Literature Survey

Team ID	**:**	PNT2022TMID38614
College Name	**:**	Adhiparasakthi Engineering College
Team Leader	**:**	Varshavarthini. R
Team Member	**:**	Pavithra. N
Team Member	**:**	Sangeetha. R
Team Member	**:**	Vidhya. S

1	**Paper title**	Influence of Consumer Decisions by Recommender system in fashion e-commerce website. **Year -** 2022 **Author** - Sruthi K;Sandeep Prabhu
	Problem definition	This project providing deeper insights on influence of recommender systems and various personalized suggestions in Fashion e-commerce websites. It gives information regarding how recommender systems impact the purchasing decision of a consumer to formulate better systems with data.
	Methodology/ Algorithm	A Quantitative Method of approach has been adopted for this study. A preliminary set of five-point Likert-style questions with several subscales was designed and distributed online to a sample.
	Advantages	E-commerce website are crucial in providing real-time product recommendations based on customers past behavior and references.
	Disadvantages	Frequency of choosing a recommended product differ between subject.

2	**Paper title**	CFRS: A Trends-Driven Collaborative Fashion Recommendation System. **Year -** 2019 **Author** - Maria Anastassia Stefani;Vassilios Stefanis;John Garofalakis
	Problem definition	Fashion item recommendation is typically a manual, curated process, where experts recommend items and trends to large populations. However, there is increasing use of automated, personalized recommendation systems, which have valuable applications in e-commerce websites. In this paper, we propose a collaborative fashion recommendation system, called CFRS.
	Methodology/ Algorithm	They propose a new metric, called trend score. Trend score shows how trendy a product is and is calculated taking into account the ratings provided by CFRS users.
	Advantages	Content based approach doesn't require data of other users and has capabilities of recommending items to user with unique taste. It avoids first rater problem.
	Disadvantages	In content based filtering items are limited to their initial descriptions or features.

3.	**Paper title**	Personalized Fashion Recommendation from Personal Social Media Data **Year -** 2021 **Author** - Haitian Zheng;Kefei Wu;Jong-Hwi Park;Wei Zhu;Jiebo Luo
	Problem definition	With the growth of online shopping for fashion products, accurate fashion recommendation has become a critical problem. Meanwhile, social networks provide an open and new data source for personalized fashion analysis.
	Methodology/ Algorithm	In this work, we study the problem of personalized fashion recommendation from social media data, i.e. recommending new outfits to social media users that fit their fashion preferences. They present an item-to-set metric learning framework that learns to compute the similarity between a set of historical fashion items of a user to a new fashion item.
	Advantages	Extensive experiments on the collected dataset show the superior performance of our proposed approach.
	Disadvantages	The trained models inside the system will use this particular users input to produce the desired results.

4	**Paper title**	Smart Clothing Recommendation System with Deep Learning **Year -** 2019 **Author -** Batuhan AŞIROĞLU;Mehmet İlkay ATALAY;Alkan BALKAYA;Erden TÜZÜNKAN;Mustafa Dağtekin;Tolga ENSARİ
	Problem definition	Recommendation systems based on machine learning are very important both customers and sellers in our daily life. Many recommendation systems need user's previous shopping activities and digital footprints to make best recommendation purpose for next item shopping.
	Methodology/ Algorithm	In this study, we develop a cloth recommendation system with using only single photo of user with scalable embedded system. This study lead to important results and give new opportunities for clothing companies and advertisements. In this study, we show that how our system recommends a cloth options without user's previous shopping act data with embedded system and machine learning.
	Advantages	They reach to 98% accuracy on color prediction, 86% accuracy on gender and cloth's pattern predictions and 75% accuracy on clothing recommendation.
	Disadvantages	Inability to capture changes in user behavior.

5.	**Paper title**	An intelligent recommender system for personalized fashion design **Year** - 2020 **Author -** X.zeng ;L. Koehl;L. Wang;Y. Chen
	Problem definition	This paper originally proposes an intelligent recommender system for supporting personalized fashion design.
	Methodology/ Algorithm	Based on two models characterizing relations between human body measurements and human perceptions on human body shapes, we develop the criteria permitting to evaluate a set of new design styles for a specific garment customer and a desired fashion theme.
	Advantages	Outperform traditional ones due to their capability to proceess non-linear data.
	Disadvantages	Complex onboarding process.