

## **Taking advantage of artificial intelligence in producing modern graphics and designs**

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### **Abstract**

Today, artificial intelligence has become a very popular concept, and it has entered all scientific and technical fields, including the humanities, and perhaps the smartphones that we own are the best evidence of that. It is also called the science of informatics, and it is the science that relies on algorithms with the ability to adapt, quote and predict.

Artificial intelligence technology did not forget to knock on the doors of the visual arts, especially the fields of graphics and graphic designs, which witnessed a very large and sequential boom in a huge acceleration by employing artificial intelligence technology in offering different and varied design solutions for the same inputs, as machines can now imitate the most powerful methods of visual arts. Created by humans, but so far without emotions or feelings as it seems to us, and there are those who see that it lacks two main faculties that are indispensable to describe any work as creativity: the first is the expression of the insides such as heartbreak, joy, anger, or the hidden desire to express oneself, The second is originality and meeting the standards of creative expression, so in this research we are about to raise this problem for the purpose of research and scrutiny about the benefit of artificial intelligence techniques in the production of drawings and graphic designs. The research begins with an introduction and then sheds light on the concept of human intelligence as an introduction to artificial intelligence, then the concept of artificial intelligence Its types and origins, passing through highlighting the use of artificial intelligence applications in attempts to produce graphics and graphic designs, leading to practical applications produced by the researcher by employing applications and techniques of artificial intelligence in the production of graphic designs, and finally presenting the results and recommendations drawn from the research.

### **Key words:**

Artificial Intelligence - Design - Graphic