SMART

FASHION RECOMMENDER APPLICATION PROPOSED SYSTEM

Date	11 October 2022
Team ID	PNT2022TMID45907
Project Name	Smart fashion Recommender Application
Maximum Marks	4 Marks

In this Image processing is the practise of manipulating digital photographs using computer algorithms. Image processing's primary objective is to enhance image pixels and refine image data by removing distorted noise. The following procedures are used to pre-process the image:

The user-provided image is read, resized, and segmented as follows:

- Read: The user-provided image is taken as the input and stored in a temporary folder on the server.
- Segmentation: In this stage the saved image is converted from RGB to BGV to aid in better extraction of features.
- Flatten: In this step, the image's 2D matrix is transformed into a vector after being pre-processed and saved.

The system is given a pool of clothing pieces, and it can then create several outfits and feed them into an outfit classifier to determine the outcome.

The hardware, software, and network environment of the structure are all defined by the system architecture. Because the system will be web-based, users must run the URL in order to use it. Both vertically and horizontally are supported by the system.