

**312F**

PPT 11

- Introduction
- Approach/ considerations in product design:
  - . Initiation of idea
  - . Data collection
  - . Screening of ideas
  - . Determination of objective
  - . Development of product
  - . Pretesting
  - . Manufacture of prototype
  - . Field test
  - . Finalization of product.

## **Product Design and Development**

- Standardization:
  - . Standard
  - . Purpose
  - . Procedure
  - . Advantages
- Product Simplification & diversification:
  - . Factors concerned
  - . Advantages of simplification

**Product Design and Development**

- Advantages of diversification
- Disadvantages of diversification
- Product Simplification:
  - . Advantages
  - . Disadvantages
- Specialization:
  - . Advantages and disadvantages
- Value Engineering in product design
- Ergonomics in product design

## **Product Design and Development**