

Open Source Graphics & Animation Tools

MID-SEM EVALUATION MARCH 2020

Submitted to

**Dr. Durgansh Sharma
Professor, Cybernetics SCS, UPES**

Submitted By

Name: Varun Tandon

Roll No: 65

SAP ID: 500068131

**B. Tech CSE (OSSOS)
Department of Cybernetics
COMPUTER SCIENCE & ENGINEERING**



**School of Computer Science
University of Petroleum and Energy Studies,
Dehradun – 248007: Uttarakhand**

Table of Contents

| | |
|---|----|
| PHASE 1: GIMP | 3 |
| TOPIC: QUANTUM COMPUTER | 3 |
| ABSTRACT INFORMATION:..... | 3 |
| PROCEDURE | 3 |
| QUESTIONS/ANSWERS:..... | 6 |
| Effect of different Channels on my work | 7 |
| FINAL OUTCOME:..... | 11 |

PHASE 1: GIMP

TOPIC: QUANTUM COMPUTER

ABSTRACT INFORMATION:

Number of Layers Used:27(Including text layers)

Font used in text: TIMES NEW ROMAN

Kerning in text: 0.0

Leading in text: 0.1

Tracking in text: 0.2

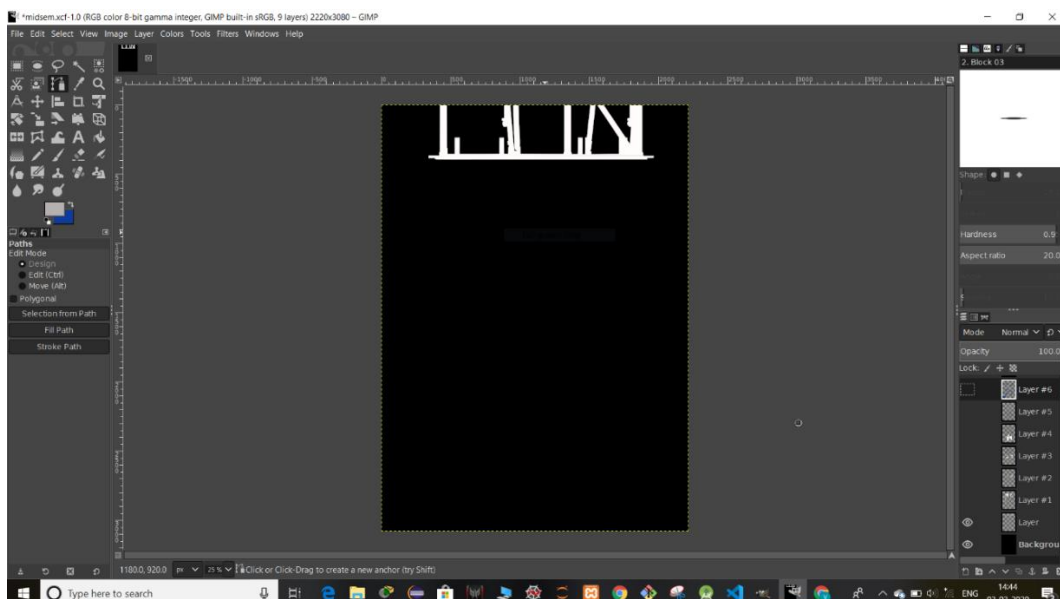
Text Size: 36-38

Text Colour: White

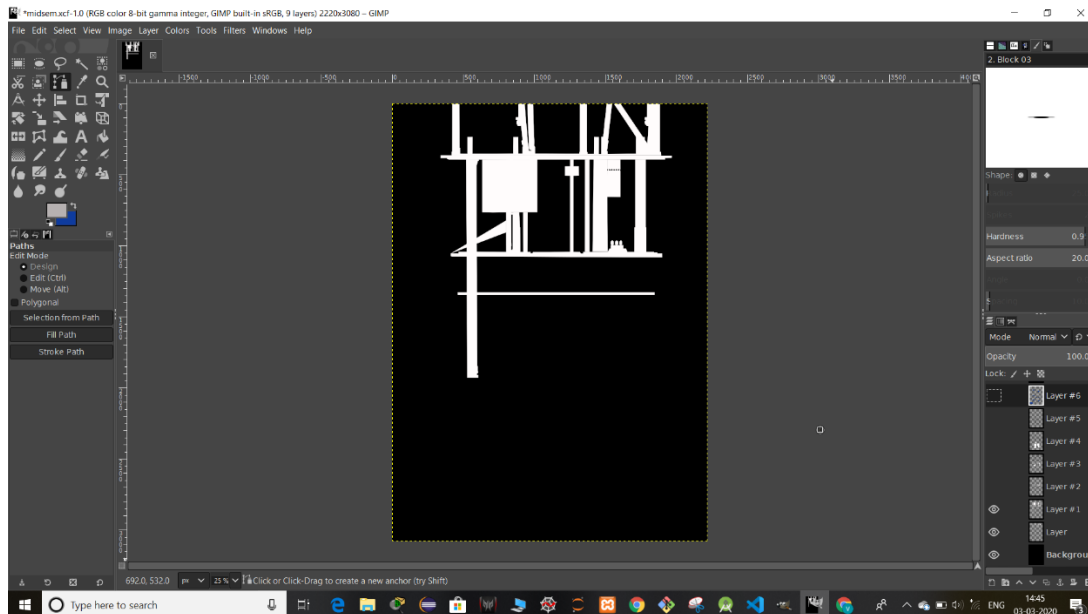
Text Opacity: 100%

PROCEDURE

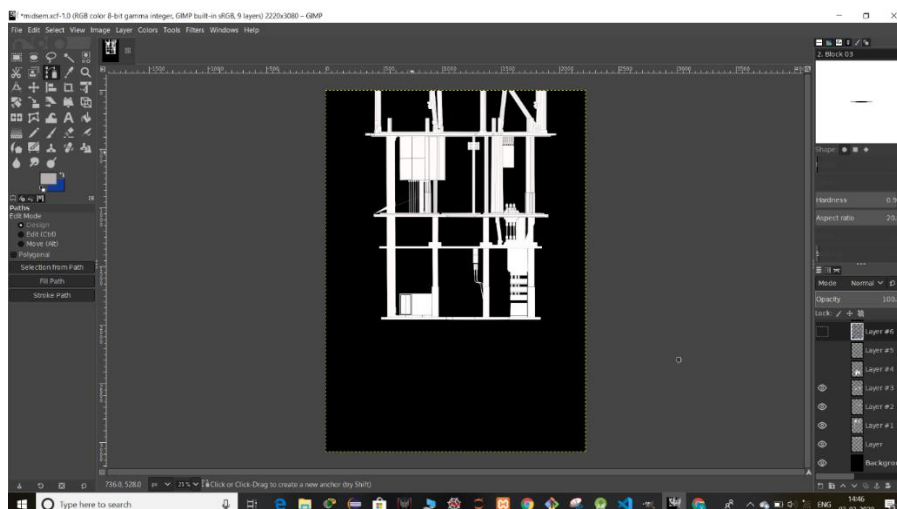
1. Use 2220*3080 Canvas with black background colour.
2. Now add new transparent layer using option new layer



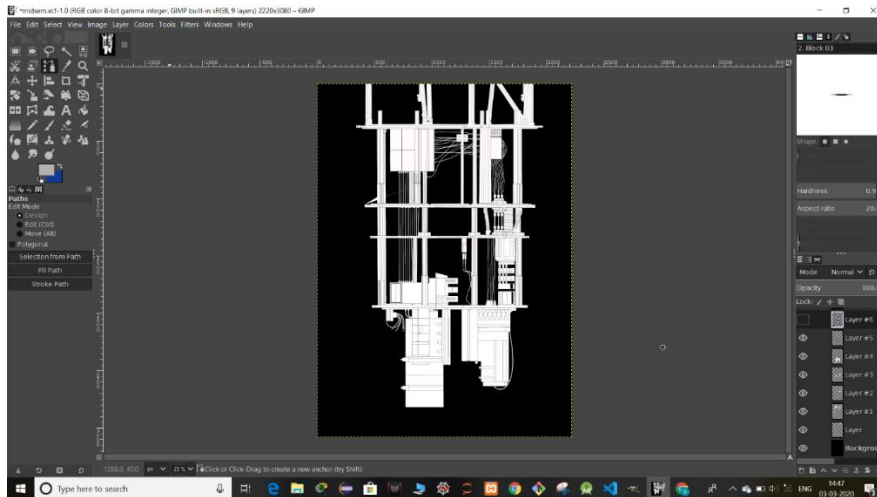
3. Now open your reference using open as layer.
4. Now using the path tool trace out portion by portion (1/5 of the reference).
5. After the trace is complete go to layer then right click and use fill path to fill it with foreground or background colour.



6. Create a new layer.
7. Now using the path tool trace out portion by portion (2/5 of the reference).
8. After the trace is complete go to layer then right click and use fill path to fill it with foreground or background colour.

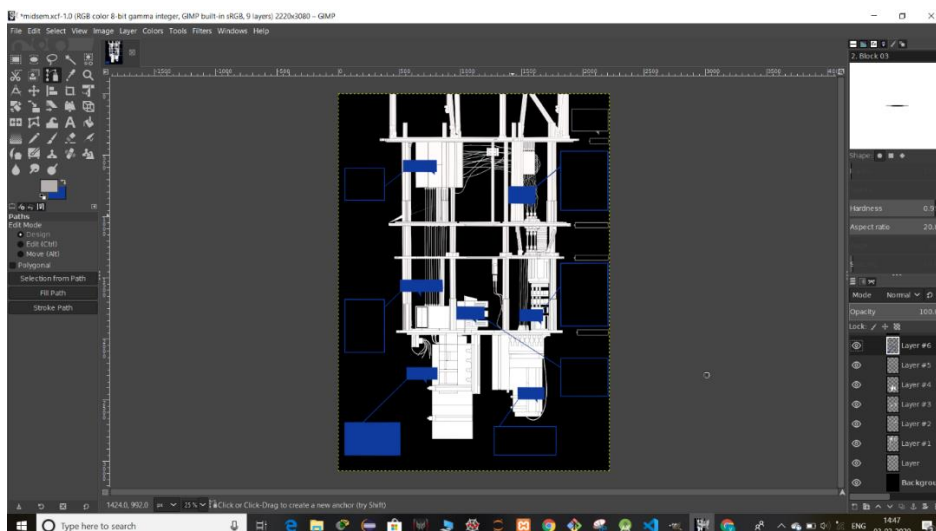


9. Repeat the step 6, 7, 8 again with a new layer (for 5 layers).



10.To Stroke the wires and other structure use the stroke tool and adjust the Line width accordingly.

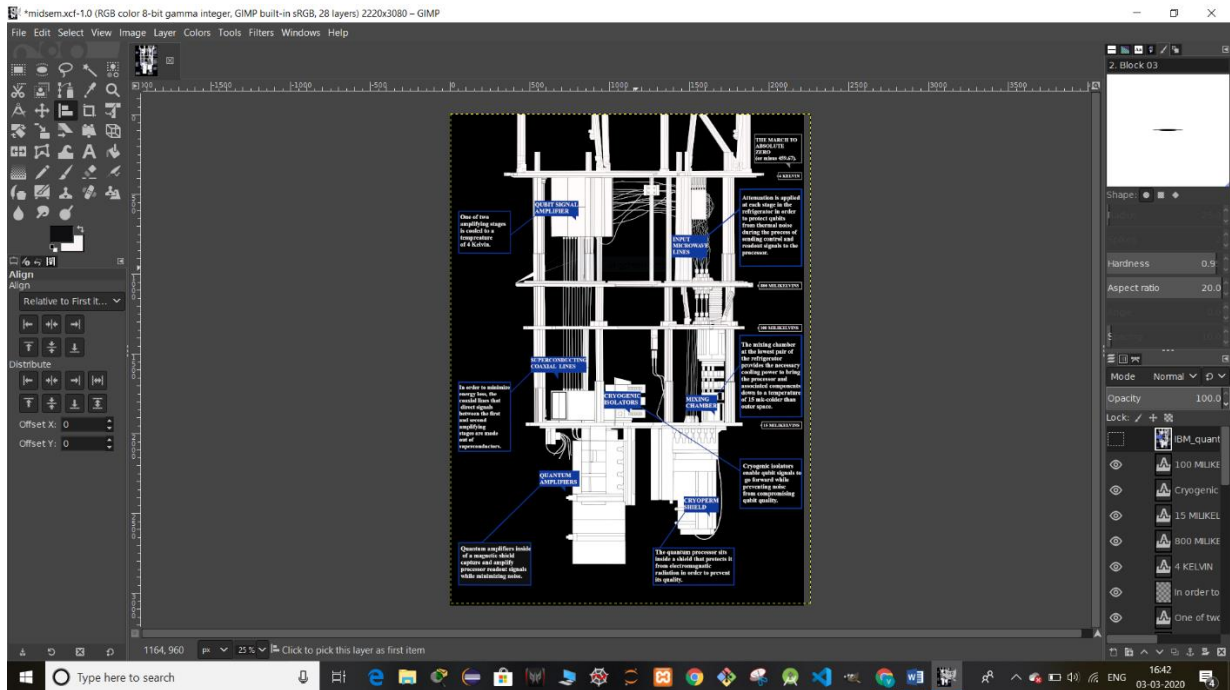
11.Use line width wisely.



12.Now add another layer and Create Labels Using the path tool and fill colour.

13.Here the colour used is Royal blue (1440a0) as labels must be eye catchy.

14.For the text representing cooled temperature of the Quantum computer we used grey colour.



15. For writing the text we used the text tool

- Font used in text: TIMES NEW ROMAN
- Kerning: 0.0
- Leading: 0.1
- Tracking: 0.2
- Text Size : 36-38
- Text Colour: White
- Text Opacity: 100%

QUESTIONS/ANSWERS:

Question-: Why Used Royal blue for the text box?

Answer-:

In my project most of the work is made with just black and white strokes for the text part I need to get the attention of the person who is watching and for that Royal Blue is the one that suits my work as well take the attention of the person towards the text written in the blue boxes.

Question-: Why used grey colour for some specific boxes?

Answer -:

For some of the boxes I have used grey colour as these boxes are representing how cool is the temperature of that part of Quantum computer is and that should be represented by a colour that soothes our eyes.

Question-: Why used Times New Roman?

Answer-:

The reason for using times new roman is that it is bold and comes in the category of serif and is used in newspapers to fit most of font so I used it as I want to fit most of the text in the box and also don't want to mess up the text and for that purpose times new roman is best suited.

Question-: Why and how much kerning, tracking and leading is used?

Answer-:

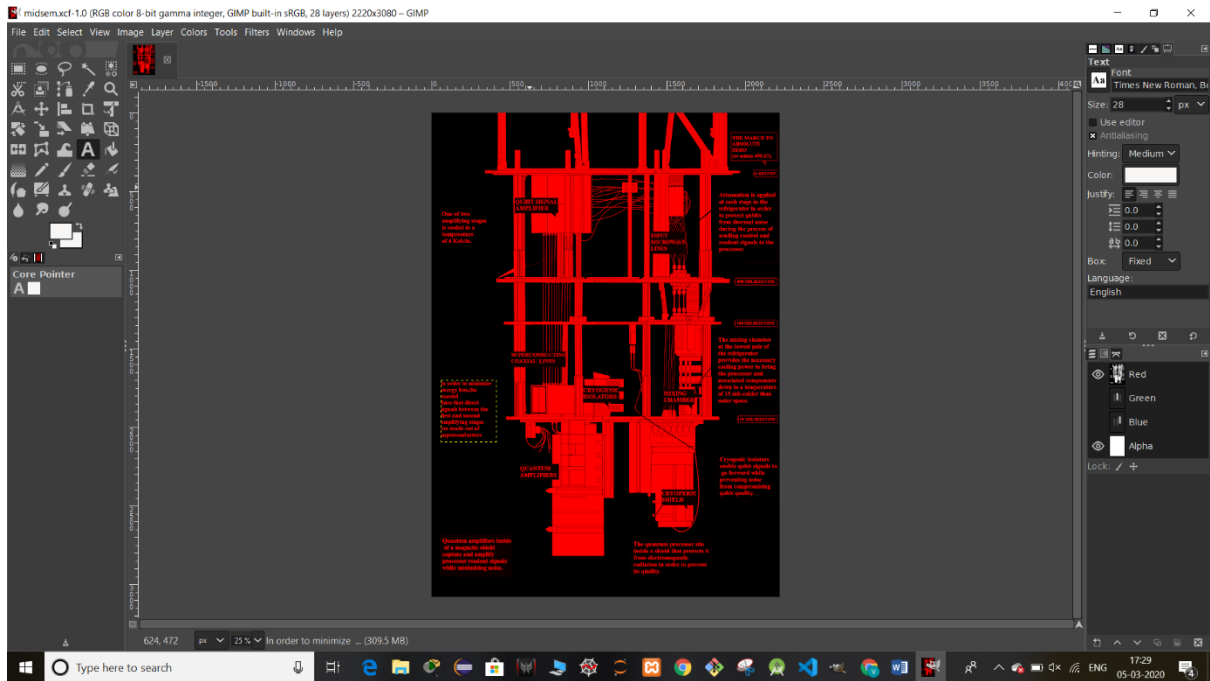
Kerning Used :0.0 as I don't want to reduce the horizontal space nonuniformly.

Tracking Used:0.2 so to do uniform reduction of space between characters to fit things in the defined box.

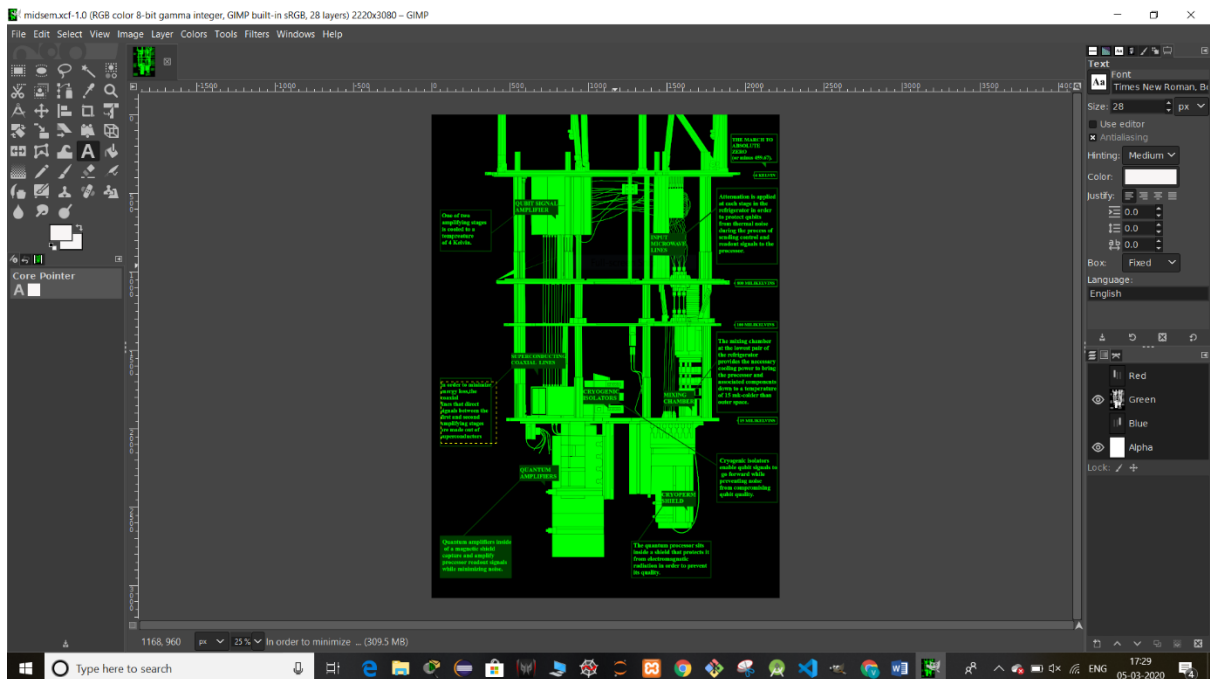
Leading Used:0.1 to increase the vertical space between the lines a little bit.

Effect of different Channels on my work

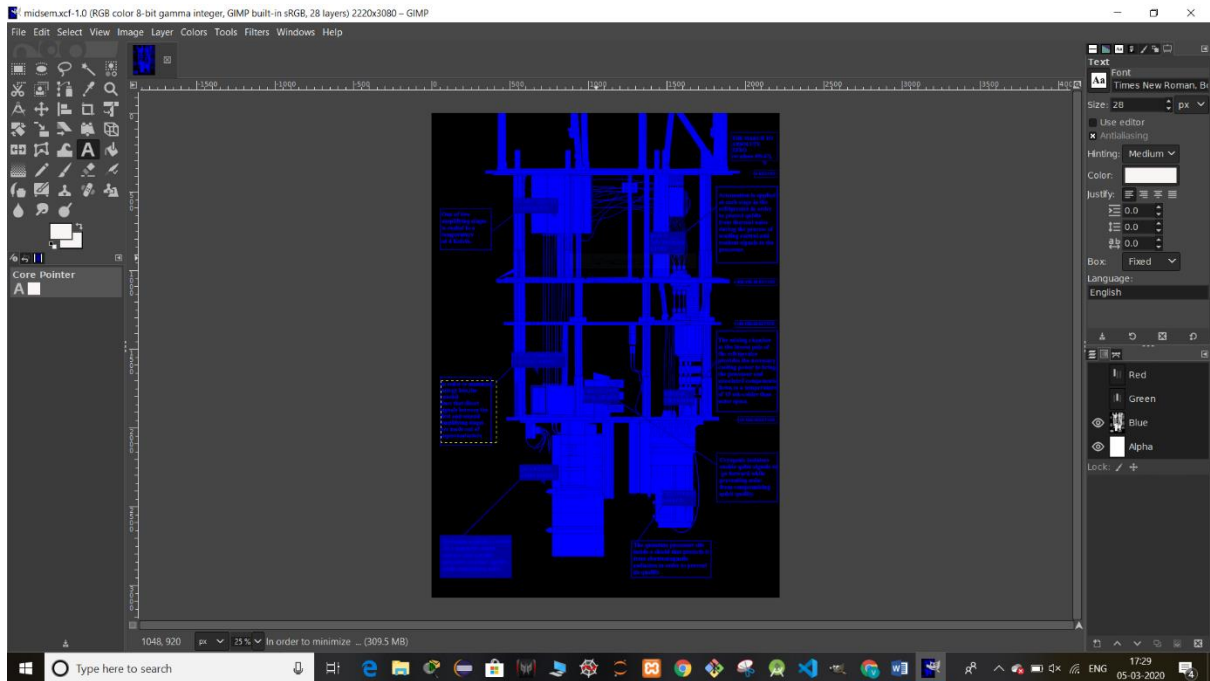
Effect of Red:



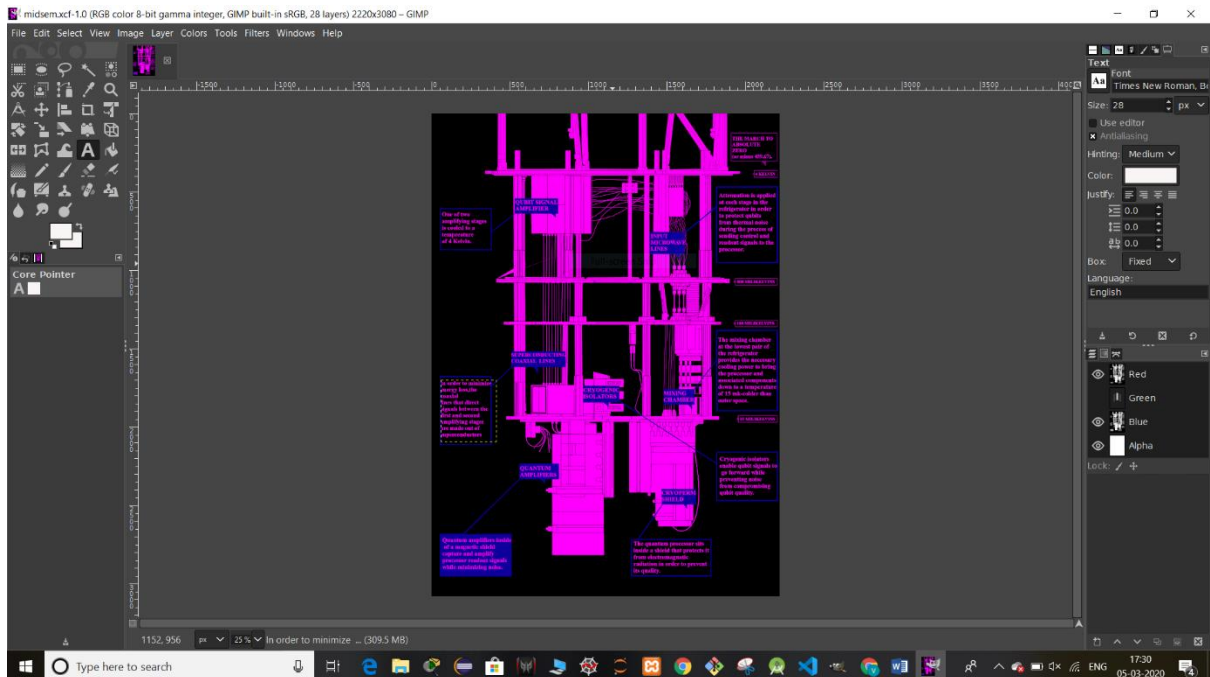
Effect of Green:



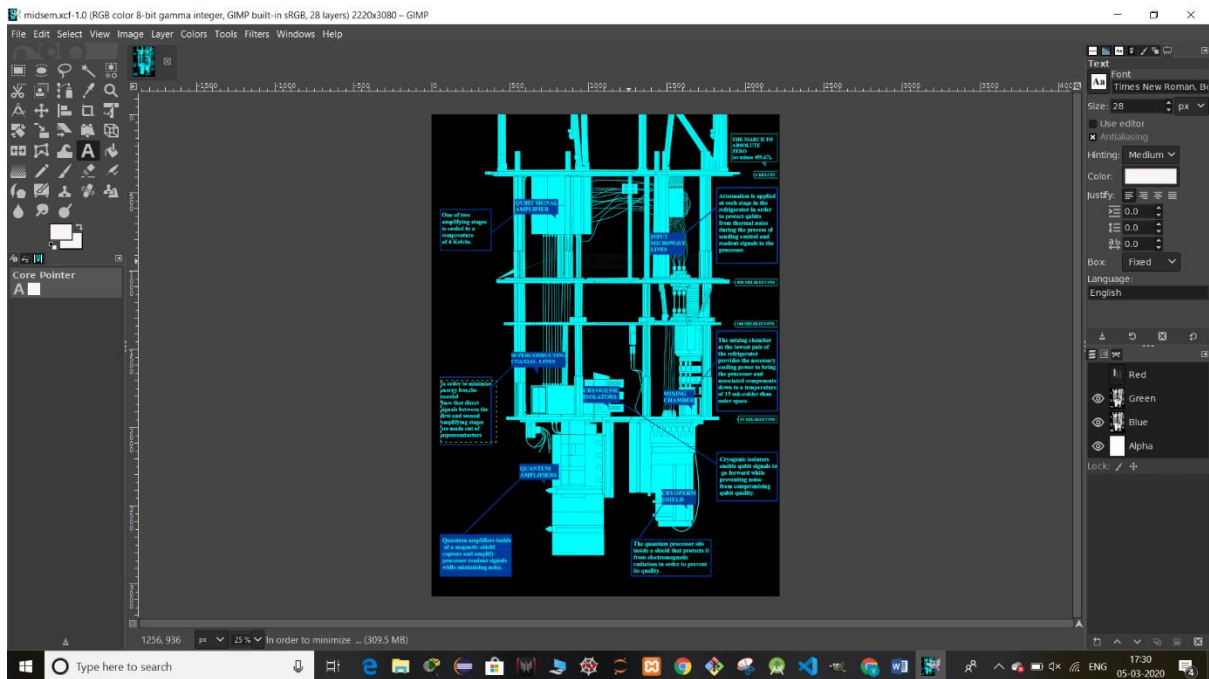
Effect of Blue:



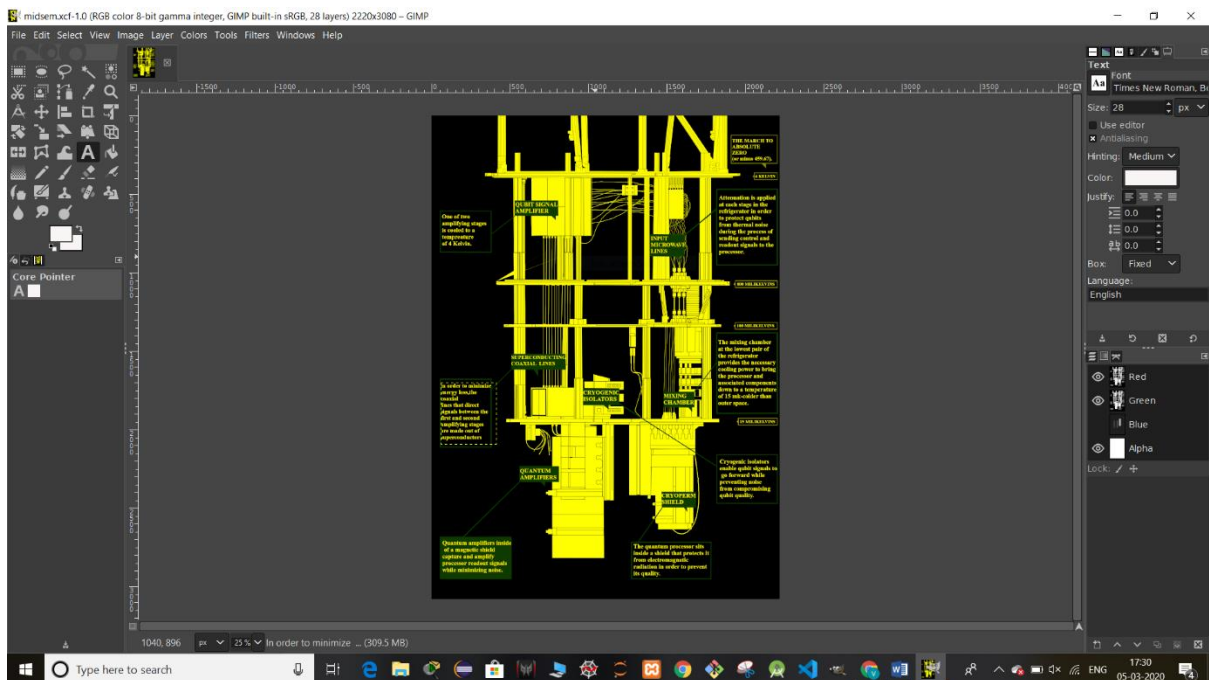
Effect of Red and Blue



Effect of Green and Blue



Effect of Red and Green



In my opinion the combination of green and blue that is cyan is best suited for the Quantum Computer as Quantum Computer works on

very low temperature that is even lower than the space and is lowest temperature achieved by the humans and this color makes eyes cool.

On the other the worst to be used is red as red indicates danger and high temperatures and is opposite of what a Quantum Computer is.

Blue make everything messy and is itching in eyes in my project.

The rest of Combinations are fine.

FINAL OUTCOME:

