



## DEVELOPMENT OF A NEW MODEL BASED ON MODEL MODELS FOR WOMEN WITH NON-TYPICAL FIGURES

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### Abstract

This article describes the development of a new model for women with atypical figures, based on the analysis of mock-ups, with raglan sleeves combined with two different fabrics and a pleated back, which hides the curvy figure.

**Keywords:** pattern, design, material, raglan sleeve, solid sleeve, transfer sleeve, coquettish, pleated, cuffed, buttoned, bow collar, clothes, atypical, silhouette, shape, need, bent figure, natural fibre.

### Introduction

Products produced in the industry are made only according to typical figures. However, in life, some figures differ from normal. They include stooped and stooped low-shouldered and high-shouldered types. For them, one of the dimensions that characterize height is the difference between the height of the body and the height of the shoulders [1]. The structure of the body is determined by several signs, first of all, the level of muscle development, a person's age, height, and degree of obesity. The difference in the level of development of these signs is determined by the biochemical characteristics of the organism; first of all, the metabolic processes, as well as genetic factors and the influence of the external environment. Morphology includes the shape of the chest, abdomen and shoulders among the features of body structure [2].

A curvaceous figure has a noticeable rounder back, protruding chest, forward bent shoulders, a slight bend in the waist, narrow breasts, wider back, longer back to waist, and shorter front [3]. A test questionnaire was created based on the analysis of modern fashion trends in order to study the needs and requirements for clothes of women with atypical figures that deviate from the typical. In the survey, women's opinions on body types, clothing silhouettes, clothing length, clothing style, fabric colour and composition, the decorations they like, long or short sleeves, and other types of clothing were studied in the survey [4], these results

are three different model samples of the type of clothing suitable for atypical women's figure were selected.

As part of my thesis research, we have learned the following about the lifestyle and clothing style of a curvy woman. The woman with the figure we chose is 52 years old, a housewife, and a seamstress. He said that this figure is one of the main reasons for this shortcoming due to sitting incorrectly in his youth and being ashamed of the change in his figure in adolescence. Mock-up samples were developed according to the size of the owner of this figure, size 48. Figure 1 below shows his body structure:



Figure 1. The figure of a woman with a curvy figure.

Issues of ensuring the stable quality of clothes suitable for women's unusual figures, including aesthetic features of products produced by light industrial enterprises, are of particular importance. Practice shows that when non-standard

clothes, which are different from the generally recognized ones, in particular, the most aesthetic issues are the priority, they do not satisfy the demand of most consumers.

With the abundance of different design methods, the field of creating fashion clothes for the full figure has not been sufficiently explored [5]. Therefore, the production of clothes that meet the needs of consumers is one of the tasks facing light industrial enterprises [6].

In this part, I made a project drawing of the selected sketch models, modelled the templates in a suitable position for the model, cut out the mock-ups of each model using simple grey material, and then sewed them on a sewing machine with the help of a joint seam. Each mock-up model is completely different in shape, silhouette and fashion. But decorative additions are repeated. We can give examples of these: folds, tahlams and coquettes.

The mock-up of the 1st sample has a trapezoid shape [7], the front part is sewn with an edged coquettish, and the back part is selected from the middle part of the neck. The sleeve is of medium length. When the mockup was worn on a bent figure, the following defects were found: the front part was raised much higher than the back part, and the width of the back could be seen to have creases due to the figure bending. The front and back parts are made of separate gauze. This pattern was chosen to hide the bent figure, but it was found to have the above defects, although it does not indicate that the figure is bent from the back.





Figure 2. Pattern 1: A view of the mock-up pattern with additional padding on the back.

The mock-up model in sample 2 is a straight-cut shirt with integrated sleeves. In this model, we used short pleats in the back and front and cut in the waist. Short round coquettish and waist cut with small pleats. The lower part of the waist is straight, and there is a closed pleat in the middle part of the front. The folds in the bodice hide the defect of the curvy figure. In such a model, the owner of a curvy figure wears it without being ashamed of its defect. When this pattern is worn on the body, it can be seen that the sleeve is pulled and the back yoke is formed because it is worn on a bent body. We can see that this layout needs structural changes to the sleeve and back yokes.





Figure 3. Pattern 2: View of a mock-up pattern with a waist-length pleat on the back.

This mock-up with a raglan style in pattern 3 features a ribbed collar at the collar and raglan sleeves, a closed placket at the centre front, and three-button placket buttons. On the back part, there is a straight line of coquettish, and the bottom part of the coquettish is sewn. The reason why this tape was given to the back part was to hide the short figure, but when we tried to put the model on the body, it did not give the result we expected. We noticed that due to the bending caused by the height defect, the sleeves were pulled from the back part, the seam in the middle part did not match the model, and the collar shoulder was slightly larger [8]. That's why we've made a change to our third base model of choice.





Figure 4. Pattern 3: A view of the pattern of the coquettish and pleated pattern on the back piece

This raglan shirt is flattering with a bow collar on the collar and raglan sleeves, we've chosen a closed placket at the centre front and four buttons. The back part has a straight line and folds are sewn at the bottom of the box. The reason why these folds are given to the back part is to hide the figure defect. A collar with a bow draws attention and adds a little flair to the outfit. The sleeve has a raglan pattern [9] with cuffs, and the cuff is fastened with two buttons.





Figure 5. The chosen model for a curvy figure.

This model, made of two-tone fabrics, is designed to perform the function of everyday and fancy clothes. Raglan sleeves with cuffs made of a navy-coloured fabric to match the main dress look very unusual. We can go to work, shopping or to parties in such clothes. The shirt can be worn in the spring and autumn seasons. For the main shirt, we used SUPREME material with the same composition and 100% natural fibre in two different looks. We chose the main pieces from a checkered material and added raglan sleeves and a banded collar from chest-coloured materials to create a combined look. For this model, we tried to sew a model from other types of gauze [11], but when we tried to sew the model shown in Figure 4, the gauze selected for the model we recommended was a little thick and did not give the result we expected, so we cannot recommend this model. Based on the analysis of the obtained sample layouts, a new model was developed, i.e., a basic model [12,13] that corresponds to the atypical figures of women with raglan style in Figure 5, by changing the back part coquettish cut of the model in Figure 4 to a pleated version. we went out When we tried this model on, it met our expectations. Therefore, we recommend the model in Figure 5 for curvy women.



Figure 6. A basic model designed for a curvy figure.

### Conclusion

In conclusion, experimental studies were conducted by preparing the first models of clothing based on modern model sketches of dresses suitable for women's atypical body types. As a result of the experimental research, three versions of the clothing mock-up were worn on the figure, and its level of fit was studied, but we chose the sample of our third model with a slight change in the mock-up, because, in Figure 6 a coquettish touch on the back of the model shown did not give a positive result. Therefore, a modified version of this layout model was developed. In the modified model, we changed the back cut to a coquettish cut and chose a pleated version instead. Our main task is to develop a new model of a dress with a raglan design and a back part that is flexible to women's hunched figures and hides the shortness of the figure.





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