

Designing in Conjunction with Zero Waste Garment Construction

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ABSTRACT

The textile and fashion industry are responsible for being one of the most polluting industries. The wastage is not only there is the production process but also consumption of textiles produces waste. This paper aims to document a collection made entirely by post cutting wastage of fabrics. This is an initiative to reduce textile waste by incorporating the concept of Zero Waste Garment Construction.

KEYWORDS: Zero Waste; Textile Wastage; Garment Construction

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INTRODUCTION

Zero waste garment construction is a sustainable way of manufacturing garments. This is an initiative to reduce textile waste by incorporating the concept of Zero Waste Garment Construction. The whole process of designing the collection is discussed in this paper. The various steps are collection of textile waste, sorting and cutting, designing of fabric, illustration, marking and cutting, stitching, etc.

Aims & Objectives

The aims and objectives of the study are as follows:

- Collection of post garment construction cutting wastes from local tailors.
- Designing of garments by manual illustration using the printed fabric waste collected.
- Construction of a range of garments using fabric scraps.

Methodology

The process of designing the collection is as follows:



Raw Materials

- Fabric scraps
- Sewing thread
- Hook-n-eye
- Lace

Illustration



Figure 1

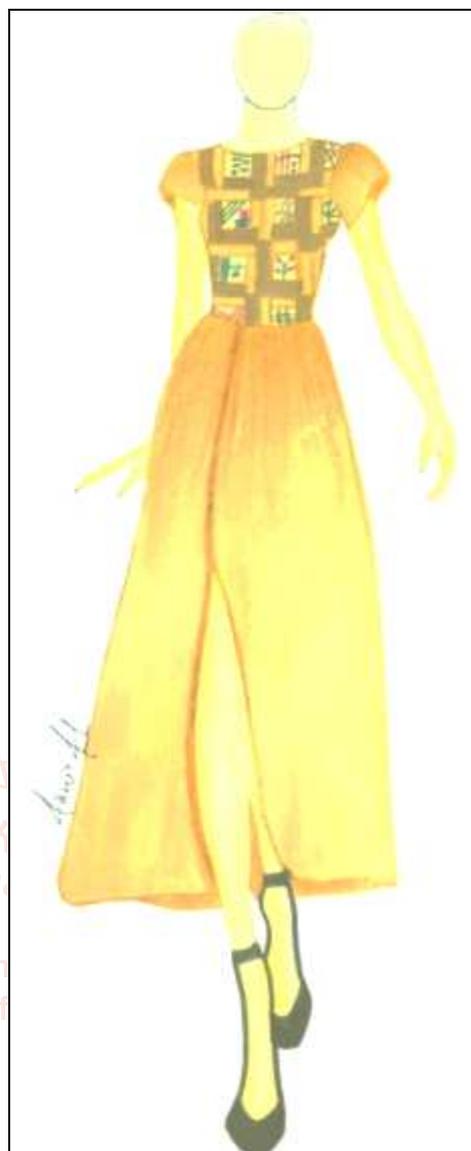


Figure 3

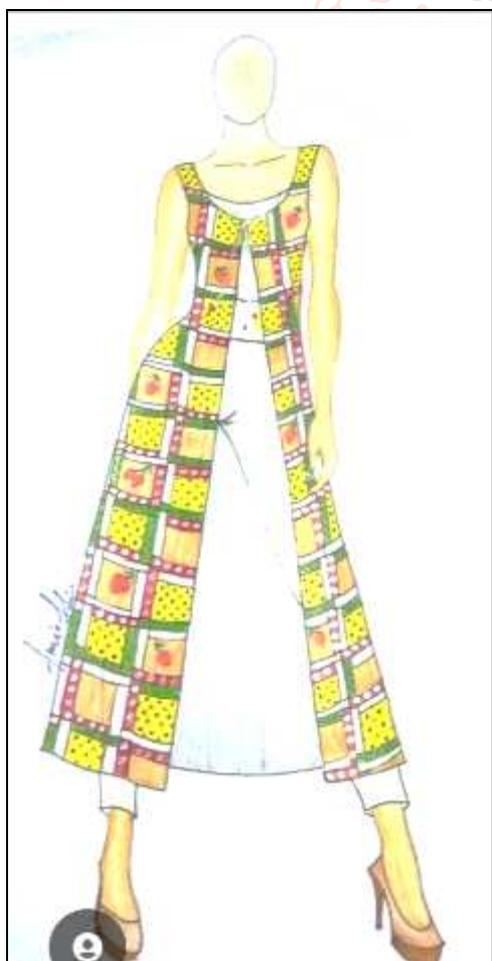


Figure 2

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Final Designed Garments



Figure 4



Figure 5

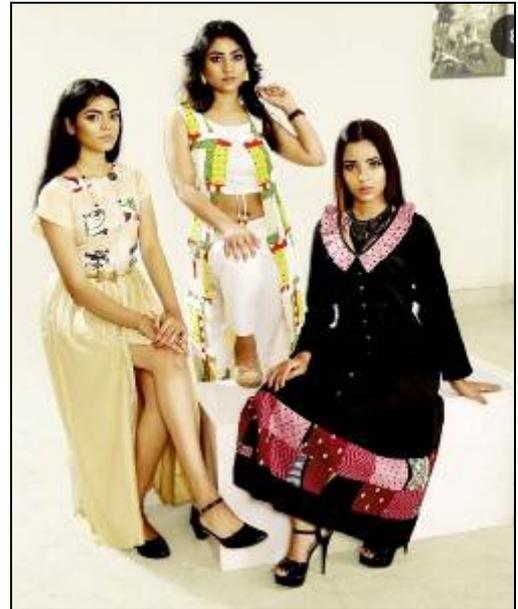


Figure 7



Figure 6

Conclusion

The collection was made entirely out of fabric scraps. This technique could be employed for large scale productions as well. Through this method of garment designing the wastage will be minimum and it will help to reduce textile wastage.

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