

A  
PROJECT REPORT  
ON

**ONLINE WHITEBOARD**

*By*

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*To*

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# DECLARATION

I, **ADITYA JOHN**, student of **B. Tech CSE IV Semester**, Department of Computer Science and Engineering, Graphic Era Hill University, Dehradun, declare that the technical project work entitled “Online Whiteboard” has been carried out by me and submitted in partial fulfilment of the course requirements for the award of degree in Bachelor Of Technology of **Graphic Era Hill University, Dehradun** during the academic year **2021-2022**. The matter embodied in this synopsis has not been submitted to any other university or institution for the award of any other degree or diploma.

**Place: Dehradun**

**Date: 14 July 2022**

# **ACKNOWLEDGEMENT**

We would like to express our gratitude to The Almighty ,the most Beneficent and the most Merciful,  
for completion of project.

Here by I am submitting the project report on “Online Whiteboard”, as per the scheme of Graphic Era Hill University, Dehradun.

I express the deepest sense of gratitude to Mr. ASHOK SAHOO, Asst. Professor, Department of Computer Science and Engineering for the invaluable guidance extended at every stage and in every possible way.

I am very much thankful to all the faculty members of the Department of Computer Science and Engineering, friends and my parents for their constant encouragement, support and help throughout the period of project conduction.

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# INTRODUCTION

A online whiteboard is a learning space where both teachers and students can write and interact with students in real time via the internet.

To get the full power of an online whiteboard, it should have at least these features:

- Infinite or huge **canvas** (this is the actual digital whiteboard)
- Support **sketching, drawing, and handwriting** with a digital pen
- **Sticky notes and workshops cards** in various shapes and colors
- **Multimedia content** like images, videos, and audio recordings
- **Upload documents** like PDF and other office documents
- **Connectors** to create mind-maps, concept-maps, and design workflows
- **Shapes, text,** and other tools to design content on the board
- **Voting and rating of ideas**
- **Commenting and chat options**
- **Integrations with audio-and video conferencing solutions** like Microsoft Teams, Google Hangouts, Webex, Zoom etc.
- **Access rights management** capabilities to restrict actions on the board of individual members if needed

# MOTIVATION

The idea of an online whiteboard is to provide teams with a whiteboard on which they can work digital, from everywhere when they are online.

The purpose of a whiteboard is to visualize thoughts, concepts, write down ideas, explain and teach, plan and create in the group and many other things. Online whiteboards can be used for the same purpose as a real whiteboard, but without the limitations of a real whiteboard. The latter is limited by space, the number of things. This mini-project helped me in knowing much about this field and also different I got to know more about Python Libraries and Tkinter which I used to make GUI.

# TOOLS USED

Application Used: VS Code

Language: HTML,CSS,JS

Operating System: Windows 10

# **METHODOLOGY FOLLOWED**

IN THIS PROJECT I HAVE USED "HTML: CONTAINERS, CLASS, SECTION, CSS AND JAVASCRIPT" IN A VERY SIMPLE WAY TO CREATE A DRAWING BOARD WHERE I CAN DRAW WITH THE CLICK OF MY MOUSE.

# **CONCLUSION**

The program was successfully complied and run in the IDE.