

## Ideation Phase

### Define the Problem Statements

Date	29 September 2022
Team ID	PNT2022TMID37413
Project Name	Smart Fashion Recommender Application
Maximum Marks	2 Marks

### Problem Statement

In E-commerce websites, users need to search for products and navigate across screens to view the product, add them to the cart, and order product. The smart fashion recommender application leverages the use of a chat bot to interact with the users, gather information about their preferences, and recommend suitable products to the users. The roles are customer and admin. The application demands redirection of the user to the appropriate dashboard based on the assigned role. Admin should be able to track the number of different products and admin should be assigned the responsibility to create products with appropriate categories. The user should be able to mention their preferences using interacting with chat bots. The user must receive a notification on order confirmation/failure. The chat bot must gather feedback from the user at the end of order confirmation. The main objective of this application is to provide better interactivity with the user and to reduce navigating pages to find appropriate products.

### DEFINING THE PROBLEM

- In shopping apps navigating to the desired product is very difficult and no proper assistance will be provided. Instead of navigating to several screens for booking products online the user can directly talk to Chatbot regarding the products
- Who does the problem affect? If the desired product is not selected  
The customers who have selected the product • Customers who are dependent on the product for their use.
- What are the boundaries of the problem?  
The product should be good so that the profit will be improved • Want reliable data to

get trained • Over production can also affect the product • Defect in products

➤ What is the issue?

If the software do wrong recommendation desired product will not be suggested.

➤ When does the issue occur?

The desired product will not be selected if • When data is wrong • New products are added • Data sparsity problem • Synonymy problem: if the product is represented by two or more different names.