



# RESEARCH ON DEVELOPING OF ADJUSTABLE GARMENT AND ANALYSING ITS COMFORT FIT

JANANI.M under the guidance of MRS. JEEVITHA (MSC.AFD)

## ABSTRACT:

This research is to create different styles of adaptable robe for the common people. Adjustable garments are available in the market only for pregnant ladies, as their body changes each month. Therefore, the dress is not comfortable for all peoples and if it is, they have to give for Alterations to tailor shop or remove stitches. Even if give it to the tailor and make alterations, it is not comfortable for everyone. When the size increases, we have to divide our stitches. The fabric is damaged when the stitching is separated. it makes a holes. To solve this problem survey had been taken and according to that have designed a dress with comfy fit. In this project have created a bunch of garments which can be worn by two different sized people. When the size changes according to person silhouette also varies. The cotton fabrics are naturally dyed, so the garments are sustainable and bio degradable.

**KEY WORDS:** Adaptable robe, Comfy fit, Natural dye, Different silhouette.

## INTRODUCTION:

This project is to create adjustable garments for women. Now a days more ruffled, flexible and loose fitting garments are available only for Pregnant women. As the standard sizes are not completely fitting size for everyone. So, this adjustable garment can be worn by anyone with any kind of body shape. This garment can be adjusted by using pull threads, not only at waist but also at sleeves. Natural dyes are used to make the garment sustainable garments.

## METHODOLOGY:

In this project cotton fabric is used which is natural fibre and it will not flexible fabric so preferred adjustable wear in cotton fabric.

**EXTRACTION OF NATURAL DYES:** In this project used natural dyes for sustainable purpose. I taken red cabbage for purple colour, turmeric for yellow colour, orange and carrot powder for orange colour, coffee for brown colour, these are used for dye extraction. Then grind it separately and take a liquid remove the waste contents to make a dyes.

**DYEING PROCESS:** First take a bowl according to fabric size, then pour a water. keep a flame sim and put a extraction. Then vinegar and salt is used for withstand colour on fabric. Next process is to dry the fabric in sunlight. Then iron the fabric neatly.

STITCHING PROCESS: Cut the fabric according to the garments style like Blouse, casual maxi, kameez, jumpsuit cutting process had been done. Then stitching process also done using fastness like elastic, threads for adjusting a garments.

#### CONCLUSION:

Hence, In this project is solved many problems for women's and innovated a new designs with natural dyed cotton fabric. When the size is adjusted silhouette varies according to the wearer with comfort fit.

#### REFERENCE:

- [1] Jianxing Zhang, Clothing ergonomics design, China Light Industry Press, Beijing.2014.4
- [2] Yanmei Li, Research on Maternity Dress Design[Master thesis], Hangzhou: Hangzhou Institute of Engineering, 2002
- [3] Xiao Lv, Functional Maternity Dress Design [Master Thesis], Zhejiang University, 2007.5
- [4] Shuiqing Zhao, Zhiming Wu, Discussion on the Choice of Maternity Dress[J], Jiangnan University of Wu Xi, 2008
- [5] Miao Wen, Design Relationship between Pregnant Women's Shape and Maternity Dress Structure[J].Guangdong Industrial University of Guangzhou, 2008.8.

