INTRODUCTION

Through the ages human beings incorporate several positive changes to get an advanced life style instead of repetitive and insignificant life. In this progressive transformation, art too underwent with different concepts, technical shifts and evolved certain positive aspects, time by time to discover something creative and pioneering. These experiments introduced new technological facets in the art world and have changed the working methods of contemporary artists, which can be easily noticed in their paintings, drawings and sculptures.

Similarly, digital art is also one of the well-recognized modes of expression, which has established a distinct niche in the present social scenario. It is a result of traditional concepts enveloped in the modern outlook by using an array of textures, shades, patterns and lines.

Digital art has empowered across the broad changes among different art fields like digital painting, graphic, installation and animation. To understand the complex characterization of this advanced art one needs to experience different methodologies and approaches in a thorough manner.

Digital painting is a developing artistic expression in which customary painting methods, for example, watercolor, oil, impasto and acrylic are connected by utilizing advanced with the assistance of digital softwares like Coral Draw and Adobe Photoshop. Specifically, digital graphics refer to several different things such as representation and manipulation of image data from the computer. Artists are used to make and consolidate words, images and pictures: a visual demonstration of thoughts and messages by the assistance of a computer technology.

An improvement in computerized design had a significant effect on digital animation. Digital animation is an impeccable illustration of a visual innovation so as to expand understanding and captivate students during the training of various courses in the field of art and education. Digital animation is a procedure of craftsmanship in which an artist can showcase grouping of pictures to make the visual figment of movement and the creator generate moving images by using computers with animation softwares such as Adobe flash, Light wave and Dream studio. It
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incorporates a methodology utilized for producing enlivened pictures through digital illustrations.

Additionally, digital installation covers a wide field of activity that includes numerous structures, for example, a scope of 2-D and 3-D materials to impact the way we encounter or see a specific space where the totality of items and space include the craftsmanship. It can be achieved through conventional and non-customary media, for example, painting, sculpture, discovered objects, drawing and content, including natural and artificial object like video, photography and computer.

The digital art is being rapidly acknowledged for its artistic contribution and it has assumed an exceptionally noteworthy part in changing the definition and presence of art.

Lately, there has been a development in the web-world which helps painting digitally on the internet. Artists are progressively utilizing advanced computerized media, remote sensing innovations and web media for the making of their masterpieces and also for the conservation of art. Digital art is uniting with different other subjects, for example, maths, science and architecture with the assistance of digital technology. Digital artists have must the capacity to more effectively differentiates between the diverse fields.

Digital artists got the position of pride in the field of this innovative art world. Some of the prominent names in the contemporary Indian art are combining traditional art forms with technologically driven art medium such as Ranbir Kaleka, Gogi Saroj Pal, Ananda Moy Benerji and Paramjeet Singh. In their approaches they are impressively creative and rationally sensitive to highlight the complex issues of the contemporary society. These artists are emerging digital medium and hi-tech programming to open an entirely new and easier mode of experimentation in the field of painting, installation, graphic and animation.

Digital artists are capable of clubbing, art with technology and they have made numerous pathways for the intensifying talent. Their works turn into a subject of discussions in social and cultural arenas. In this respect, digital artists are renovating art in a very unique way. However, these digital artists are taking
inspirations from the real world and then transform their imaginative images on a computer for more enrichment.

Conversely, in digital art, it is the computer through which an artist can manipulate his imaginative ideas in several strata. In this processing of ideas and images, pixels are the primary factor.

Generally, a pixel is the smallest element or component of every image and object which we use to create an image on computer screen. On the other hand, to create an object manually artist combines plenty of dots together, as a single dot cannot create an image without adding many dots, for example, we can create a line through many dots then we can combine those lines together to create a form.

The same process is also evident in the natural environment; the entire organic and inorganic processing of creations based on a single element, particle or dot. With the systematic arrangement of dots or speaks together we can make a complete line or a desired shape.

Hence, pixels are similar to cells and atoms. Much alike cells structure in a body or atoms make the universe, a pixel is the smallest particle of digital images. On the other hand, pixels can be treated as atoms, specks and cells. Pixels help towards making a digital painting. A dot is an image in itself; just like a solitary cell can be a unit of life.

It can be considered like a brick in a wall. Every pixel would be a brick where the image would be the wall. A dot is essentially the smallest unit of measure in the real world and pixel is its counterpart in the digital world of art.

With this, we can infer that the digital world can also give dimensions to the traditional painting. The autocorrelation function, a measure of how similar nearby pixels tend to be, is for all intents and purpose for natural images. Then all that we see, feel, and involve on the world is really encoded in these pixels, which is alternatively known as a solo point in a digital art.

Similarly, digital artist applies this process in the graphic monitors display images by dividing the display screen into thousands/millions of pixels, which are
arranged in the form of rows and columns. For example, old masters started to investigate for different new techniques and scientific color theories such as George Seurat introduced pointillism in 1880 for hand-drawn paintings in the forms of pointillism. Somehow, it can be observed that Seurat’s theory of pointillism and his applications of tiny dots, resembles to that of digital pixels.

So, we can say that present day’s digital art is based on pixels and it can be termed as ‘Pointillism’. Thus, this technique continues to flourish even today. Contemporary artists use these phenomena with the help of computer technology.

Finally, digital art is an expression of imagination, artistic passion and self-declaration, digital art is significantly more lineated and allowed to flourish more than its customary version. This new and innovative branch of art will keep on exploring in a very vivid, dynamic and unique manner.