

6COSC006W – Final Year Project Report

Ethical Wear

an Online Multi-Agent Shopping System in Apparel & Textiles for
Recyclable fabrics through Sustainable Development

Student: Zehana Arfan (2018380 / w1742044)

Supervisor: Mrs. Kalpana Weerasinghe

This report is submitted in partial fulfillment of the
requirements for the
BSc (Hons) in Business Information Systems degree
at the University of Westminster.

School of Computing & Engineering

University of Westminster

Date - 5th May 2022

Abstract

The world environment is hugely impacted by waste issues. Mostly with regards to cloth wastes issues in apparel and textile industry there are massive cloth landfills around the world.

Hence this an appraisal on a project about an online multi-agent shopping system in Sri Lankan apparel and textiles for recyclable fabrics through sustainable development, this project will provide a detailed understanding of the product that was built, the apparel and textile industry and its progression behavior.

The key factors that will be considered within the project scope, both local and global systems in the apparel and textile industry, and the essential topics in this research will be recyclable textiles, ethical production, and sustainable development, which is the emphasis of this entire report.

The research study of sustainable clothing development gives useful information on consumers' attitudes toward fashion sustainability. The results of the review were given in four complete topics based on the category of sustainable fashion, which included collaborative fashion, eco-friendly fashion, ethical fashion, and recycled/upcycled fashion, all of which were presented at the same time.

All characteristics of sustainable fashion are considered collectively to develop such solution to minimize issues in the selected domain and garment businesses as one approach to respect the world and value what we currently have.

Despite the fact that sustainable fashion is becoming more widely recognized, not everyone or every garment is able to adopt to ethical production. Therefore an education in this knowledge area is required and apparel consumers should more focus on purchasing environmental friendly products where all of the garments has several varieties product specified in both recyclable and non-recyclable fabric type cloths.

There are many options for apparel consumers to obtain a fashion choice that is environmentally friendly, so there is no excuse for not following this clean and ethical fashion trend where the proposed solution by this project will give more freedom to customers behave within the ethical recyclable cloths framework. It is clear that sustainable clothing has the potential to transform the entire fashion industry into a positive movement.

Keywords:- Ethical production, Cloth wastes, Landfills, Recycling technology, Sustainable development, Apparel and textiles, Garment businesses, Manufacturing process, Going green concept, Organic fabrics, Recyclable materials, Environmental friendly, E commerce, Online cloth store, Multi agent shopping system