

The research aims to work ready software application that specializes in the design and preparation , grading low-cost models , suitable for medium and small factories , and does not require the user to the seasoned . To serve the area of the garment industry in Egypt to reach the global competition , especially in the era of globalization. The preparation of a program to design and scale models for women's clothing has many benefits, including saving time and effort in drawing form (Pattern) , precision drawing and modeling (Pattern) automatically accurately spreadsheet, with the possibility of modifying the model using AutoCAD as well as staging automatically through selected sizes required grading , he can also change in the models after the completion of the staging , through a program AutoCAD , in addition to the withdrawal of the models listed and add Smahat sewing required to prepare models for shifting through the program AutoCAD , and calculate the amount of fabric used in each piece in seconds through the program AutoCAD , and finally calculate the efficiency ratio interlock for a mattress and the proposed waste rate. This is an attempt to develop the garment general and the textile and apparel sector in particular.industry by strengthening the garment factories of modern technological methods and manual methods to transform a mechanism other than ways to take advantage of the proposed program in educational institutions and private specialized in the field of home economics in And evaluated the proposed program from the academic and industrial program has achieved a degree of acceptance and success in the light of the averages of evaluation specialists (arbitration Academic) for each axis of the axes of evaluation and axles (as a whole) , and the program has achieved a degree of acceptance and success in the light of the averages of evaluation specialists (arbitration industrial) for each axis axes of evaluation and axles (as a whole) , and no correlation between the order of academics and industrialists to axes evaluate the proposed program, and the program has received the proposed percentage (93.10 %) in the light of the arbitration academic, and the percentage (96.59 %) in the light of the arbitration industry, and the ratio (94.85 %) in the light of academic and industrial .arbitration, a high percentage