Charity Voughese CSE-A ROUND. 34 Blech 88.

PAKT-B

3 PRODUCT LIFE CYCLE

- The manufactured product is introduced in the monket.

 The this stage it will create awarmen and total of the product launched.

Features : Relatively high peize.

· covers les market.

- · More money spend for promotion.

Growlh.

- Peoduits gets into more enstomers.
- Objective to maximize market shore.

Features: · Profit at peak level

- · Mass moatret approach
- · Price decrease.

- Sales continue to rice but more abouty.

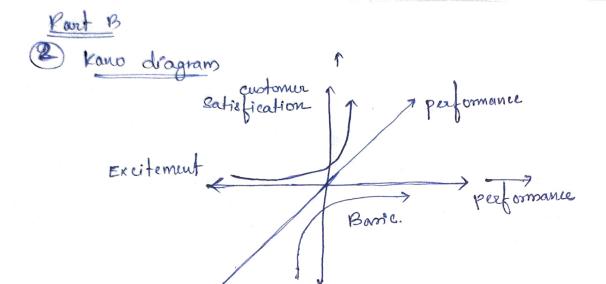
 The objective is to maximize profits defending market

share. Leadures: · Profit gets stable

- · para rodures further.
- · competition as its peak.

Decline

- Heretta soles decline permanently The expenditure begin to equal the parfits or worse.
 - features: · Market is saturated.
 Salus and profit decline.



- We get a "performance" kano diagram.
- If the customer satisfaction is higher their the product an excitement know diagram performance of the product an excitement know diagram is obtained.
- whereas when the peef ormance of the product is higher than the customer satisfaction we get a boose kaw diagram.
- for excitement, the performance of the product is normal in the beginning but at a particular time the demand of response for the product is increased.
- For basic, this customers are not brying the product or else they are not interested on the product.

PARTB

1) Need-metries matrix (Table fan).

| | | | | | | | 1 |
|----------------|--------------|--------|------------|-----|-----------|-------------------|---|
| Need 2 | No. of wings | Ma tov | Capairlo | Low | Prohibite | Spice of well-war | |
| Room Bolins | * | * | A R | | · | * | |
| Safety | | * | j. | * | * | | |
| Portaboility | | * | 宋 | * | * | | |
| Astluties | * | | • | | * | × | |
| Lowcowoumption | | R | A | 2 | | * | |
| Parability | * | A | R B | k & | 朱 | | |

1) There are mainly 3 types of wotomer needs:

functional needs are the most taggible and obinous of the three main types of customer needs. functional needs can be broad or extremely specific, depending on the customer's buying curteria.

for example: A normal poison who wish to start gaming says "I need a gaming phone".

ullike a game will say "I need a Asus Rgg 5".

(ii) Social Needs

A customer need that relates to how a person
wants to be perceived by others when wring a product
or service. while social needs oven't typically enstomer's
primary concern when considering a purchase, they can
influence the devision.

for example: considering? The previous example, the normal person jours the garming society where he sees his friends using high tech gaming phone.

The normal person, will be influenced the normal person, will be influenced will be just a single space.

(ii) Emptional Needs: are similar to social needs, in These type of needs are similar to functional needs. that they're typically secondary to functional needs. It refers to what I how the enformer feel over the product.

for eg! Taking the previous examples, the gamer will be parsionaled towards gaming because of that Perhips of emotional town he wish to buy the Asus Rog 5 phone which is the best gaming phone.

2) Modular Architecture

- The interactions blu churks on well defined and are generally fundamental to the primary functions of the products.

lopes of Modularity

Modular arelistecture mainly contain 3 types:

@ slot - modular architecture. - Each of the interfaces blu churks in a dot-modular architecture is of a different type from the others, so that the various chanks in the period product cannot be interchanged.

- In this, there is a common bous to which, the other Bus modular auhitenture chunks cannot via the same type of interface.

In a sectional modular are hiterture, all interfaces are @ Sectional modular duli future of the same type, but there is no engle eliment to which all the other chunks attach.

Each type embodies a one-to-one mapping from functional elements to chunks and well defined interfaces.

(3) @ when the customer needs and constraints are understood, the industrial disignors helps the team to conceptualize

Dazing the concept generation stage engineers naturally focus their attention upon finding soln. to the

fechnical sub function of the product.

(i) Industrial derignous make simple sketches, known as
thembrail sketches of each concept.

(ii) There alected.

The sketches are fast and inexpensive medium for expressing ideas and evaluating possibilities.

(4) Dergn for Manufacturing (DFM)

production and for time to market for a product, while maintaining an appropriate level of quality.

Dry involves minimizing the number of parts in a product and selecting the appropriate manufacturing procurs.

In product dingo, vue can estimate the manufactuum of work using DFM.

- · Reduce the costs of assembly.
- supporting production. · Reduce the costs of
- counder the impart of DHM decisions on other factors.