Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID41314
Project Name	Smart Fashion Recommender Application
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Recommender systems are a sort of information filtering technology that aims to offer information items that are likely to be of interest to the user. The cold start problem occurs when the system is unable to form any relation between users and items for which it has insufficient data.
2.	Idea / Solution description	Recommender systems provide users with product information and suggestions, which has gradually become an important research tool in e-commerce IT technology, which has attracted a lot of attention of researchers. Collaborative filtering recommendation technology has been the most successful recommendation technology so far, but there are two major problems—recommendation quality and scalability.
3.	Novelty / Uniqueness	Recommender cannot accurately judge item whether the user knows if the user never interacted with it. So it is reasonable to assume the less popular items, the more novel to users[21]. The simplest way to quantify novelty is the average popularity of top–N recommended items.
4.	Social Impact / Customer Satisfaction	By contrast, only accuracy positively affects customer satisfaction when applying traditional recommender systems. These results imply that developers or managers of recommender systems need to identify factors thatsustainable development of e-commerce.
5.	Business Model (Revenue Model)	Recommendation systems are built to predict what users might like, especially when there are lots of choices available. They can explicitly offer those recommendations to users
6.	Scalability of the Solution	In recent years, personalized garment customization has become an important part of garment production and sales. However, the existing MTM technology has complex software operation and requires a high threshold of professional knowledge, which are barriers to meeting the needs of customer-led design