**LITERATURE REVIEW**

**INTRODUCTION**

The aim of the project is to build a model capable of doing fashion recommendation by just looking at its image. The model accepts a image and first determines whether the image contains a fashion product or not and recommend it accordingly. The main objective of this work is to:

• Develop a fashion recommendation system which answers the queries related to fashion shopping.

• To identify the fashion type of given input image. • If the given fashion image is valid then similar set of clothing will be recommended.

• Retrieving the similar search query products from different e-commerce websites

**RELATED WORK**

There are some previous works related to building of recommendation systems. Smart Clothing Recommendation System with Deep Learning [1] In order to recommend a cloth, we develop two inceptions based convolutional neural networks as prediction part and one feed forward neural network as recommender. In this study, we reach to 98% accuracy on colour prediction, 86% accuracy on gender and cloth’s pattern predictions and 75% accuracy on clothing recommendation.

**AUTHORS AND THEIR PROPOSAL**

**1. Batuhan Aşiroglu, Mehmet Ilkay Atalay, Alkan Balkaya,**

**Erden Tu Zu Nkan, Mustafa Da Gtekin, Tolga Ensar**

Smart Clothing Recommendation System with Deep

Learning, 2019 3rd International Symposium on

Multidisciplinary Studies and Innovative Technologies

(ISMSIT)

**2. Yong-Goo Shin, Yoon-Jae Yeo, Min-Cheol Sagong, Seo-**

**Won Ji, and Sung-Jea Ko**

In this paper authours developed the System with Style Feature Decommposition, 2019 IEEE 9thInternational Conference on Consumer Electronics (ICCE-Berlin)

**3.** **Kaiming He, Xiangyu Zhang, Shaoqing Ren, Jian Sun**

In this paper authours developed to Identify Mapping in Deep Residul Network, 2016 Cornell University.

**INFERENCE OF LITERATURE SURVEY**

The literature review of the papers that were referenced and those that serve as base paper and supporting paper helped to narrow down the main challenges that the proposed application might face. Also, it has served as a guide for the development of the application in the right way, using the necessary tools.