



“DESIGN AND DEVELOPMENT OF LADIES TOPS WITH FABRIC MANIPULATION OF HONEYCOMB STITCH SMOCKING TEXTURE ON NECKLINE AND SLEEVES USING OLD SYNTHETIC SAREE BY HEAT PRESS”

Veena B P,

Research scholar

Ramaiah University of applied science

ABSTRACT

Ladies short tops are a segment of garments worn on top of the body and can be used with various types of skirts, trousers, jeans, leggings etc. With the availability of various types of fabrics, fast fashion has become trend in nowadays. Ladies are exposed to numerous ways of shopping through direct shopping and internet shopping.

The aim of this project is to popularize the reuse of old garments such as synthetic saree. 4 different forms of honey comb stitch smocking effects are given to synthetic saree by heat press and used at neckline and sleeves. Creating tops with old synthetic saree by adding an extra element of honey comb smocking texture by heat press process at neckline and sleeves to make them popular among young ladies.

The creation of different forms of honey comb smocking textures by heat press can be carried out the women staying at home providing them with employment.

Survey is carried out to know the acceptance of the designed products. 95% of respondents appreciated the attempt and accepted the ladies tops with honey comb smocking textures at neckline and sleeves.

The data collected was analysed from the questionnaires. The products were well accepted by the respondents for the selection of old synthetic saree, element of honey comb smocking textures and overall appearance.

INTRODUCTION

A top is an item of clothing that covers at least the chest, but which usually covers most of the upper human body between the neck and the waist line. The bottom of the tops can be as short as mid torso, or long as mid thigh. Ladies tops are generally paired with pants, skirts, jeans, leggings etc. Embellishment is a decorative detail that adds value to the structure and makes a fabric better than what is already. Surface embellishing can be done on the material with embroidery, applique work, patch work, quilting etc. Different forms of honey comb texture by heat treatment is done for a synthetic saree and used at neckline and sleeves of ladies short tops. Honey comb smocking texture effects are designed and used in both ways for embellishment as well as centre of attraction to get desired idea of reusing the old synthetic saree.

The purpose of this study is to popularize the reuse of old synthetic saree. In the advent of technology and advancement of fabric science people are exposed to new fashion and are disposing a lot of garments after few uses which leads to landfills. By giving different forms of honey comb smocking texture for old synthetic saree and using at neckline and sleeves of ladies tops we can give a new look for the old unused synthetic saree and ladies can wear these with skirts, pants, jeans, leggings etc. The aim of this project is to encourage reuse of old synthetic saree and reduce the waste generations. This can also provide employment to women at home by making the honey comb smocking texture for the synthetic saree by heat press encourage them to start cottage industry for creating unique ladies short tops.

METHODOLOGY

AIM

Design and development of ladies tops with fabric manipulation of honeycomb stitch smocking texture on neckline and sleeves using old synthetic saree by using heat press.

OBJECTIVE

- To Design and develop ladies tops by applying the honeycomb stitch smocking textures on different places of ladies tops.
- To develop different types of honeycomb stitch smocking textures on synthetic fabric by using heat press.
- To recycle old saree and dupattas.
- To do acceptance study.

SCOPE

The present study is conducted on fabric manipulation of honeycomb stitch smocking textures. The aim of this project is to reuse the old synthetic saree by adding fabric manipulation techniques to popularize the reuse of old synthetic saree and to reduce the waste generations out of disposing of the old synthetic saree and dupattas so to reduce the landfills. This can also provide employment to women at home by making different types of honeycomb stitch smocking texture out of old synthetic saree and designing ladies tops to encourage them to start cottage industry for creating unique fabric manipulation techniques such as honeycomb stitch smocking texture on neckline and sleeves on old synthetic saree by using heat press.

OBJECTIVE

- To develop different types of honeycomb stitch smocking textures on old synthetic fabric by using heat pressing.
- To Design and develop ladies tops by applying fabric manipulation of honeycomb stitch smocking textures at necklines and sleeves of ladies tops.
- To recycle old synthetic saree and dupattas.
- To Do acceptance study
- **Phase 1 Collection of information**
- The Survey is carried out to know the available products in online market for the ladies tops with fabric manipulation techniques such as honeycomb stitch smocking textures on synthetic saree by heat press and evaluated the acceptance through questionnaires as tool. The secondary data was collected from research articles, journals, and internet.
- **Phase 2 Designing and constructing**
- Selection of honey comb stitch smocking texture.
- Developing honey comb stitch smocking texture on one side of synthetic saree.
- Preparing paper pattern of ladies tops.
- Cut the left out synthetic saree into one meter each.
- Layout the paper pattern on the plays of synthetic saree.
- Cut the synthetic saree according to layout.
- Cut the honey comb stitch smocked texture of synthetic saree for neckline designs and sleeves.
- Attach the cut honeycomb stitch smocked textured neckline design on the neckline of the ladies top .
- Finish the neckline finishing of front part and back part.
- Attach the shoulders of front part and back part.
- Attach the designed honeycomb stitched smocking textured sleeves part to the armhole of the ladies top.
- Attack the side seams.
- Finish the bottom folding.
- Finally press the ready ladies top.

According to the information and data collected from the above sources, 4 Designs of honeycomb stitch smocking textures were tried and 4 of them were selected. These 4 Designs were further developed using old synthetic saree by heat press and used them on neckline and sleeves of ladies tops.

Construction

- Development of the fabric manipulation techniques of honeycomb smock texture design on one side of the old synthetic saree.
- Developing paper patterns of the ladies top.
- Tracing these on other side of the synthetic saree.
- Cutting the synthetic saree on the marking of paper pattern of the ladies tops
- Cut the designed fabric manipulation techniques of honeycomb stitch smock texture designs according to the desired neckline design and the sleeves.
- Attach the designed fabric manipulation techniques of honeycomb stitch smock texture design on the neckline of the ladies tops.
- Attach the designed honeycomb stitch smock texture design for the sleeves
- Stitching the ladies tops.
- Final finishing of the ladies tops.

Procedure involved in design and development of the ladies tops by applying the fabric manipulation technique of the honeycomb stitch smocking textures on old synthetic saree by using heat press.

- **Style features:** Style features of the entire ladies tops by applying the honeycomb stitch smocking textures at necklines and sleeves of ladies tops.
- **Patterns:** According to style feature the ladies tops patterns are constructed for Standardize for 20 to 25 years ladies.
- **Costing:** Costing of all the styles is included.



COST SHEET			
DESIGN 1		FABRIC CONTENT - SYNTHETIC SAREE	
SIZE - MEDIUM		PRODUCTION CATEGORY - LADIES WEAR	
FABRIC	QTY	AMT	DESIGN 1
Synthetic saree	1.35 m	88	
TRIMS	QTY	AMT	
Thread	1	5	
LABOUR	QTY	AMT	
Honey comb stitch smocking Texture (1 hour)		150	
Stitching of top (1 hour)		150	
PACKINGS	QTY	AMT	COST OF GARMENT
Paper cover	1	5	517
			TOTAL COST
			398
			PROFIT 30%
			119

COST SHEET			
DESIGN 2		FABRIC CONTENT - SYNTHETIC SAREE	
SIZE - MEDIUM		PRODUCTION CATEGORY - LADIES WEAR	
FABRIC	QTY	AMT	DESIGN 2
Synthetic saree	1.35 m	88	
TRIMS	QTY	AMT	
Thread	1	5	
LABOUR	QTY	AMT	
Honey comb stitch smocking Texture (1 hour)		160	
Stitching of top (1 hour)		150	
PACKINGS	QTY	AMT	COST OF GARMENT
Paper cover	1	5	530
			TOTAL COST
			408
			PROFIT 30%
			122

COST SHEET				
DESIGN 3		FABRIC CONTENT - SYNTHETIC SAREE		
SIZE - MEDIUM		PRODUCTION CATEGORY - LADIES WEAR		
FABRIC	QTY	AMT	DESIGN 3e	
Synthetic saree	1.35 m	88		
TRIMS	QTY	AMT		
Thread	1	5		
LABOUR	QTY	AMT		
Honey combo stitch smocking Texture (1 hour)		150	COST OF GARMENT	
Stitching of top (1 hour)		150		517
PACKINGS	QTY	AMT	TOTAL COST	398
Paper cover	1	5	PROFIT	119

COST SHEET				
DESIGN 4		FABRIC CONTENT - SYNTHETIC SAREE		
SIZE - MEDIUM		PRODUCTION CATEGORY - LADIES WEAR		
FABRIC	QTY	AMT	DESIGN 4	
Synthetic saree	1.35 m	88		
TRIMS	QTY	AMT		
Thread	1	5		
LABOUR	QTY	AMT		
Honey combo stitch smocking Texture (1 hour)		150	COST OF GARMENT	
Stitching of top (1 hour)		150		517
PACKINGS	QTY	AMT	TOTAL COST	398
Paper cover	1	5	PROFIT	119.4

ACCEPTANCE OF DESIGN

- Acceptance study was carried out on design and development of the ladies tops with fabric manipulation of honeycomb stitch smocking texture on neckline and sleeves using old synthetic saree by heat press through questionnaires method following question were asked and response were tabulated and graph were made to find out the acceptance level regarding use of synthetic saree, texture created, neck design, sleeve design, price, maintenance, overall appearance of the Ladies tops with fabric manipulation of honeycomb stitch smocking texture on neckline and sleeves using old synthetic saree by heat press.

BIBLOGRAPHY

BOOKS REFFERED:

- Illustrated Guide to Sewing: Garment Construction: A Complete Course on MakingClothing for Fit and Fashion.
- Fabric Manipulation: 150 Creative Sewing Techniques Paperback –Illustrated, 28 June2013 by Ruth Singer.
- Fast, Fun and Easy Fabric Bowls: 5 Reversible Shapes to Use and Display by LindaJohansen

WEBSITES REFFERED:

- https://www.xacus.com/en/media-feed/blog/history-of-women-s-shirts-from-roman-tunics-to-renaissance-blouses-part-1_70_158.htm
- <https://sewguide.com/>
- <https://parenting.firstcry.com/articles/10-creative-ways-to-recycle-a-saree/>
- <https://makezine.com/projects/add-texture-to-fabric-with-3d-shibori-techniques/>
- <https://study.com/academy/lesson/fabric-manipulation-techniques.html>
- <https://en.m.wikipedia.org/wiki/Smocking>
- <https://www.professorpincushion.com/professorpincushion/honeycomb-smocking/>