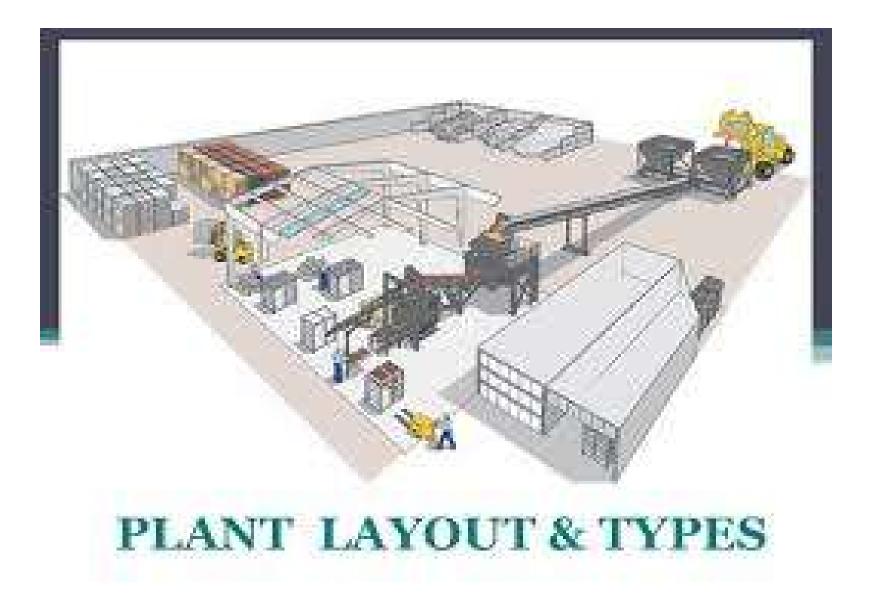
## Lecture 3

## **PLANT LAYOUT**

"Plant layout is defined as a systematic and efficient arrangement of various machines, tools, equipment and other supports services of an industrial organization in such a manner that material will flow smoothly and quickly from start point to end point with less material handling and with minimum time."



## ADVANATAGES OF PLANT LAYOUT

- Reduced men and machine hours per unit of production,
- Effectively and economical utilization of entire floor space of the plant.
- ➤ Work flow is smooth and continuous.
- > Production control is better.
- ➤ Manufacturing time is less.
- > Relatively less floor area is required
- ≻ Material handling is less.

## **PRODUCT LAYOUT**

This layout implies that various operations on raw material are performed in a sequence and the machines are placed along the product flow line, i.e., machines are arranged in the sequence in which the raw material will be operated upon.

