

Obstacles of Applying Artificial Intelligence Techniques in the Ready-made Clothing Industry

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Abstract:

The technological revolution and its smart, renewable applications have become widespread in various aspects of life, especially in the field of industry, which has developed into a position that allows it to use systems to interconnect and integrate in real time with processes to add performance value to the product, and has come to include robotics, simulation, software integration, the Internet between devices, and the Internet. Services, big data analysis, data science, cloud infrastructure, augmented reality and artificial intelligence. Artificial intelligence is the science that seeks to develop computer systems to operate with high efficiency similar to human efficiency, so the current research aimed to identify the obstacles to applying artificial intelligence (AI) techniques in the ready-made clothing industry. The research sample consisted of (15) labor market owners, namely (managers of ready-made clothing factories, managers of production departments in the factory). The research followed the descriptive approach and represented its tools in a questionnaire survey the opinion of labor market owners in clothing factories to determine the obstacles to the application of artificial intelligence techniques in the ready-made clothing industry.

The results of the research revealed the presence of human obstacles, technical obstacles, administrative obstacles, and financial and economic obstacles, all of which limit the application of artificial intelligence techniques in the ready-made clothing industry, as the degree of approval of labor market owners in clothing factories on the presence of these obstacles for the axes as a whole ranged between high and very high, and the two researchers recommended There is a need to pay attention to applying artificial intelligence techniques in ready-made clothing production operations in Egypt to contribute to increasing productivity and competitiveness, and raising the efficiency of the production process within clothing factories.

Keywords:

Obstacles - Technologies - Artificial Intelligence - Ready-made clothing industry

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