

TITLE: REUSE OF DENIM WITH TIE AND DYE.

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Abstract-*The document is related to the study of Designing garments from old denim wear with the use of traditional tie and dye. A project work conducted by the polytechnic students of Bharuch, Gujarat on "Reuse of denim with Tie and Dye". The designs were developed after gathering the preferences of different fabrics combining with denim. Most of the denim fabric was collected by the students from old denim wears. On the basis of the preferences gathered from the judges through questionnaire method, five designs were selected for developing the Garments. The objective of the study was to identify the best of fabric with denim and reuse denim for further use. This study is also about, exploring ways to connect different fabric material and working with the limitations.*

Keywords- *Denim, Tie, dye, Garments, Reuse.*

I. INTRODUCTION

Denim has been a classic wear in the form of jeans, dungaree, pants, shorts, shirts, jackets and skirts. Even accessories like denim shoes, belts, bags and jewellery are also designed today. Denim fabric is also being incorporated in home furnishings. But the reuse of denim with the traditional tie and dye fabric named bandhani is an innovative attempt to give a new stylish look to the garments. Today's advancing technology showed its side effects causing environmental and social hazards by the use of artificial dyes for dyeing denims to give the look of classical indigo blue dyed effects, and the finishing processes thus resulting to Environmental Pollution a major issue in today's life. As the government, environmentalists and activists continue to look for sustainable solutions, the younger ones are joining the cleanliness revolution. The wealth out of waste concept, reuse, renew and recycle has slowly been gaining attraction in the states, with many choosing to use waste items to create art, jewellery, clothing or ordinary household items. And it's not just eco-friendly, but also a great artistic outlet and economic. It's sometimes a hard concept for people as they love to hold on to what they have, even if they don't wear the clothes with a longer life span. By dismantling old worn out garments you create lots of new that is trending in fashion or set your own style and reuse the same till fad.

II. LITERATURE REVIEW

Denim is a sturdy cotton warp-faced textile in which the weft passes under two or more warp threads. This twill weaving produces a diagonal ribbing that distinguishes it from cotton duck. The most common denim is indigo denim, in which the warp thread is dyed, while the weft thread is left white. As a result of the warp-faced twill weaving, one side is dominated by the white threads. This causes blue jeans to be white on the inside. The name denim is derived from French "Serge de Nimes" meaning sturdy fabric initially made in Nimes, France, hence "de Nimes"- "Denim". Denim has been used in the United States since mid-19th century. Denim gained popularity in 1873 when Jacob W. Davis, a tailor from Nevada, manufactured clothes for labourers in the form of rivet – reinforced denim pants. Later on Levis Strauss & Co. mass produced denim garments in San Francisco. Bandhani is a type of tie and dye textile decorated by plucking the cloth with the finger nails in too many tiny bindings that form a figurative design. The term bandhani is derived from the Sanskrit verbal root bandh "to bind, to tie". Today most bandhani making centers are in Gujarat, Rajasthan, sindh, Punjab region and in Tamilnadu. It is also called as Bandhej, Bandhni, piliya, and chungidi in Tamil and regional dialects. The name of the bandhani depends on the manner of tying the cloth. This work was started in India by the Muslim khatri community of Gujarat. In India Tie and dye started in some 5000 years ago in the Indian states of Rajasthan and Gujarat. Earliest evidence of bandhani dates back to Indus valley civilization where dyeing was done as early as 4000 B.C. The earliest example of the most pervasive type of bandhani dots can be seen in the 6th century paintings on the walls of Ajanta caves depicting the life of Buddha.

III. SIGNIFICANCE OF THE STUDY

Denim is a long lasting fabric. When the garments get out fashioned or out sized it is disposed away or converted in to garments that can be still worn in fashion. Such situations can be handled by such eco friendly projects. The handmade bandhani is a costly fabric when compared to printed bandhani. The tying of fabric and dyeing in more than one color is time consuming method when compared to other surface embellishment. Hence we can cautiously use the traditional art and culture by fusing with denim to give a new traditional look to old denim garments. Thus we reuse, recycle and renew the denim in eco friendly way.

IV. Material used for preparing the garments

Left over fabric of denim and bandhani, torn or old denim wear like jeans, skirts and jackets.

V. METHODOLOGY

The method undertaken for the study has been divided in to six parts each, dealing specifically with one or more of its objectives.

- 1) Selection of the fabric to be reused with denim.
- 2) Selection of Tie and dye fabric.
- 3) Designing of several garments with denim and Tie and dye fabric.
- 4) Selection of the best preferred design through questionnaire.
- 5) Construction of the selected designs.
- 6) Evaluating the constructed garments from the opinion obtained by consumers with regard to appearance, feasibility of design in to garment and marketability of the garment. The reason for selecting a specific design was obtained through questionnaire.

SELECTION OF THE FABRIC TO BE REUSED WITH DENIM.

The first and the foremost step to conduct research were to find out which traditional fabric would best suit for the study. Hence different traditional textile samples of Gujarat were collected that could be used along with denim. The best suited samples were selected for the study by the opinion gathered through questionnaire method.

SELECTION OF TIE AND DYE FABRIC

Selection of tie and dye fabric was done on the bases of different style of tying. Among which the easily available style of tying with moong dal was preferred.

DESIGNING OF SEVERAL GARMENTS WITH DENIM AND TIE AND DYE FABRIC

New designs were created for skirts, dungarees and jackets which incorporated denim and tie dye fabrics. Ideas were taken from magazines, market survey, Institute like NIFD. 30 designs were sketched for each garment.

SELECTION OF THE BEST PREFERRED DESIGN THROUGH A QUESTIONNAIRE

A questionnaire was framed to select the best preferred design. At random 25 home scientist and 25 teenagers were requested to fill the questionnaire. Among the 30 designed garments the first five garments were selected according to highest Rank order for the study.

CONSTRUCTION OF THE SELECTED DESIGNS

To construct the selected designs, the old garments were gathered from neighborhood collection, through clothes donation camp in the college and then cut in to desired shape as per the design.



Figure-1 SKIRT



Figure-2 DUNGAREE



Figure-3 JACKET



Figure-4 UNEVEN HEM JACKET

VI. Result

The best garments that scored high with respect to appearance, feasibility of design in to garment, Overall appearance and marketability of the design.

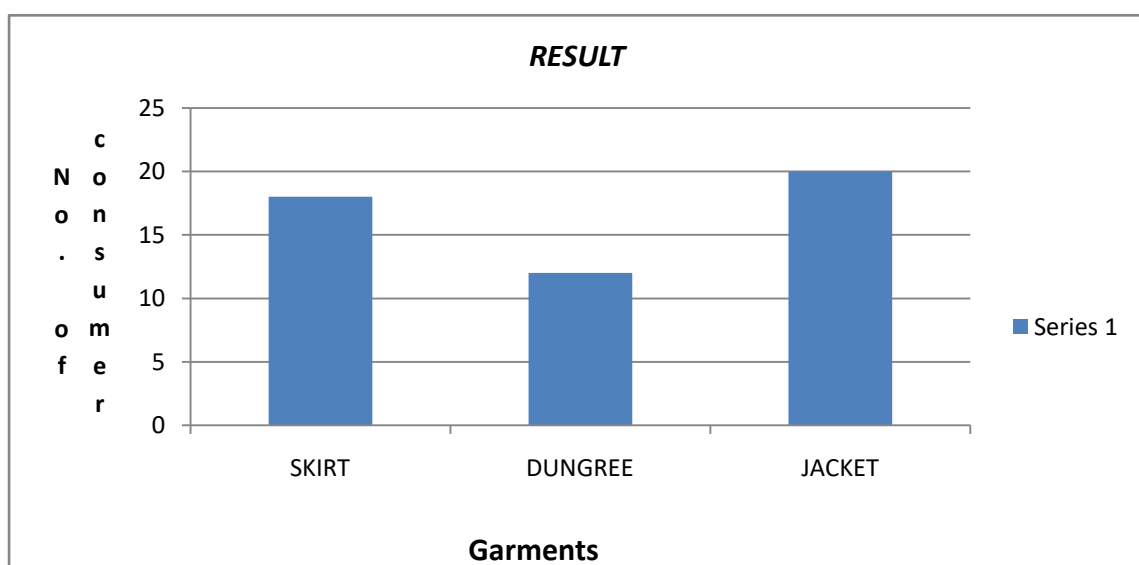


Figure 5- Best Garment preference from reused denim clothes.

VII. Conclusion

The study conducted on Designing garments from old denim wear with the use of traditional tie and dye-"Reuse of denim with Tie and Dye", a creative project to promote the Reuse of old denim wear with traditional fabric. 80% People preferred the concept of using a long life span fabric such as denim with bandhani as combination fabric. The designs styles in skirt, dungaree and jacket provided the scope for good creativity and marketability. The study served the purpose of reusing the old garments in to wearable, fashionable garments. The future success of denim lies in such innovative projects..

VIII. REFERENCES

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