

Panda Mall

Project Proposal

**Project Advisor:**

Mr. Razi-uddin

**Group Members:**

Asjad Iftikhar 18L-0951

Muhammad Zain 18L-1109

Tayyab Waseem 18L-1017

National University Of Computer and Emerging Sciences

Department of Computer Science

Lahore, Pakistan

# Abstract

Fill in text here for abstract. Notice the formatting; we are following font “Times New Roman” and default formatting provided for Headings by MS Word i.e. all the headings 1 to 6 in this document follow “Heading 1” formatting. If you need sub-headings in future, you will use hierarchy of Heading 2 and Heading 3 and so on. Line spacing throughout this document is 1.5 and font in paragraph is of 12 points. Text in paragraphs and references is justified aligned. This formatting is to make the document readable.

# Introduction

Give the introduction of your project here. Suppose this is sample text for introduction and we need one more paragraph. A blank line, but no indentation, is used between paragraphs. For example, we are going to start new paragraph.

This is sample paragraph. Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularized in the 1960s with the release of Letterset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

# Goals and Objectives

Write the goals and objective here. You can put them in the form of a numbered list. For example, objectives of this document are as follows:

* To follow standard format by all FYPs
* To avoid Unsatisfactory status for Deliverable I submission
* Objective number 3
* Sample Objective number 4

# Scope of the Project

Clearly specify the scope of your project here.

# Initial Study and Work Done so Far

In the past few years due to growth in online clothing stores few personalized clothing recommendation systems have been produced by implementing several different algorithms. Hu et al. [1] researched on personalized clothing recommendation systems. He presented a functional tensor factorization approach to describe user-item and item-item interaction. Nogueira et al. [2] proposed a new collaborative filtering algorithm for better accuracy in clothing recommendation systems. After a lot of research, we have inclined towards collaborative filtering method for our recommendation system as we have found it more effective and accurate in these types of recommendation systems. Landia in [2] explains challenges faced during construction of fashion recommendation system. He has organized challenges into two categories namely retailer related and customer related. The prior consists of short lifetime of items and high volume of items, whereas seasonality and rapidly changing customer preferences make up some of the customer related challenges. Majority of the recommendation systems deal with products from a single clothing store unlike our system which will deal with different type of clothes from different clothing stores.

# References

1. Y. Hu, X. Yi, and L. S. Davis, “Collaborative fashion recommendation: A functional tensor factorization approach,” in Proceedings of the 23rd Annual ACM Conference on Multimedia Conference, 2015.
2. E. A. Nogueira, E. V. De Melo, E. R. De Faria, and D. Guliato, “IKB-MS: A collaborative filtering approach associated with human visual attention for clothing recommendation,” in Proceedings of the 21st Brazilian Symposium on Multimedia and the Web, WebMedia 2015, pp. 149-156, October 2015.
3. N. Landia, “Building Fashion Recommendation System”, *dressipi.com*, Apr. 19, 2018. [Online]. Available: <https://dressipi.com/blog/building-fashion-recommendation-systems/>. [Accessed Sept. 27, 2021].