Designing and producing women's blouses by using nonwoven fabrics

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Abstract
For decades, nonwovens used in apparel were only used as fusible interlinings, reinforcements for shirt collars and cuffs, or front interfacings for suits. They were considered disposable and rigid. This has changed drastically in recent years due to the research and development in the properties of nonwoven fabrics. The advanced nonwovens used as an apparel outer fabric, and can be used for leisurewear, active wears and work wear. When we think of fashion apparels as creative instincts, most of us relate them with the traditional classifications – woven and knitted. We would be loath to consider nonwoven fabrics for the scope of fashion outfits. The microfilament fabric combines very good textile and mechanical properties - similar to traditional micro fiber fabrics, but also very durable. Unlike traditional fabric manufacturing process, nonwoven fabrics are directly obtained from fibers. A nonwoven material offers number of advantages over traditional fabrics, cost savings being the most obvious.
This research explores the techniques that can be used in designing and producing the women's blouse by using the nonwoven fabrics and aims to use the nonwoven fabric in designing and producing the women's blouse at low costs. The result identified the best designs that have been produced using nonwoven fabrics were designs no. (8,10&1). They achieved the highest values in the evaluation, specially in the possibility of the production and marketing the design, Implementation techniques achieved advanced levels in the field of designing and implementation, The nonwoven fabrics properties are compatible with techniques used in the implementation, Decorative design enriches the essential design, and The general shape of the design. Designs no. (5&6) achieved the lowest values in the evaluation.

Keywords:
nonwoven fabrics, apparel production, apparel design.