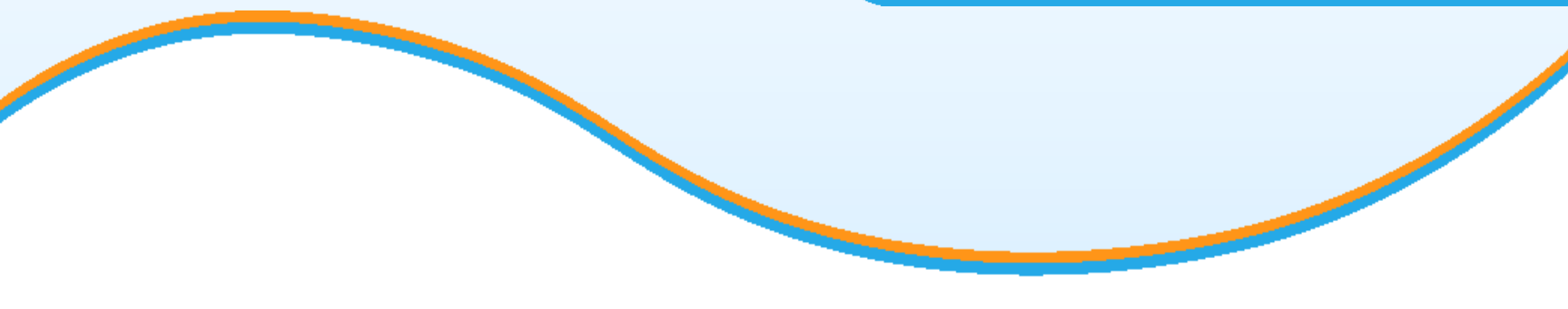


Product Analysis and Development

Prepared by Dr. Aya Mohamed

Lecture 1

ENT 614
Product Analysis

A decorative graphic at the bottom of the slide consisting of two parallel, wavy lines. The top line is orange and the bottom line is blue, both curving across the width of the slide.

Objectives

- • Understanding of complete product development process
- • Understand how to build products with sustainable competitive advantage

Objective

- • Learn to prioritize new product ideas based on business strategic alignment, return on investments and ability to execute.
- • Deliver new product developments on time and how to manage a team (or virtual team) of project resources and multiple business units' stakeholders

Module 1: Product Analysis: Types, Methods, and Examples

Module 2: New Product Development (Part One)

Module 3: New Product Development (Part Two)

Module 1: Product Analysis: Types, Methods, and Examples

Module 2: New Product Development (Part One)

Module 3: New Product Development (Part Two)

Module 4: Product Roadmaps & How to Make Them

Module 5: - Business Model (Part One)

- Product and Brand Strategy (Part Two)

Module 1

Product Analysis: Types, Methods, and Examples

Lecture 1

Dr. Aya Mohamed

- ❑ What is Product Analysis?
- ❑ What Is Product Analysis in Design and Technology?
- ❑ Why Is Product Analysis Necessary?
- ❑ Examining the Difference Between Product Screening and Product Analysis
- ❑ What Is the Difference Between Customer Analysis and Product Analysis?
- ❑ Difference Between Ladle Analysis and Product Analysis

What is product ??

**I want to travel
from one country to
another one**

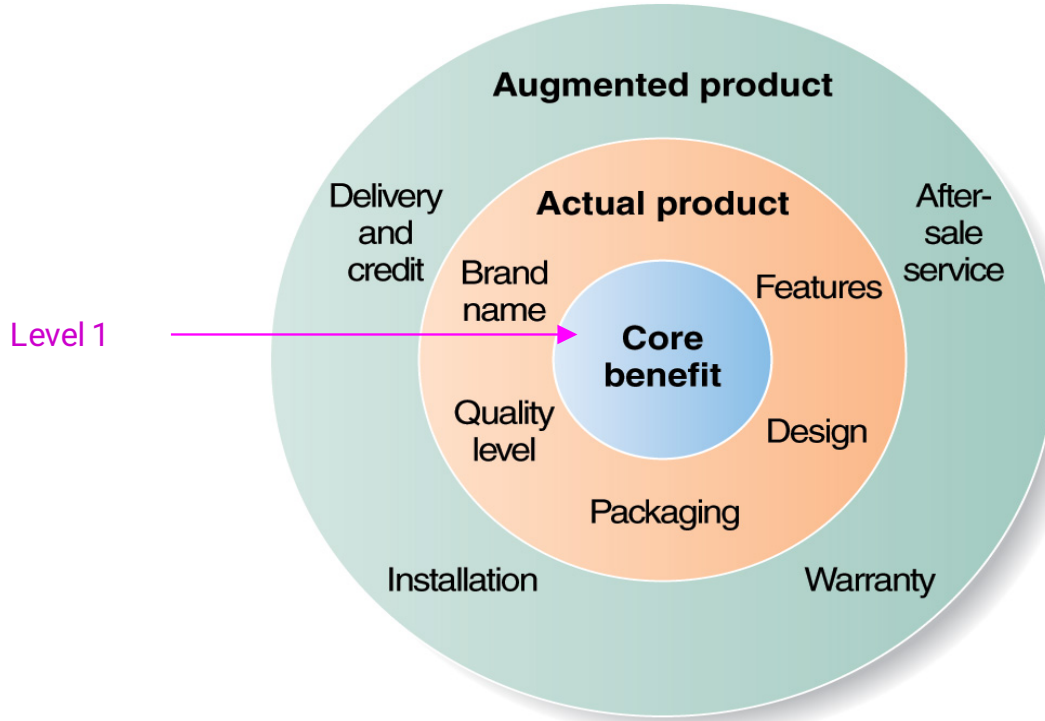


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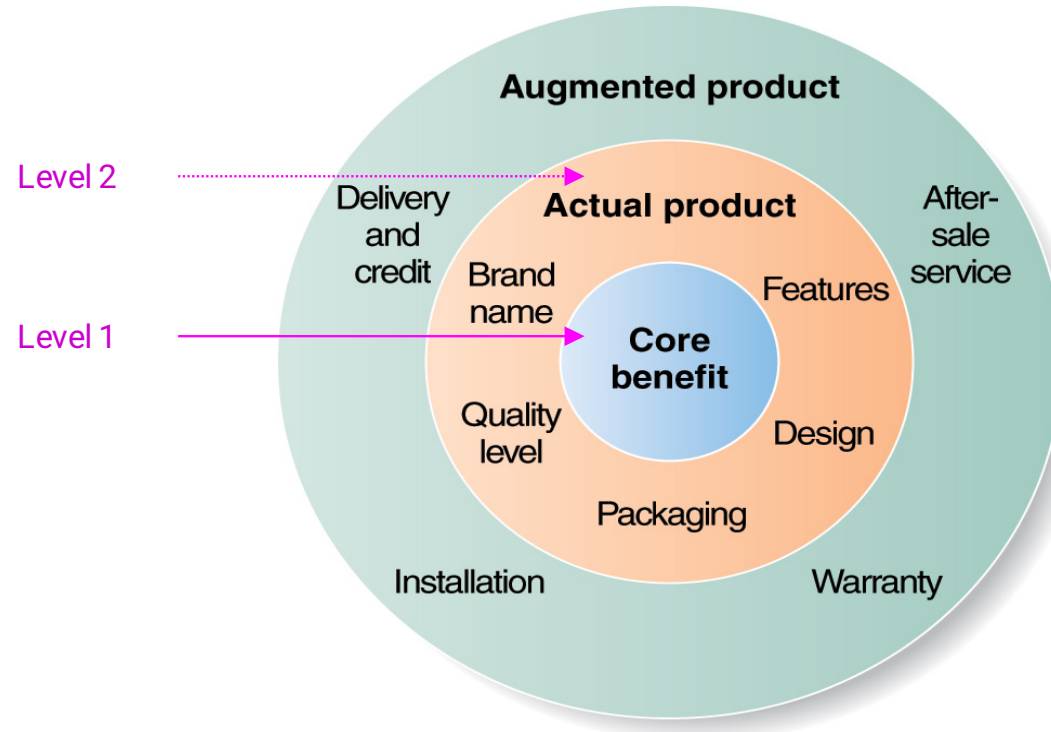
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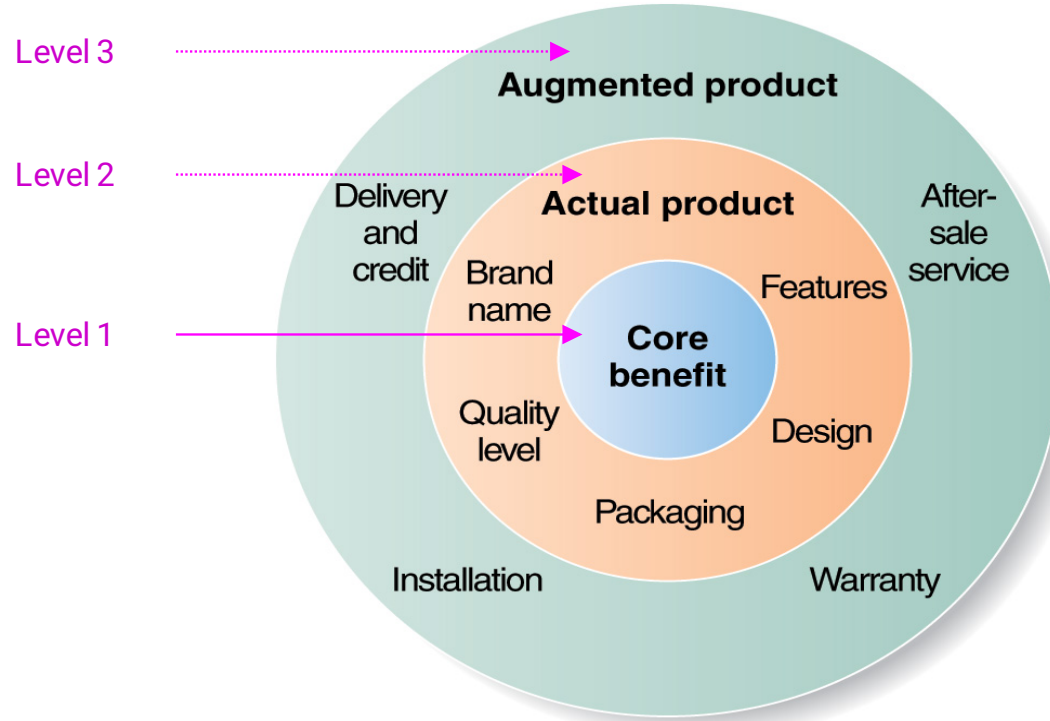
What is product ??



What is product ??



What is product ??



Definition of Product

A product is **the item offered for sale.**

A product can be a **service** or an **item**. It can be physical or in virtual or cyber form.

Every product is made at a **cost**, and each is sold at a **price**.

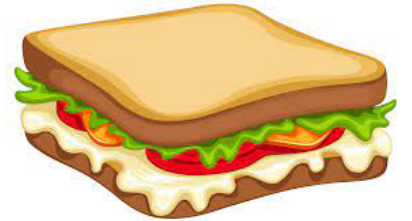
Definition of Product



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The price that can be charged depends on the market, the quality, the marketing and the segment that is targeted.



Characters of Product

- 1- **Relevant**: the users must have an immediate use for it.
- 2- **Function ability** : functionally able to do what it is supposed to and do it with a good quality.



Characters of Product

- 1- **Relevant**: the users must have an immediate use for it.
- 2- **Function ability** : functionally able to do what it is supposed to and do it with a good quality.
- 3- **Easily communicated**: Users and potential users must know why they need to use it, what benefits they can derive from it, and what it does difference it does to their lives.

Advertising and 'brand building' best do this.



Characters of Product

4- **Name**: a name that people remember and relate to. A product with a name becomes a brand. It helps it stand out from the clutter of products and names.

5- **Adaptable**: with trends, time and change in segments, the product should lend itself to adaptation to make it more relevant and maintain its revenue stream.

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Types of Product

Existing Product



New Product



Types of Product

Existing Product



Defining Newness

- New-to-the-Company like Mac coffee
- New-to-the-Market Place like uber introduce into new market

New Product



Question

Are All Products Successful ??

When it comes to making products, there's no room for **guesswork**.

The market is filled with products that somehow surprisingly fit the exact need of the user.



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Are All Products Successful ??

When it comes to making products, there's no room for **guesswork**.

The market is filled with products that somehow surprisingly fit the exact need of the user.

Moreover, most of these do what the company claims, and some thoroughly **fail** their product delivery.

All of this is the result of **Product Analysis**.



Product analysis helps us understand the product down to the End Product.

From manufacturing units to economic costs, utility, services, design, and technology up to its Unique Selling Proposition (USP).





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From manufacturing units to economic costs, utility, services, design, and technology up to its Unique Selling Proposition (USP).

What is the Unique Selling Proposition USP ?

The distinguishing factor that attracts the customers and makes the product or service stand out from the competitors.

It is a unique point associated with the product like a differentiating feature, capability, cost, or some other customer-centric aspect that accounts for its selling potential

What is Product Analysis?

Product analysis is “the process of gathering, defining, and analyzing data about a product or service to make better decisions.”

To create products that fit the needs of your target market, you need to have a clear understanding of what those needs are.

This is where product analysis comes in.

What is Product Analysis?

Through **product analysis**, you can understand the following about a product:

- The product design

- Its component parts

- The costs involved in making the product

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- The costs involved in making the product

- The design of the product

- The product marketing

- Competitive analysis

What is Product Analysis?

Through **product analysis**, you can understand the following about a product:

The product design

How it is made

Its component parts

The manufacturing process

The costs involved in making the product

Its utility and usefulness

The design of the product

The technology used in making the product

The product marketing

Its unique selling proposition

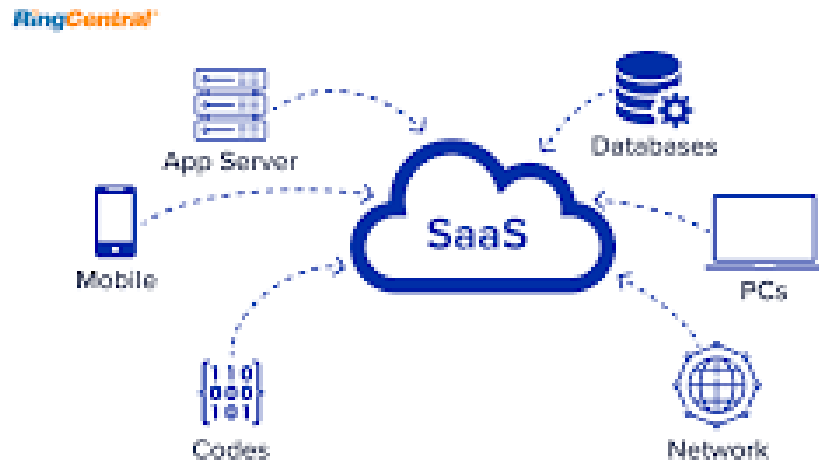
Competitive analysis.

Product analysis is not just limited to physical products, though. It can also be used for services, websites, and even software or SaaS.



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Product analysis aims to understand as much as possible about a product so that informed decisions can be made



Uber



What Is Product Analysis in Design and Technology?

Product analysis is not just limited to **business** and **economic** factors.

It can also be used in the design and technology of products.

A **product designer** uses product analysis to help understand how well the product meets your customers' needs.

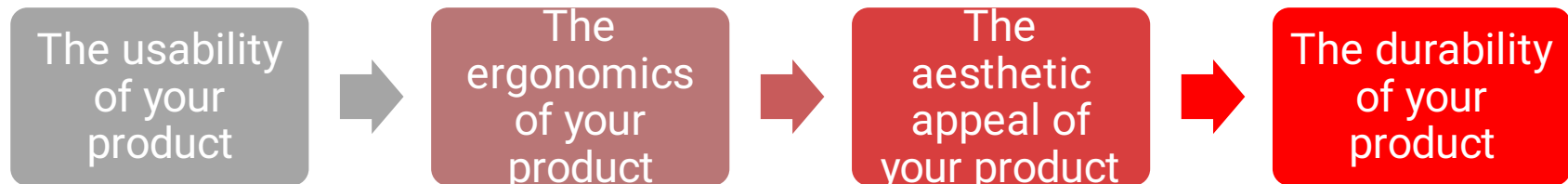
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Product Analysis Evaluate



What Is Product Analysis in Design and Technology?

By understanding these factors, you can make decisions to

1. Advance the user experience
2. Implement the customer's needs
3. Improve your product roadmap.

In technology, product analysis helps you understand **the feasibility of your product.**

Product Analysis used to **ASSESS**

- ☐ How well your product meets customer needs
- ☐ The complexity of your product
- ☐ The cost of manufacturing your product

Product Analysis used to **ASSESS**

- ☐ The time it will take to develop and deploy your product
- ☐ The demand for the features v/s the capacity of your engineering team.
- ☐ The prioritization of certain features over others.

Many different types of analyses can be done on a product.

Each one provides valuable information that can be used to make decisions about the product.

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Each one provides valuable information that can be used to make decisions about the product.

Product analysis is essential because it helps you understand your product and how to make it better when it comes down to it.

“ Without product analysis, you would be flying blind and making decisions based on guesswork.”

- The Definition of the product and its characters
- The Definition of Product Analysis?
- Types of product
- The product analysis assess, WHAT??

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Thank You