PROJECT DESIGN PHASE - I PROPOSED SOLUTION

Date	22 September 2022
Team ID	PNT2022TMID54054
Project Name	Smart Fashion Recommender Application
Maximum Marks	2 Marks

SMART FASHION RECOMMENDER APPLICATION			
S.NO.	PARAMETER	DESCRIPTION	
1.	Problem Statement	 In E-commerce websites, users need to search for products and navigate across screens to view the product and order product. A new innovative solution came up through which can directly make online shopping based on the choice of the user without any search. It can be done by using the chatbot which can be achieved by a smart fashion recommender application. 	
2.	Idea / Solution description	 The smart fashion recommender application leverages the use of a chatbot to interact with the users, gather information about their preferences, and recommend suitable products to the users. User can be able to mention their preferences by interacting with chatbot. The user must receive a notification on order confirmation/failure. The chatbot must gather feedback from the user at the end of order confirmation. 	
3.	Novelty / Uniqueness	 Chatbot asks and learns from user preference which recommends appropriate products to the user without making them search through various filters which reduces time and thus increases sales. Instead of searching manually a chatbot will help to find the right product effectively, with this feature user can save time and it is an easy process, chat keep sending a notification about new collections. 	

4.	Social Impact / Customer Satisfaction	 Feedback from the user at the end of the session or after placing an order is one of the most important factors in deriving customer satisfaction and providing better services. The model can recommend products that are more suitable to the customer. Directly do online shopping based on customer choice without any search. It can also save a lot of time. 	
5.	Business Model	 Due to market dynamics and customer preferences, there is a large vocabulary of distinct fashion products, as well as high turnover. This leads to sparse purchase data, which challenges the usage of traditional recommender systems. Better experience and Feasibility. Stores the user data Cluster Cluster Application Chatbot for recommendation of products Watson Assertant	
6.	Scalability of the Solution	 The solution can be made scalable by using micro service architecture provided that each server is responsible for certain functionality of the application. Storing user preferences along with the product in the browser cookie will enable it to provide a response instantly and allows for fetching related products. The scalability can be increased by increasing the number of products and also the accuracy of the product suggestions. 	