Project Design Phase-I
Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID07042
Project Name	Smart Fashion Recommender Application
Maximum Marks	2 Marks

S.No.	Parameters	Description
1.	Problem Statement (Problem to be solved)	Recommendation systems have the potential to explore new opportunities for retailers by enabling them to provide customized recommendations to consumers based on information retrieved from the internet by developing a cloud-based application.
2.	Idea / Solution description	• The goal of a recommender system is to provide personalized suggestions to users, based on large volumes of historical feedback, by uncovering hidden dimensions that describe the preferences of users and the properties of the items they consume. • Traditionally, this means training predictive algorithms that can identify (or rank) items that are likely to be clicked On, purchased (or co-purchased), or given a high rating. • In domains like fashion, this can be particularly challenging for a number of reasons: the vocabulary of the items are long tailed and new items are continually being introduced (cold-start); users' preferences and product styles change over time; and more critically, the semantics that determine what is 'fashionable' are incredibly complex.
3.	Novelty / Uniqueness	• Fashion recommendation systems and methods to personalize clothing are also included in this subcategory, in fact, these systems are meant to develop collaborative filtering to predict user preferences online, when data from purchase history are lacking, as well as content-based filtering, to support consumers' decision-making process, improve the customer experience and increase sales. • Thus, in this project, we proposed a personalized Fashion Recommender system that generates recommendations for the user based on an input given. • Unlike the conventional systems that rely on the user's previous purchases and history, this project aims at using an image of a product given as input by the user to generate recommendations.

4.	Social Impact / Customer Satisfaction	• The chatbot can give recommendations to the users based on their interests. • It can promote the best deals and offers on that day. • It will store the customer's details and orders in the database. • The chatbot will send a notification to customers if the order is confirmed.
5.	Business Model (Revenue Model)	• This application is accessible to everyone. It is free. Nowadays the need for online shopping increases. Anyone with basic knowledge can access this application. • This can be used anywhere anytime. The user's information is encrypted. • We maintain this app by automation for saving admin and user time. • We have a FAQ section where the users can clarify their doubts and also a review section and ratings where they can share about the product's quality they bought, which helps the one who are going to buy this.
6.	Scalability of the Solution	• Even though there are many positive reviews about a product, few negative reviews will mislead or make the user to think about of buying that product somewhere. • Additional charges like delivery process or packing fee, which increases the final purchase price, makes the user look for better options.