

# Enriching Women Cap Design by Using some Indian Art Decorations

Asmahan Ismail Mohamed Al-Najjar

Associate prof in Clothes & Textile Department,  
Faculty of Home Economic, Menufia University

Received: May 29, 2015  
Accepted: September 5, 2015

---

## ABSTRACT

Women need distinction, uniqueness, and developing in her clothes, so she always feels ..... elegance and looks for the least widespread clothes in order to saturate her desire of elegance and uniqueness. Hence the idea of research has emerged to the researcher whose main objective has been renewal and modernity in women's external clothes through suggesting designs for women's winter cap, adding an aesthetic touch on the proposed designs through adding some of Indian art decorations as well as women's winter cap, implementing all these decorations added by automatic embroidery. The researcher has considered this method as modern way to enrich Women cap design so that it can fulfill their desire of distinction and elegance. The researcher has proposed (10 designs) sketched on sketches of Women Cap, applying Photoshop program, present the proposed designs to specialist arbitrators in the field of clothing and textiles to decide whether these designs have added enrichment and modernity to women cap or not, then the researcher has chosen (2) proposed and arbitrated designs that have got the highest quality coefficient and these are the first and ninth design. After that they have been implemented.

After statistical analysis of proposed designs, the results have clarified the following:

- There are no statistical significant differences among the proposed designs in achieving aesthetic values according to the specialists opinions.

- There are no statistical significant differences among the proposed designs in renewal and modernity according to the specialists opinions.

**KEY WORDS:** Aesthetic value - the Indian art decorations - Women's external clothing.

---

## INTRODUCTION

In general, art is regarded as a truthful expression of what human perceives through senses; thinking, and imagination. In addition, it is his expression of himself and society as well (S. Iskandar, 2013). Long ago, there was a constant conflict between man and environment which resulted in changes, alterations in order to subjugate environment to his will so that he can adapt his ideas and behaviors. This process is still going on to come out of cultures and civilizations that history through ages. History of civilizations is a fertile source of designs inspiration and Indian civilization is considered one of the ancient civilizations (T.Okasha -2005). While talking about Indian art, we should remember that India is a country of wonders and contradictions that has unmatched cultural diversity, disparate tongues as well as religious beliefs (T.A. Nasr -1998 m). Indian peoples are of multiple races, traditions, languages, and beliefs; so it has varying arts portrayed different forms of great civilizations expanding throughout history (T.Okasha -2005). Artists were masterly able to use charming colors (M.Zakaria -2007).

Each Family has a different clothing requirement than others. All these requirements depend on the profession practiced by its members: there are specific types of basic clothing for everyone in the family classified as: women, men and children's clothes.

- Specifications of women's external clothing:

- 1- Cloth, color, and design keep up its beauty for many long hours.
- 2- Apparel lines are appropriate for her body and fashion.
- 3- Apparel should be suitable for its time
- 4- Designs should be harmonious with each other in color and lines
- 5- Modesty in designs

**Women clothing fabrics are classified depending on different factors into:**

Raw –Time of use -period of use - place of use – age stage - cloth type (S. Adel, 2009).

**Previous studies about Women external clothing:**

(N.Meligy,2003) study handled women folk fashion and their accessories in Quesna, kforAlrml- Arab al Raml, the village of Abu Zikra in Menofia and how to use them in invention of Women external fashion .

The purpose of (S. Bukhara -2008) is to develop some methods of decorating women traditional clothing in Saudi Arabia, in terms of tools, instruments used in the implementation of decoration methods, places of distribution on clothes so that it can be easily and quickly produce trying to maintain their clothing heritage and upholding the evolving civilization.

Also (M.Sabry et al., 2010) tried to design and implement some external clothes of women bearing the characteristics of Egyptian folk heritage attributes through changing the size of decorative elements (zoom in and out) and their impact on the aesthetic value of printed fabrics. The study conducted that executing models are characterized by diversity in form, size and function as well as putting together folk art and fashion.

Additionally, (E. Fadel, 2011)concerned in making and implementing designs adopted from the Egyptian countryside, carrying the aesthetic values of Egyptian color then employ them in proper clothes for both male and female youth.

While (N. Ibrahim ,2011) study shed light on the punched fabrics in order to find a suitable designs for women's external clothes by using the method of shaping on the model and investing the aesthetic and formal possibilities for these specific fabrics on the model.

(S.Iskandar, 2013) , on the other hand , proved the importance of developing women's external clothing (gown ) by using some units of African art as a rich source for designers in general and fashion designers in particular.

(A.E. Zalat et al, 2013) asserted the advantage of Egyptian folk art and Saudi Asirifolk art in the invention of multiple designs that enrich decorative design in women's external clothing (frock).

Also (A.E. Zalat et al, 2013) study concerned with the invention of designs that enrich aesthetic and artistic values inherent in women external clothing that derived from both Egyptian folk art and the Saudi Asiri folk art in south of Saudi Arabia as designs drawn from Egyptian and Saudi folk art have been made.

•Studies about Indian art:

(F. Sabah, 2005) has tackled the Indian architecture and conducted that Indian architecture derived its elevate from Indian and Islamic civilization during the period of Muslim rule upon the Indian continent.

According to (H. Abdul Aziz,2006)study, it asserted that architecture in East Africa, particularly on the coast has influenced by many influences. The most important are the Arabic impacts in addition to some Indian and Persian influences. The remains of mosques, graveyards and inscriptions are the concrete evidence that should be considered reliable indicators.

The aim of (M.Zakaria,2007) study was to understand the forms of artistic gods so that get the experimentation technique of the Indian artist through using the gliding , animal and plant shape in different ways. The study reached that the forms of Indian gods arean innovated artistic including denotations of emotional artistic patterns characterize the Indian artist works.

Other than (M.Zakaria ,2007) attained that Indian artist is interested in the beauty of organizing and combining the artistic work as well as showed the effectiveness and vitality inherent in the relationship among the shapes. The aesthetic values reclined to set of principles associated with confirmation of person's movement in the Indian art which came to light through using font, color, and plastic elements that resulted in movement and rhythm to rise.

(M.S. Kamel, 2008) concluded that Women in Mughal emperors era in India, whether the queen or princess enjoyed special advantages as well as she participated in wars and battles with her husband against enemies and Some of them came to rule as bequest . In addition, she concerned with her clothes and adornments of Indian decorations as well as wearing jewelry and gems.

Also, (R. Adel, 2010) concerned with creating modern designs of designing on the model inspired by Indian fashion regarding India as one of the ancient arts. It found that the implemented designs won high acceptance grades.

(S. A.Hamdy, 2010) has come to the possibility of utilizing Indian art through mixing it with Surreal art in order to come out with designs suitable for enriching the aesthetic values of fabrics and clothing designs attempting to elevate clothing sense as well as invention and refashioning through applying them on modern clothing:

**Problem of research:**

In that manner, we can conclude that the problem of research can be identified in utilization of Indian art decorations in order to enrich, renew, and modernize women's external clothing (Women cap) so that we can come to the following questions:

- Are Indian decorations proper for decorating women's external clothing (Women cap)?
- Is it possible to utilize Indian decorations and produce new plus invented designs that fit fashion ?

**Research Objectives:**

Utilization of Indian art decorations in enriching women's external clothing (Women cap) as well as implementing these decorations after adding to women's cap by automatic embroidery trying to create new and invented designs.

**RESEARCH METHODOLOGY**

The research has attempted to achieve its aim by providing an analytical descriptive study with practical applications contributing in identifying the Indian civilization, specifications of women's external clothes, classification of women's external clothes, and also through collection of previous studies on women's external clothes, Indian Art, and what has been achieved. The applied works have been represented in set of proposed designs (10) designs on sketch, apply Photoshop program on proposed designs to enable researcher to present these designs for specialist arbitrators in the field of clothing and textile, and they were (20 arbitrators). The designs have been assessed through the study tools that include:

1. Arbitration Form of specialists in the field of clothing and textile in order to prove that these models have raised the aesthetic value of the Women's Cap, and whether using Indian decorations have actually created new invented designs.

**Research hypotheses:**

- Specialists' perception in achieving aesthetic values as well as renewal and modernity of proposed designs are different.
- There are no statistical significant differences among proposed designs in achieving the aesthetic values, according to the opinions of specialists.
- There are no statistical significant differences among proposed designs in renewal and modernity, according to the opinions of specialists.

**Applications:**

The research is limited to renew, enrich, change, decorate the shape of Women's cap through suggesting (10 proposed designs), Using some Indian art decorations and distribute them on women's cap in order to grant it elevation, and modernity. These decorations have been implemented with automatic embroidery through:

The researcher has proposed (10 designs) sketched on sketches of Women Cap, applying Photoshop program, present the proposed designs to specialist arbitrators in the field of clothing and textiles to decide whether these designs have added enrichment and modernity to women cap or not, then the researcher has chosen (2) proposed and arbitrated designs that have got the highest quality coefficient and these are the first and ninth design. After that they have been implemented.

**The proposed designs have been as the following:**

**The first design:** the proposed color is green that is a decollet Sabrina coming down on two arms with a small opening; the cap is short from front till the largest size, while longer in the back till after knee. Indian decorations have been added in the back (along the back of cap). At the same time, there are the same units on the right of cap

**The second design:** the proposed color is brown, it is an arc down the armpit from the right, covering the left shoulder, the Cap length is from the left to the middle covering almost the arm center, and it reaches from the right till after the middle of the thigh. The cap is decorated with Indian art decorations that have been adapted to fit the current functioning, age and fashion spirit, and then they have been added to Decoletarea and the cap edge.

**The third design:** : the proposed color is rose, it is a circular decollet opening, covering the two arms, its length reaches wrist, it descends in the form of front roundness (at the wrists of two arms and longer than half-front line) front roundness is longer than back roundness. Decorations have been added to chest area, front edge of the cap, and on the front center line.

**Fourth design:** the proposed color is turquoise that is a decollet opening taking the shape of (v) covering the two arms till the wrist, length of cap is from front half line till the knee (short at the two arms and long at the half line). Decorations have been added on the decollet opening, front half line is with three sizes.

**Fifth design:** the proposed color is red, decollet opening with high collar. It has a big opening for hands till the wrist. It is closed at the front and has a complete front part from right to left part in the form of a pyramid of middle top. Decorations are on neck, shoulder, left arm, the same units are on the

right hand as well as on one side of the pyramid till the down and there is another unit at the top of pyramid (well-fixed in the middle).

**Sixth design:** the proposed color is violet that is a round decollet opening with button – down collar , the cap covering all the two arms till after , the length is in half front and back till the middle of leg, at the edge of the cap there is a small Cornish. Decorations are added to (two sides of button –down collar - round ends of cap from front and back- big units down button –down collar till the end of cap length.

**Seventh design:** the proposed color is yellow that is a decollet Sabrina covering left shoulder till the elbow, in the right side, the Sabrina reach the end of shoulder taking the form of sleeve, the cap length is from right side till the half of thigh. Decorations are added along (Decoltah - right side- left side- cap end).

**Eighth design:** the proposed color is olivaceous that is a round decollet opening out of it a big round garment till the third of arm, the cap is covering till before the wrist, down to front and back till the knee. Decorations are added till half of the garment and out of it small units in the end and the same is on the cap also.

**Ninth design:** the proposed color is pink, decollet cola opening of a big shawl till the end of shoulder. It is open in the front and long from front till the back then the knee. It has a big open for hands. The decorations have been added on both two openings of the hands and the cola.

**Tenth design:** the proposed color is Topy that is a round decollet opening with shawl until the end of a shoulder, open from front and length from front and back reaches the knee. There is a big opening for the hands. Decorations are added to hands opening and collar.

**Proposed Designs:**



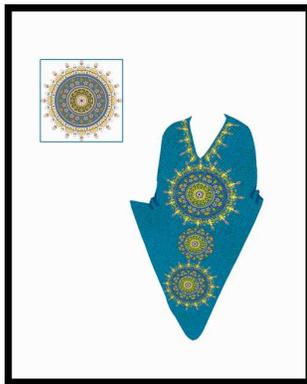
First Design



Second Design



Third Design



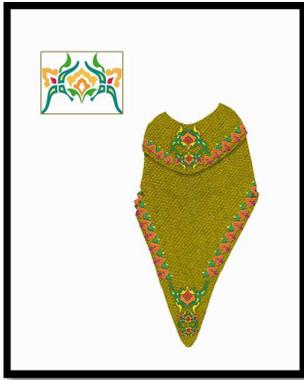
Fourth Design



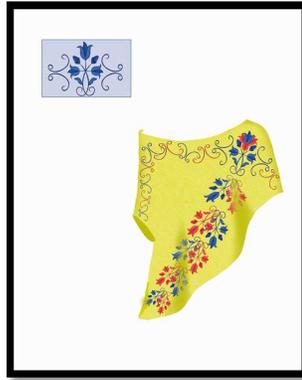
Fifth Design



Sixth Design



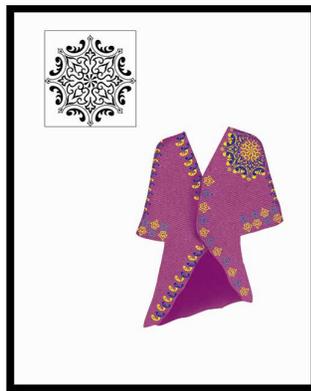
Seventh Design



eighth Design



Ninth Design



Tenth Design

**Implemented models:**



First designed model (front)



first designed model (back)



Second designed model

**Validity and Stability:**

Specialists Questionnaire:

**Questionnaire validity:**

The questionnaire ability to measure what it is put to measure.

**Internal consistency Validity:**

Calculating correlation coefficients between each phrase degree and questionnaire total degree.

**Validity by using internal consistency between the total degree of each axis and the total degree of questionnaire:**

Validity has been calculated through using internal consistency with coefficient correlation (Pearson coefficient correlation) between the total degree of each axis and total degree of the questionnaire as a whole, and the following table clarifies that:

**Table (1) values of coefficient correlation between total degree of each axis and total degree of questionnaire:**

Axes	correlation	significance
First axis: Design elements	0.826	0.01
Second axis: Design basics	0.914	0.01
Third axis: Achieve aesthetic value of proposed designs	0.768	0.01
Fourth axis: Renewal and modernity of proposed designs	0.852	0.01

As it is clarified in table (1), all the coefficient correlations are significant at level (0.01) as they are closer to true one and this is an evidence of validity and harmony of questionnaire axis.

**Stability:**

Stability means that the test should be accurate while measuring and observation, not self-contradictory, consistence and steady concerning the information it adds about the examined behavior. It is the variance ratio of the degree on the scale that refers to the actual performance of the examined. Stability has been calculated through:

- 1- Alpha Cronbach coefficient
- 2- Split-half method

**Table (2) Values of stability coefficient of questionnaire axes**

Axes	Alpha coefficient	Split-half
First axis: Design elements	0.856	0.828 – 0.891
Second axis: Design basics	0.927	0.891 – 0.960
Third axis: Achieve aesthetic value of proposed designs	0.749	0.712 – 0.789
Fourth axis: renewal and modernity of proposed designs	0.911	0.882 – 0.953
Stability of Questionnaire as a whole	0.819	0.786 – 0.850

It is obvious in the above table that all the values of stability co-efficient: Alpha coefficient and Split-half are significant at level (0.01) and that is an evident of the questionnaire stability.

**RESULTS AND DISCUSSION****First hypothesis: Specialists' opinions about the extent of "achieving aesthetic value, renewal and modernity" of proposed designs.**

In order to investigate this hypothesis, frequencies, percentages, quality coefficients and weight mean of specialists' opinions in order to show to what extent are aesthetic values; renewal and modernity of proposed designs have been achieved. The following tables manifest that:

**Table (3) manifests frequencies, percentages, quality coefficients and weight mean of specialists' opinions in the design no. (1)**

axes	Item No	number			Percentage %			quality coefficients and weight mean
		fit	Somewhat fit	Not fit	fit	Somewhat fit	Not fit	
Achieve aesthetic value of proposed designs	1	20	0	0	100%	0%	0%	100%
	2	19	1	0	95%	5%	0%	97,4%
	3	18	2	0	90%	10%	0%	94,8%
	4	17	2	1	85%	10%	5%	92,2%
	5	15	3	2	75%	15%	10%	87%
Renewal and modernity of proposed designs	1	16	4	0	80%	20%	0%	89,6%
	2	18	1	1	90%	5%	%0	94,8%
	3	17	2	1	85%	10%	%10	92,2%
	4	17	3	0	85%	15%	%5	92,2%
	5	20	0	0	100%	0%	%0	100%
	6	19	1	0	95%	5%	%10	97,4%
	7	18	1	1	90%	5%	%10	94,8%
	8	15	4	1	75%	20%	%5	87%
	9	16	2	2	80%	10%	%10	89,6%
	10	17	2	1	85%	10%	%0	92,2%

**Achieve aesthetic values of proposed designs**

From table (3) , we can conclude that item 1 "harmony in colors used in automatic embroidery " is the best among the other axes with quality coefficient 100%, then item 2 "harmony in colors used in automatic embroidery and the proposed design color with quality coefficient 97.4%, then item 3"proposed designs conform to woman desire of distinction" with quality coefficient 94.8%, then item 4"indian decorations affected the proposed designs" with quality coefficient 92.2%, after that item 5 "balance in distribution of Indian decorations on the design" with quality coefficient 87%.

**Renewal and modernity in proposed designs:**

From table (3) , we can attain that item 5 "harmony in colors used in automatic embroidery and design color " is the best among the other axes with quality coefficient 100%, then item 6 "modernity in the external line of the design with quality coefficient 97.4%, then both item 2" the new in the implementation of Indian decorations on women cap with automatic embroidery " and item 7 "renewal and modernity in designs" with quality coefficient 94.8%, then item 3" renewal in the final shape of women cap " and item 4" harmony in colors used in the implementation of decorations by automatic embroidery " and item 10 "designs saturate woman desire to select all what is new " with quality coefficient 92.2%, after that item 1 " modernity in using Indian decorations on women cap" and item 9" designs fulfill their purpose " with quality coefficient 89.6% and item8 " proposed designs conform to fashion with quality coefficient 87% .

**Table (4) manifests frequencies, percentages, quality coefficients and weight mean of specialists' opinions in the design(2): No. (2)**

axes	Item No	number			Percentage %			quality coefficients and weight mean
		Not fit	Somewhat fit	fit	Not fit	Somewhat fit	fit	
Achieve aesthetic value of proposed designs	1	14	4	2	%70	%20	%10	%84.4
	2	18	1	1	%90	%5	%5	%94.8
	3	16	3	1	%80	%15	%5	%89.6
	4	15	3	2	%75	%15	%10	%87
	5	17	2	1	%85	%10	%5	%92.2
renewal and modernity of proposed designs	1	18	1	1	%90	%5	%5	%94.8
	2	18	2	0	%90	%10	%0	%94.8
	3	19	1	0	%95	%5	%0	%97.4
	4	17	2	1	%85	%10	%5	%92.2
	5	20	0	0	%100	%0	%0	%100
	6	16	3	1	%80	%15	%5	%89.6
	7	15	5	0	%75	%25	%0	%87
	8	15	3	2	%75	%15	%10	%87
	9	17	2	1	%85	%10	%5	%92.2
	10	16	2	2	%80	%10	%10	%89.6

**Achieve aesthetic value of proposed designs:**

From table (4), we can conclude that item 2 "harmony in colors used in automatic embroidery and color of proposed design " is the best among the other axes with quality coefficient 94.8%, then item 5 "balance in the distribution of Indian decorations on the design" with quality coefficient 92.2%, then item 3"proposed designs conform to woman desire of distinction" with quality coefficient 89.6%, then item 4"indian decorations affected the proposed designs" with quality coefficient 87%, after that item 1 "harmony in colors used in automatic embroidery " with quality coefficient 84.4%.

**Renewal and modernity in proposed designs:**

From table (4) , we can attain that item 5 "harmony in colors used in automatic embroidery and design color " is the best among the other axes with quality coefficient 100%, then item 3 "renewal in the final shape of woman cap " with quality coefficient 97.4%, then both item 1" modernity in using Indian decorations on women cap" and item 2 "all what is new in the implementation of Indian decorations on women cap by in automatic embroidery " with quality coefficient 94.8%, then item 4" harmony in colors used in implementation of designs by automatic embroidery " and item 9" designs fulfill their purpose " with quality coefficient 92.2%, after that item 6 " modernity in external line if design" and item 10" designs saturate women desire of selecting all the new" with quality coefficient 89.6% , and after that item 7 " modernity and renewal in designs " and item 8" implemented designs conform to fashion" with quality coefficient 87% .

**Design (3):****Table (5) clarifies frequencies, percentages, quality coefficients and weight mean of specialists' opinions in the designno. (3)**

axes	Item No	number			Percentage %			quality coefficients and weight mean
		fit	Somewhat fit	Not fit	fit	Somewhat fit	Not fit	
Achieve aesthetic value of proposed designs	1	14	5	1	%70	%25	%5	%84.4
	2	15	3	2	%75	%15	%10	%87
	3	17	2	1	%85	%10	%5	%92.2
	4	17	2	1	%85	%10	%5	%92.2
	5	16	2	2	%80	%10	%10	%89.6
renewal and modernity of proposed designs	1	20	0	0	%100	%0	%0	%100
	2	20	0	0	%100	%0	%0	%100
	3	18	1	1	%90	%5	%5	%94.8
	4	17	2	1	%85	%10	%5	%92.2
	5	15	3	2	%75	%15	%10	%87
	6	16	3	1	%80	%15	%5	%89.6
	7	18	2	0	%90	%10	%0	%94.8
	8	19	1	0	%95	%5	%0	%97.4
	9	17	2	1	%85	%10	%5	%92.2
	10	20	0	0	%100	%0	%0	%100

**Achieve aesthetic value of proposed designs**

From table (5) , it is clear that item 3 "proposed designs conform to woman desire of distinction " and item 4"indian decorations affected the proposed designs" are the best among the other axes with quality coefficient 92.2%, then item 5 "balance in the distribution of Indian decorations on the design" with quality coefficient 89.6%, then item 2" harmony in colors used in automatic embroidery and proposed design color" with quality coefficient 87%, , after that item 1 "harmony in colors used in automatic embroidery " with quality coefficient 84.4%.

**Renewal and modernity in proposed designs:**

From table(5) , we can attain that item 1 "modernity in using Indian decorations on women cap " and item 2" the new in implementing Indian decorations on women cap by automatic embroidery" and item 10 "designs saturate woman desire of selecting all what is new" are the best among the other axes with quality coefficient 100%, then item 8 "implemented designs conform to fashion "with quality coefficient 97.4%, then item 3" renewal in the final shape of women cap " and item 7" renewal and modernity in designs" with quality coefficient 94.8%, then both item 4" harmony in colors of designs implemented by automatic embroidery" and item 9" designs fulfill their purpose" with quality coefficient 92.2%, then item 6" modernity in the external line of design" with quality coefficient 89.6%, after that item 5 " harmony in colors of automatic embroidery and design color " with quality coefficient 87% .

**Table (6) shows frequencies, percentages, quality coefficients and weight mean of specialists' opinions in the design No. (4)**

axes	Item No	number			Percentage %			quality coefficients and weight mean
		fit	Somewhat fit	Not fit	fit	Somewhat fit	Not fit	
Achieve aesthetic value of proposed designs	1	16	3	1	%80	%15	%5	%89.6
	2	15	3	2	%75	%15	%10	%87
	3	18	1	1	%90	%5	%5	%94.8
	4	17	3	0	%85	%15	%0	%92.2
	5	15	4	1	%75	%20	%5	%87
Renewal and modernity of proposed designs	1	14	4	2	%70	%20	%10	%84.4
	2	19	1	0	%95	%5	%0	%97.4
	3	20	0	0	%100	%0	%0	%100
	4	18	1	1	%90	%5	%5	%94.8
	5	17	2	1	%85	%10	%5	%92.2
	6	18	2	0	%90	%10	%0	%94.8
	7	19	1	0	%95	%5	%0	%97.4
	8	16	3	1	%80	%15	%5	%89.6
	9	14	4	2	%70	%20	%10	%84.4
	10	15	4	1	%75	%20	%5	%87

**Achieve aesthetic value of proposed designs**

From table (6), we can attain that item 3 " proposed designs conform to woman desire of distinction" is the best among the other axes quality coefficient 94.8%, then item 4" Indian decorations

affected the proposed designs" with quality coefficient 92.2, then item 1" harmony in colors used by automatic embroidery and proposed design color" with quality coefficient 89.6%, then item 2"harmony in colors used in automatic embroidery and proposed design color" and item 5"balance in the distribution of Indian decorations on the design with quality coefficient 87%.

**Renewal and modernity in proposed designs:**

From table (6) ,we can attain that item 3 " renewal in the final shape of women cap" is the best among the other axes quality coefficient 100%, then item 2" the new in implementing Indian decorations on women cap by automatic embroidery "and item 7"renewal and modernity in designs" with quality coefficient 97.4%, then item 4"harmony in colors used in the implementation of decorations by automatic embroidery" and item 6 " modernity in the external line of the design" with quality coefficient 94.8% , then item 5" harmony in colors of automatic embroidery and design color" with quality coefficient 92.2%, then item 8 " implemented designs conform to fashion" with quality coefficient 89.6%, then item 10" designs saturate women desire of selecting all what is new " with quality coefficient 87%, after that item 1"modernity in using Indian decorations on woman cap" and item 9" designs fulfill their purpose" with quality coefficient 84.4%.

**Table (7) manifests frequencies, percentages, quality coefficients and weight mean of specialists' opinions in the design No. (5)**

Axes	Item No	number			Percentage %			quality coefficients and weight mean
		fit	Somewhat fit	Not fit	fit	Somewhat fit	Not fit	
Achieve aesthetic value of proposed designs	1	15	3	2	%75	%15	%10	%87
	2	18	1	1	%90	%5	%5	%94.8
	3	17	3	0	%85	%15	%0	%92.2
	4	16	3	1	%80	%15	%5	%89.6
	5	18	2	0	%90	%10	%0	%94.8
Renewal and modernity of proposed designs	1	17	2	1	%85	%10	%5	%92.2
	2	17	3	0	%85	%15	%0	%92.2
	3	15	3	2	%75	%15	%10	%87
	4	16	3	1	%80	%15	%5	%89.6
	5	19	1	0	%95	%5	%0	%97.4
	6	15	3	2	%75	%15	%10	%87
	7	14	4	2	%70	%20	%10	%84.4
	8	18	1	1	%90	%5	%5	%94.8
	9	16	2	2	%80	%10	%10	%89.6
	10	18	2	0	%90	%10	%0	%94.8

**Achieve aesthetic value of proposed designs:**

From table (7) ,we can conclude that item 2 " harmony in colors used by automatic embroidery and proposed design color " and item 5" balance in the distribution of Indian decorations on the design "are the best among the other axes with quality coefficient 94.8% , then item 3" proposed designs conform to woman desire of distinction" with quality coefficient 92.2%, then item 4" Indian decorations affected the proposed designs" with quality coefficient 89.6%, then item 1" harmony in colors used by automatic embroidery and proposed design color" with quality coefficient 87%.

**Renewal and modernity in proposed designs:**

Table (7) , shows that item 5 " harmony in colors of automatic embroidery and design color " is the best among the other axes with quality coefficient 97.4%, then item 8" " implemented designs conform to fashion" and item 10" designs saturate women desire of selecting all what is new " with quality coefficient 94.8%, then item 1" modernity in using Indian decorations on woman cap" and item 2" " the new in implementing Indian decorations on women cap by automatic embroidery " with quality coefficient 92.2%, then item 4" harmony in colors used in the implementation of decorations by automatic embroidery" and item 9 " designs fulfill their purpose " with quality coefficient 89.6%, then item 3" renewal in the final shape of women cap" and item 6 " modernity in the external line of the design" with quality coefficient 87% , after that item 7" renewal and modernity in designs " with quality coefficient 84.4%.

**Table (8) manifests frequencies, percentages, quality coefficients and weight mean of specialists' opinions in the design no. (6)**

axes	Item No	number			Percentage %			quality coefficients and weight mean
		fit	Somewhat fit	Not fit	fit	Somewhat fit	Not fit	
Achieve aesthetic value of proposed designs	1	17	2	1	%85	%10	%5	%92.2
	2	19	1	0	%95	%5	%0	%97.4
	3	18	1	1	%90	%5	%5	%94.8
	4	18	2	0	%90	%10	%0	%94.8
	5	17	2	1	%85	%10	%5	%92.2
Renewal and modernity of proposed designs	1	19	1	0	%95	%5	%0	%97.4
	2	18	1	1	%90	%5	%5	%94.8
	3	18	2	0	%90	%10	%0	%94.8
	4	15	3	2	%75	%15	%10	%87
	5	16	2	2	%80	%10	%10	%89.6
	6	17	2	1	%85	%10	%5	%92.2
	7	15	3	2	%75	%15	%10	%87
	8	16	3	1	%80	%15	%5	%89.6
	9	17	2	1	%85	%10	%5	%92.2
	10	14	5	1	%70	%25	%5	%84.4

**Achieve aesthetic value of proposed designs**

From table (8), we can conclude that item 2 "harmony in colors used by automatic embroidery and proposed design color" is the best among the other axes with quality coefficient 97.4%, then item 3 "proposed designs conform to woman desire of distinction" and item 4 "Indian decorations affected the proposed designs" with quality coefficient 94.8%, then item 1 "harmony in colors used by automatic embroidery" and item 5 "balance in the distribution of Indian decorations on the design" with quality coefficient 92.2%.

**Renewal and modernity in proposed designs:**

Table (8), shows that item 1 "modernity in using Indian decorations on woman cap" is the best among the other axes with quality coefficient 97.4%, then item 2 "the new in implementing Indian decorations on women cap by automatic embroidery" and item 3 "renewal in the final shape of women cap" with quality coefficient 94.8%, then item 6 "modernity in the external line of design" and item 9 "designs fulfill their purpose" with quality coefficient 92.2, then item 5 "harmony in colors by automatic embroidery and design color" and item 8 "implemented designs conform to fashion" with quality coefficient 89.6%, then item 4 "harmony in colors used in implementation of decorations by automatic embroidery and item 7 "renewal and modernity in designs" with quality coefficient 87%, after that item 10 "designs saturate woman desire in selecting all what is new" with quality coefficient 84.4%.

**Table (9) manifests frequencies, percentages, quality coefficients and weight mean of specialists' opinions in the design no. (7)**

axes	Item No	number			Percentage %			quality coefficients and weight mean
		fit	Somewhat fit	Not fit	fit	Somewhat fit	Not fit	
Achieve aesthetic value of proposed designs	1	13	4	3	%65	%20	%15	%81.8
	2	15	3	2	%75	%15	%10	%87
	3	18	2	0	%90	%10	%0	%94.8
	4	17	2	1	%85	%10	%5	%92.2
	5	19	1	0	%95	%5	%0	%97.4
Renewal and modernity of proposed designs	1	16	2	2	%80	%10	%10	%89.6
	2	15	3	2	%75	%15	%10	%87
	3	18	1	1	%90	%5	%5	%94.8
	4	17	2	1	%85	%10	%5	%92.2
	5	17	1	2	%85	%5	%10	%92.2
	6	16	3	1	%80	%15	%5	%89.6
	7	15	4	1	%75	%20	%5	%87
	8	18	2	0	%90	%10	%0	%94.8
	9	17	3	0	%85	%15	%0	%92.2
	10	20	0	0	%100	%0	%0	%100

**Achieve aesthetic value of proposed designs**

From table (9), we can conclude that item 5 "balance in the distribution of Indian decorations on the design" is the best among the other axes with quality coefficient 97.4%, then item 3 "proposed

designs conform to woman desire of distinction" with quality coefficient 94.8%, then item 4" Indian decorations affected the proposed designs" with quality coefficient 92.2%, then item 2" harmony in colors used by automatic embroidery and proposed design color with quality coefficient 87%, after that item 1"harmony in colors used by automatic embroidery " with quality coefficient 81.8%.

**Renewal and modernity in proposed designs:**

Table (9) , shows that item 10 "designs saturate woman desire in selecting all what is new" is the best among the other axes with quality coefficient 100%, then item 3" "renewal in the final shape of women cap" and item 8"implemented designs conform to fashion" with quality coefficient 94.8%, then item 4" harmony in colors used in implementation of decorations by automatic embroidery" and item 5" harmony in colors by automatic embroidery and design color " , and item 9 "designs fulfill their purpose" with quality coefficient 92.2%, then item 1"modernity in using Indian decorations on woman cap| and item 6"modernity in the external line of design" with quality coefficient 89.6%, after that item 2" the new in implementing Indian decorations on women cap by automatic embroidery " and item 7"renewal and modernity in designs" with quality coefficient 87%.

**Table (10) manifests frequencies, percentages, quality coefficients and weight mean of specialists' opinions in the design No. (8)**

axes	Item No	number			Percentage %			quality coefficients and weight mean
		fit	Somewhat fit	Not fit	fit	Somewhat fit	Not fit	
Achieve aesthetic value of proposed designs	1	16	3	1	%80	%15	%5	%89.6
	2	17	1	2	%85	%5	%10	%92.2
	3	18	1	1	%90	%5	%5	%94.8
	4	16	3	1	%80	%15	%5	%89.6
	5	17	3	0	%85	%15	%0	%92.2
Renewal and modernity of proposed designs	1	15	3	2	%75	%15	%10	%87
	2	14	5	1	%70	%25	%5	%84.4
	3	15	3	2	%75	%15	%10	%87
	4	16	3	1	%80	%15	%5	%89.6
	5	17	1	2	%85	%5	%10	%92.2
	6	14	4	2	%70	%20	%10	%84.4
	7	17	2	1	%85	%10	%5	%92.2
	8	15	3	2	%75	%15	%10	%87
	9	14	3	3	%70	%15	%15	%84.4
	10	16	3	1	%80	%15	%5	%89.6

**Achieve aesthetic value of proposed designs**

From table (10), we can conclude that item 3 "proposed designs conform to woman desire of distinction " is the best among the other axes with quality coefficient 94.8% , then item 2" harmony in colors used by automatic embroidery and proposed design color " and item 5" balance in the distribution of Indian decorations on the design " with quality coefficient 92.2%, then item 1"harmony in colors used by automatic embroidery " and item 4" Indian decorations affected the proposed designs" with quality coefficient 89.6%.

**Renewal and modernity in proposed designs:**

Table (10) , shows that item 5"harmony in colors by automatic embroidery and design color " and item 7" renewal and modernity in designs " are the best among the other axes with quality coefficient 92.2%, then item 4 "harmony in colors used in implementation of decorations by automatic embroidery " and item 10"designs saturate woman desire in selecting all what is new" with quality coefficient 89.6%, then item 1" modernity in using Indian decorations on woman cap "and item 3"renewal in the final shape of women cap" and item 8"implemented designs conform to fashion" with quality coefficient 87%, after that item 2" " the new in implementing Indian decorations on women cap by automatic embroidery " and item 6""modernity in the external line of design" and item 9" designs fulfill their purpose" with quality coefficient 84.4%.

**Table (11) manifests frequencies, percentages, quality coefficients and weight mean of specialists' opinions in the design No. (9)**

axes	Item No	number			Percentage %			quality coefficients and weight mean
		fit	Somewhat fit	Not fit	fit	Somewhat fit	Not fit	
Achieve aesthetic value of proposed designs	1	20	0	0	%100	%0	%0	%100
	2	19	1	0	%95	%5	%0	%97.4
	3	18	1	1	%90	%5	%5	%94.8
	4	17	3	0	%85	%15	%0	%92.2
	5	16	3	1	%80	%15	%5	%89.6
renewal and modernity of proposed designs	1	20	0	0	%100	%0	%0	%100
	2	15	3	2	%75	%15	%10	%87
	3	18	2	0	%90	%10	%0	%94.8
	4	17	2	1	%85	%10	%5	%92.2
	5	16	3	1	%80	%15	%5	%89.6
	6	15	4	1	%75	%20	%5	%87
	7	18	2	0	%90	%10	%0	%94.8
	8	17	2	1	%85	%10	%5	%92.2
	9	19	1	0	%95	%5	%0	%97.4
	10	15	3	2	%75	%15	%10	%87

**Achieve aesthetic value of proposed designs**

From table (11), it is clear that item 1 "harmony in colors used by automatic embroidery" is the best among the other axes with quality coefficient 100% , then item 2"harmony in colors used by automatic embroidery and design color" with quality coefficient 97.4% , then item 3 "proposed designs conform to woman desire of distinction " with quality coefficient 94.8, then item 4" Indian decorations affected the proposed designs" with quality coefficient 92.2%, after that item 5" balance in the distribution of Indian decorations on the design " with quality coefficient 89.6%.

**Renewal and modernity in proposed designs:**

Table (11) , shows that item 1 " modernity in using Indian decorations on woman cap " is the best among the other axes with quality coefficient 100%, then item 9"designs fulfill their purpose" with quality coefficient 97.4% ,then item 3 "renewal in the final shape of women cap " and item 7"renewal and modernity in designs" with quality coefficient 94.8%, then item 4 "harmony in colors used in implementation of decorations by automatic embroidery" and item 8 "implemented designs conform to fashion" with quality coefficient 92.2%, then item 5 "harmony in colors by automatic embroidery and design color " with quality coefficient 89.6%, then item 2" " the new in implementing Indian decorations on women cap by automatic embroidery " and item 6 "modernity in the external line of design" and item 10 " designs saturate woman desire in selecting all what is new" with quality coefficient 87%.

**Table (12) manifests frequencies, percentages, quality coefficients and weight mean of specialists' opinions in the design no. (10)**

axes	Item No	number			Percentage %			quality coefficients and weight mean
		fit	Somewhat fit	Not fit	fit	Somewhat fit	Not fit	
Achieve aesthetic value of proposed designs	1	16	3	1	%80	%15	%5	%89.6
	2	14	4	2	%70	%20	%10	%84.4
	3	15	3	2	%75	%15	%10	%87
	4	18	1	1	%90	%5	%5	%94.8
	5	17	3	0	%85	%15	%0	%92.2
Renewal and modernity of proposed designs	1	19	1	0	%95	%5	%0	%97.4
	2	20	0	0	%100	%0	%0	%100
	3	15	5	0	%75	%25	%0	%87
	4	16	3	1	%80	%15	%5	%89.6
	5	14	4	2	%70	%20	%10	%84.4
	6	17	2	1	%85	%10	%5	%92.2
	7	17	1	2	%85	%5	%10	%92.2
	8	13	6	1	%65	%30	%5	%81.8
	9	15	4	1	%75	%20	%5	%87
	10	16	3	1	%80	%15	%5	%89.6

**Achieve aesthetic value of proposed designs**

From table (12), it is clear that item 4"Indian decorations affected the proposed designs" is the best among the other axes with quality coefficient 94.8%, then item 5"balance in the distribution of Indian

decorations on the design" with quality coefficient 92.2 %, then item 1 "harmony in colors used by automatic embroidery" with quality coefficient 89.6%, then item 3 "proposed designs conform to woman desire of distinction" with quality coefficient 87%, after that item 2 "harmony in colors used by automatic embroidery and design color" with quality coefficient 84.4% .

**Renewal and modernity in proposed designs:**

Table (12) , shows that item 2" the new in implementing Indian decorations on women cap by automatic embroidery " is the best among the other axes with quality coefficient 100%, then item "1 " modernity in using Indian decorations on woman cap " with quality coefficient 97.4%, then item 6" modernity in the external line of design" and item 7 "renewal and modernity in designs" with quality coefficient 92.2%, then item 4" harmony in colors used in implementation of decorations by automatic embroidery" and item 10"designs saturate woman desire in selecting all what is new" with quality coefficient 89.6% , then item 3" renewal in the final shape of women cap " and item 9"designs fulfill their purpose" with quality coefficient 87% ,then item 5 "harmony in colors by automatic embroidery and design color " with quality coefficient 84.4%, then item 8"implemented designs conform to fashion" with quality coefficient 81.8%.

**Second hypothesis:**

**There are no statistical significant differences among proposed designs in achieving the aesthetic value in view of specialists' opinions.**

In order to investigate this hypothesis, (Analysis variance) of proposed designs means in achieving aesthetic value in view of specialists' opinions has been calculated and the following table clarifies that:

**Table (13) Analysis variance of proposed designs means in achieving aesthetic value in view of specialists' opinions:**

	Total squares	Squares mean	D.F	(F) value	Significance
Between groups	29.200	3.244	9	1.170	0.316
within groups	526.910	2.773	190		insignificant
Total	556.110		199		

It is shown in table (13) that (f) value was (1.170), a value that is statistically non-significant and this means that there are no differences among proposed designs in achieving aesthetic value in view of specialists' opinions, i.e. proposed designs have been equal in achieving aesthetic value.

**Third hypothesis:**

**There are no statistical significant differences among proposed designs in renewal and modernity in view of specialists' opinions.**

In order to investigate this hypothesis, (Analysis variance) of proposed designs means in renewal and modernity in view of specialists' opinions has been calculated and the following table clarifies that:

**Table (14) Analysis variance of proposed designs means in renewal and modernity in view of specialists' opinions:**

	Total squares	Squares mean	D.F	(F) value	Significance
Between groups	60.743	6.749	9	1.077	0.382
within groups	1190.857	6.268	190		insignificant
Total	1251.600		199		

It is shown in table (14) that (f) value was (1.077), a value that is statistically non-significant and this means that there are no differences among proposed designs in renewal and modernity in view of specialists' opinions, i.e. proposed designs have been equal in renewal and modernity.

**Discussion:**

The previous results clarify that:

Using Indian decorations on women cap have a great influence on the aesthetic value of women Cap and this is clear from the statistical analysis as there are no statistical significant differences among all the ten proposed designs of women Cap in the aesthetic values, i.e. all the proposed designs have been equal in achieving the aesthetic value as the opinions of specialists manifest. While using Indian decorations on women cap have influenced the renewal and modernity of women cap and created new and modern designs that is shown through the statistical analysis as there are no statistical significant differences among all the ten proposed designs of women Cap in the renewal and modernity .i.e. the proposed designs have been equal in the renewal and modernity from the specialists' point of view.

**Recommendations:**

- The researcher recommends that we should give women cap more importance through creating a lot of designs to fulfill women desires.
- She also recommends of adding different styles of embroidery on women cap such as using satin bands.

**REFERENCES**

- 1-Ehab F. Abo Mosa "*Artistry Treatment for some Elements in Egyptian Countryside to Raise the Aesthetic Values of Some Youth Clothes Designs economically as a Small Tourist Project*" *Journal of Home Econ., Menoufia Univ.*, 21 (3), (2011).
- 2-Tharwat Okasha "*Indian Art*" Dar Al-Shark, (2005).
- 3-Hamza A. Badr "*Mosques Architecture in Eastern Africa between Local Styles and Indian & Arabic Effects*" *Journal of Faculty of Arts, Sohag University*, 1(29) March, (2006).
- 4-Rasha M. R. Sayed "*Indian Arts & Fashion as a Source of Designing and Shaping On the Model*" M.A. Thesis, Faculty of Home Econ., Menoufia Univ, (2010).
- 5-Samer A. Hamdi "*Inventing Designs Adopted from Indian Decorations and Seral Art to Enrich Aesthetic Value of Clothing Designs & Fabrics*" M.A. Thesis, Faculty of Home Econ., Menoufia Univ, (2010).
- 6-Sanaa M. Bkhary "*Developing Styles of Women Traditional Clothes' Decorating in Kingdom of Saudi Arabia by Using Modern techniques*" *Journal of Home Econ., Menoufia Univ.*, 18 (2) April , (2008).
- 7-Suzan Adel "*Impact of Some factors of Textile Construction of Crepe Fabrica On the Functional Properties To Implement Women External Clothing*" M.A. Thesis, Faculty of Home Econ., Menoufia Univ, (2005).
- 8-Sesil A. Eskander "*Adaptation of Some Decoration Units & Using to Enrich Women Clothes*" *Journal of faculty of Specific Education, Mansoura Univ* , 32, Oct.,
- 9-Ali E. Zalal et al., "*Invention of Some Designs Inspired from Egyptian & Saudi Folk to Enrich Decorative Design of Women External Clothing*" *Journal of faculty of Specific Education, Mansoura Univ* , 32, Oct.,(2013).
- 10-Ali E. Zalal et al., "*Utilizing the Egyptian & Gulf Folk Heritage to Enrich Decorative Design of Women External Clothing*" *Journal of faculty of Specific Education, Mansoura Univ* , 32, Oct., (2013).
- 11-Fawzia A. A. Mesbah "*Description of Jordanian Sources of Islamic Heritage In India in Fayroz Shah Era*", *Journal of Faculty of Arts, Mansoura University*(37),(2005).
- 12-Mohammed S. Kamel "*Indian Woman in Moghul Empires* ,*Journal of Faculty of Arts, Sohag University* 1(18),(2008).
- 13-Mohammed S. Ismael et. al "*Studying Impact of Folk Egyptian Decorative Unit on Aesthetic Value Of Printed Women Summer Clothes* , *Journal of Home Econ., Menoufia Univ.*, 20 (1), (2010).
- 14-Maha Z. Abdel Rahman "*Aesthetic Values In Extracts from Indian God Forms: Critical Study* ", *Journal of Home Econ., Menoufia Univ.*, 17 (4), Oct.,(2007).
- 15-Maha Z. Abdel Rahman "*Aesthetic Values Expressing Persons Movement in Indian Photography & their Role in Atristic Appreciation*", *Journal of Home Econ., Menoufia Univ.*, 17 (4), Oct.,(2007).
- 16-Nesreen A. Meleegy "*an Applied Technical Study of Extracts from Egyptian Folk Decorations & Fashion and Utilizing them in Inventing Designs for Egyptian Woman*" M.A. Thesis, Faculty of Home Econ., Menoufia Univ, (2003).
- 17-Nor Elhoda I. Sedky "*Possibility of Using Holed Fabrics in Enriching Women Clothing Designs by Using Formation on Model Method*" M.A. Thesis, Faculty of Home Econ., Menoufia Univ, (2011).

**Appendix**

**Arbitration Form presented for Specialists to arbitrate the proposed designs:**

No	Axes	Yes	No	Somewhat
<b>(1)</b>	<b>Design Elements</b>			
1	Material is appropriate for dressing time			
2	Colors are harmonious with each other			
3	Lines suit model			
4	Model shape fulfill functional purpose			
<b>(2)</b>	<b>Design Basics</b>			
1	Colors of automatic embroidery are appropriate for model color			
2	To what extent are model and Indian decorations are balanced and coherent			
3	Are Indian decorations dominating the model			
<b>(3)</b>	<b>Achieve Aesthetic Values of proposed designs</b>			
1	harmony in colors used by automatic embroidery			
2	harmony in colors used by automatic embroidery and design color			
3	proposed designs conform to woman desire of distinction			
4	Indian decorations affected the proposed designs			
5	balance in the distribution of Indian decorations on the design			
<b>(4)</b>	<b>Renewal &amp; modernity of proposed designs</b>			
1	modernity in using Indian decorations on woman cap			
2	the new in implementing Indian decorations on women cap by automatic embroidery			
3	renewal in the final shape of women cap			
4	harmony in colors used in implementation of decorations by automatic embroidery			
5	harmony in colors by automatic embroidery and design color			
6	modernity in the external line of design"			
7	renewal and modernity in designs			
8	implemented designs conform to fashion			
9	designs fulfill their purpose			
10	designs saturate woman desire in selecting all what is new			