GE-103

SKETCHING TOOL

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I. Introduction:

A digital sketcher is a tool that converts the given image by the user to a sketch with greyscale colour grading. It can accept image files of any format e.g., png , jpg , jfif but will return the sketch in png format.

II. Literature Review :

The histories of visual communication and the production of physical products, are cojoined by a single act: Sketching.

A. *Pen and Paper* :

When someone says the word "sketch", this is the medium which comes to mind. It's gone through some variation in the instruments used , form papyrus and steel stylus , to etching lines on was tablet , to the pencil and sketchpad that we picture today, this method has remained unchanged for thousands of years.

B. *Digital Drawing Apps and Drawing Tablets* :

We can hardly think of modern design without picturing softwares like Adobe Photoshop, Adobe Illustrator , Autodesk Sketchbook , Corel Draw etc. being involved in the process somewhere.

III. Objective :

A sketch is of great importance from medieval times as it may serve a number of purposes. A sketch might record or develop an idea for later use or it might be used as a quick way of graphically demonstrating an image, idea or principle. In the modern era as due to the advancement of technology digital sketching and digital art tools have been created to make our lives easier as digital art is easy to carry, easy to publish and share, easy to be printed in many places, and most importantly, easy to be corrected.

Conclusion

In this project we learned the application of various libraries of python e.g., tkinter , PIL and cv2 and also saw how we can change colour grading of a given image to the desired colour through python and make a general photography filter by using the same algorithm.

Acknowledgment

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Reference

Geeks for Geeks website : https://www.geeksforgeeks.org/python-gui-tkinter/

Code with Harry :

https://www.youtube.com/watch?v=-Q4lm8eYulw&list=PLu0W_9lII9ajLcqRcj4PoEihkukF_OTzA