**A. What is needed for Maintaining a shop and point of sale**

**(Big Bazaar/Central) in a mall for 5 years**

**Modules used :**

1. Customer Module

2. Discount Module

3. Advertisement Module

4. Vechicle Parking Module

5.Payment Module

6.Department Module

**1. Customer Module:**

**Features**

A) Input

a.Number of customers purchasing in the mall

b.Providing customer id for each customer,to collect customer name, phone number,address.

B) Processing

a.Maintenance of customer details,Name,Phone number,address,number of

items they purchased in that day.

b.Store all details of customers in day wise.

c.Any history processing for reporting particular customers.

C) Output

a.Count the number of items purchsed by each customers.

b.Count number of customers purchased in mall.

**2. Discount Module:**

**Features:**

A) Input

a.Store all customer’s customer ID,name,phone number,address details.

b.Store purchased product ID,product name,cost details.

B) Processing

a.Maintaining all product details in database(eg:product id,name,

cost expiary date,quantity)

b.Store the product id equivalent customer id,who bought that particular product.

C) Output

a.Provide discount or offers for customers based on the number of products they bought.

b.Provide special offers for most visited customers.

**3. Advertisement Module:**

**Features:**

A**)** Input

a.Advertise variety of products, offers through social media.

b.Applications or website for online order.

B) Processing

a.Managing applications or website for communicating with customers.

b.Advertisement of shop and products in social medias (advertise shop name,address,special offers, home delivery charges)

C) Output

a. Through the social media advertisements people can easily known about the shop, products and they can order the products also through online and bought it.

**4. Vechicle Parking Module:**

**Features**

A) Inputs

a.Availability of number of Parking slots for 2-wheeler & 4-wheeler as the pre-requisites

b.Allotting of token when parking a vehicle, to capture Name, Phone number, Vehicle Number plate, parking number, allotted Token, Parking start time

c.Return of token, Parking end time to be made while vehicle leaves the parking

d.Booking of Parking online (within next 2 hours only)

B) Processing

a.Maintenance of Vehicle details, Name, Phone Number, start time, end time, token, parking number details for the Week

b.Push the above details, into history tables every month or semi-monthly

C)Output

a.Online checking for Parking availability on the Store

b.How many vehicles use parking lot and for what time period

c.History reports for looking up, past parking details of people and pattern of vehicles

d.Looking up pattern of Reports on Parking Vehicle across 5 years, as to find the following

**5.Payment Module:**

**Features:**

Input

a.Allocate employee id for each employee works in mall

b.Daily online attendance through the employee id.

c.Store all employee name,address,phone number,their position in mall In database.

Processing

a.Allocate Position and particular departments for each employee.

b.Store all employee details (id,name,phone number,address and which department they under working in mall)

Output

a.Providing salary for each employee based on position becomes easy

b.Calculating working days of each employee in mall by weekwise or monthwise

c.Known about number of employees working in various departments and various positions in mall.

**6.Department Module:**

**Features**

A) Input

a.Allocate department id for each departments in mall.

b.Department names for each departments.

B) Processing

a.Arranging products in department wise (Example:toys,clothing,gardening,cosmetics,houseware,furnitures etc.)

C) Output

a.Customers can easily search and take the things.

b.While products are arranged in section wise,counting and billing becomes easy.