

ACROPOLIS INSTITUTE OF TECHNOLOGY AND RESEARCH

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Digital White Board

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ABSTRACT

This Project is developed keeping in mind the effect of the pandemic situation on our educational system. As Everything is going online so we decide to make this project which can be used by teachers to teach there students online easily.

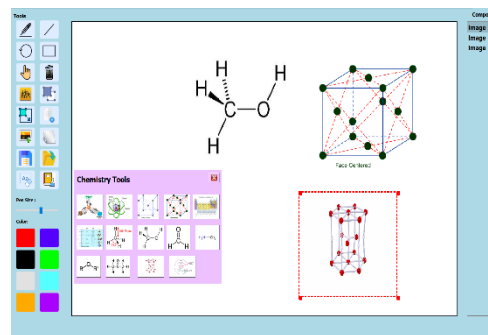


INTRODUCTION

Digital White Board is a desktop application build qt 5.14.2 using C++. This application will provide various features like drawing shapes (such as a line , rectangle , circle) , a freehand tool for writing grouping/ungrouping of shapes drawn , inserting images, clearing the canvas ,save/open files that are drawn on the canvas. It can be used in a variety of settings, including classrooms at all levels of education, in corporate board rooms and work groups, in training rooms for professional sports coaching, in broadcasting studios, and others.

OBJECTIVES

- There will be a virtual white board available on which user can write and draw with the help of free hand tool.
- There will be a feature to draw shapes such as circle , rectangle and line.
- There will be a feature by which user can select the drawing components.
- There will be a feature of drag and drop by which user can move components.
- There will be a feature of resizing components.
- There will be a feature of inserting images on virtual board and also have feature of clearing the virtual white board canvas.



RESULTS

There are several tools available such as paint , google meet and zoom for digital education which contains pen with different colors and sizes can insert images and shapes but they also comes with some disadvantages such as these tools does not contains subject specific teaching assistance.

METHOD AND MATERIAL

C++ is the basis of the program that we wrote. For Graphical User Interface we are using QT which is tool used for creating GUI.

OPERATING SYSTEM :

Program is tested on Windows OS.

SOFTWARE REQUIREMENTS:

1. Windows 7 or higher.
2. QT
3. Visual Studio Code
4. C++ compiler (G++)

HARDWARE REQUIREMENTS:

1. Processor —Core i3
2. Hard Disk — 160 GB
3. Memory — 256 MB Of RAM

CONCLUSION

Now coming to the end of the presentation, the digital white board developed is much more handy , easier to use for almost everyone , and for nowadays it has become a necessity for the society as it requires less time and less hard work to become knowledgeable. But every good thing comes with a limitation and in this application it is screen recording, but we will overcome this in a very short period of time.

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