

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

With the recent COVID-19 situation and lock downs around the globe, the shopping mode has also changed. The number of online fashion stores has increased which has enhanced the competition among them. Recommendation system is an e-commerce tool, which helps consumers search based on knowledge that is related to a consumer’s choices and preferences [1]. The primary objective of this project is:

* To design a user-friendly website that helps in recommending the best clothing item for the user.
* To provide a platform where items of multiple stores are listed and recommend the one of buyer’s interest.
* To use recommendation systems such as collaborative filtering and produce efficient and effective recommendations.
* To recognize correspondence between the user ratings and response to improve results.
* To maintain the user profile and improve the future recommendations.

# Scope of the Project

This project will consist of creating an e-commerce website for the fashion stores. User can register on the website. With the account user can search a clothing item of his/her interest. The items can be filtered with the various options size, color and preferred store etc. Items displayed on the result query will filter through the options and by using Machine learning algorithm it will filter the best recommended product for the user. On the selection of the product the link will be redirected to the original store website. On the purchase of that product user will be reminded to fill out the response and rate the purchase made. The algorithm takes into account the user history and preferences based on the search and response results. Moreover products of limited stores will be displayed but an option will be provided for the stores to register their store through a specific criteria.

# Initial Study and Work Done so Far

Write about the work done that you have done so far in this section

# References

1. Schafer, J.B.; Konstan, J.; Riedl, J. (Eds.) Recommender Systems in E-Commerce. In Proceedings of the ACM Conference on Electronic Commerce, Denver, CO, USA, 3–5 November 1999; ACM Press: New York, NY, USA, 1999.