PROBLEM STATEMENT

The challenges for the existing system includes,

(i). How to extract and represent clothing features from the fashion model in dynamic and complex scene? For most fashion multimedia gained from the virtual space are not standard, refined capture of fashion model in videos is hard, and the color tone of clothing is often interfered by background color.

(ii). How to develop a proper fashion multimedia mining method? A more efficient structure is needed for fashion multimedia mining in the virtual space, which considers the fore mentioned features of fashion multimedia.

(iii). How to create a proper recommender to associate the personal demand and characters with fashion matching features gained from the virtual space?

The system framework highlights on the following features,

In the system, the fashion features in web mass information are enhanced after processing of evolution hierarchical filter and fashion factors analysis. Available clothing matchings and their feature index are input to our fashion library, which called Cool Change. Then the recommender can give a personalized wardrobe to the client according to her/his personality. Evolution hierarchical filter model reduces the noise among fashion information got from the virtual space, which helps increase efficiency of fashion features analysis. Multimedia analysis model focuses on clothing features capture, and it solves the dilemma that refined contour extraction of fashion model in dynamic and complex scene. The clothing features are represented in color tone of clothing, color of skin and branding taste. Furthermore, clothing are classified in Cool Change based on these features.