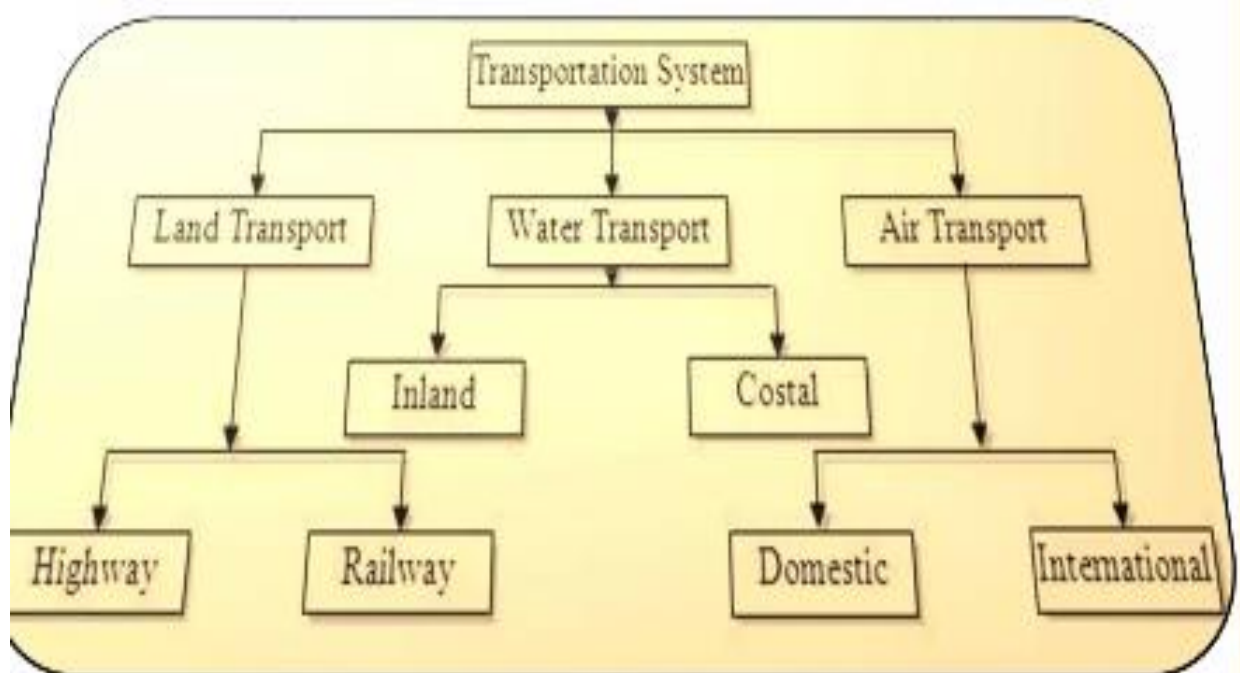


**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**CLASSIFICATION OF TRANSPORT SYSTEM**

- ✓ Transportation is regarded as an index of **economic, social and commercial** progress of a country.
- ✓ An adequate transportation is indispensable for economic and **social progress of nation and the world as a whole.**
- ✓ **Land, water and air** have been used by mankind for developing the transport modes like **Railways, Highways, Waterways.**

**Classification of Transport System**



## 1. Road Transport

- ✓ It is the oldest form of transport.
- ✓ It includes various means such as bullock cart, tempo, auto rickshaws, busses, car etc.



The advantages of road transport are as follows:

- ✓ It facilitates **door-to-door** service
- ✓ Road transport is **highly flexible**. The **route can be changed anytime**.
- ✓ It is **economical for short distance**.
- ✓ There are less overheads and **less cost in terms of maintenance**.
- ✓ It provides personalized service.

## Rail Transport

In India railways are owned and managed by the Central Government



The following are the features of rail transport:

- ✓ It is suitable for bulky goods.
- ✓ It is economical for long distance.
- ✓ There is regularity in the operation of train.
- ✓ There is less pollution, as the train operates on electricity.
- ✓ There is uniformity in rates as the rates are fixed by the government.

## Water Transport

- ✓ India is surrounded by the Bay of Bengal, the Arabian Sea and Indian Ocean. Therefore it has a long coastline.
- ✓ Water transport refers to movement of goods and passengers on waterways.
- ✓ With the help of these means goods and passengers are carried to different places, both within as well as outside the country.



The following are the features of water transport:

- ✓ Water transport plays an important role in international trade.
- ✓ It possesses high load carrying capacity.
- ✓ It is a relatively economical mode of transport for bulky and heavy goods.
- ✓ Water transport does not require any special infrastructure like roads, and airport.
- ✓ Sea transport requires large investment on ships and their maintenance.



## Air Transport

- ✓ Air transport is of recent origin in the development of transport system of a country.
- ✓ Air transport provides the **fastest practical means of transportation**.
- ✓ Indian air transport is one of the fastest developing aviation sectors of the world.



**The following are the features of air transport:**

- ✓ Air transport is the most **modern** and the **quickest** mode of transport.
- ✓ It's **very expensive**, as the operating costs of aeroplanes are high.
- ✓ Air transport provides **comfortable, efficient** and quick transport service
- ✓ Air transport requires **less investment on infrastructure**.
- ✓ Air transport is free from physical barriers.
- ✓ It **plays** a significant role in the **national defence** of the country.
- ✓ Air transport is the **most risky** form of transport because the chances of **accidents** are greater in comparison to other modes of transport