

## **Modern Formulations for the Printed Textile Hangings through the Application of Digital Painting Technique**

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### **Abstract:**

Digital painting is one of the modern technologies which can be adopted in the design of printed textile hangings, as design is no longer tied to traditional methods and techniques such as brushes and colors but the designer can bypass this with modern technology and digital painting, it cannot replace traditional painting but it helps enrich the ways of drawing elements and ways of coloring in the design, it represents a balanced relationship between modern technology and design to provide the best solutions, in addition to that digital painting tablets is a clean and tidy work environment for the designer and artist as they provide them with all the capabilities they need to reach their goals, it opens up more space for creativity. Corel Painter program is the best digital art studio, with it, the designer and artist can easily use many brushes and expression in drawing more realistically without stagnation and amazing final results with unlimited creativity. The value of the artwork using digital painting technique is to organize the elements by line, surface, and color, it is not possible in the process of digital painting to transfer the target in a static way but the designer must understand the consistency between the various relationships and put them in the design harmoniously. The designer of textile printing during the design process does not work without controls or laws but he/she thinks through the rules and foundations that give his work in the end the characters of stability and cohesion.

### **Keywords:**

Digital Painting, Corel Painter, Design of Textile Printed hangings

### **Research problem:**

The problem can be formulated in the following questions:

- What is the role of technological development in achieving new formulations in the design of printed hangings?
- How to rely on the experimental thought of digital painting technique to create designs suitable for textile printing hangings?

**Research importance:**

- The trend towards achieving the figurative and expressive values of painting using digital painting technique, using the HUION® Kamvas Pro 20 Pen display digital tablet, Corel Painter 2021 to get creativity designs, and why the researcher chose to use them?
- Reaching different approaches to deal with the digital painting technique to produce printed textile works and benefiting from them in the applied experience.
- Access to many new formulations in design through the application of digital painting technique.
- Keeping abreast of the textile printing designer with everything new in the subject of digital painting to learn about advanced techniques for experimentation and creativity.

**Research aims:**

The current research aims to:

- Take advantage of digital painting technology in making innovative and new designs.
- Displaying the HUION® Kamvas Pro 20 Pen display and Corel Painter 2021 which were used in the design process.
- Benefiting from innovative methods of dealing with digital painting technique to produce print textile works in the form of an applied experience for the researcher.

**Research Methodology:**

- **Historical Approach:** The Historical Beginning of Digital Painting
- **Experimental approach:** And that is through the researcher's own experience in creating designs with digital painting technology through the HUION® Kamvas Pro 20 Pen display and Corel Painter 2021, and why the researcher chose to use them?

**Search terms:**

- **The digital painting:** It is an art movement that uses the computer as a drawing tool. This movement takes a new style of painting that is considered a contemporary shift for modern art<sup>1</sup>.
- **Printed Hanging:** It is all that is hung on the walls as an aesthetic function and the printed hanging is an area of printed cloth attached to the walls containing printed designs.

**Research hypotheses:**

The research assumes that it can:

- Find innovative solutions by applying digital painting technology to reach new formulations and benefit from them in making printed textile hangings.

**Search limits:**

- **time limits:** The period during 1963-1964 (This is due to the design of the first digital painting program) until the end of the search period.
- **Objective limits:** Through a theoretical study of the types of digital painting, the display of the HUION® Kamvas Pro 20 digital drawing device, the pen display, and Corel Painter 2021 which were used in the design process.

**Procedural steps:****Theoretical framework:**

- Introduction to the digital painting technique.
- The historical beginning of digital painting technology.
- Types of digital painting.
- Presenting the program and device which were used in the design process

**· Application framework**

- Executed designs.

**Research results:**

- 1) The research found innovative solutions applying the technique of digital painting to reach new formulations and benefit from them in the work of printing textile hangings.
- 2) The effectiveness and success of Corel Painter 2021 in digital painting technology and access to innovative and new designs with the effects of traditional painting.
- 3) Effectiveness and success of design through the HUION® Kamvas Pro 20 Pen display and the ability to express in drawing the elements freely through it.

**Recommendations:**

- 1) Conducting more studies on programs specialized in digital painting.
- 2) Working to keep pace with the development of design techniques with knowledge and training on digital painting devices, especially in the field of textile printing.

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