

Department of CSE

SSN College of Engineering

Vishakan Subramanian - 18 5001 196 - Semester VII

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UCS 1712 - Graphics And Multimedia Lab

Exercise 11: Image Editing and Manipulation

Aim:

1. Using GIMP, include an image and apply filters, noise and masks.
2. Using GIMP, create a GIF animated image.

Input: Base Image

Figure 1: Base Image.



Output: Filter - Vignette

Figure 2: Filter: Vignette



Output: Filter - Lighting

Figure 3: Filter: Lighting



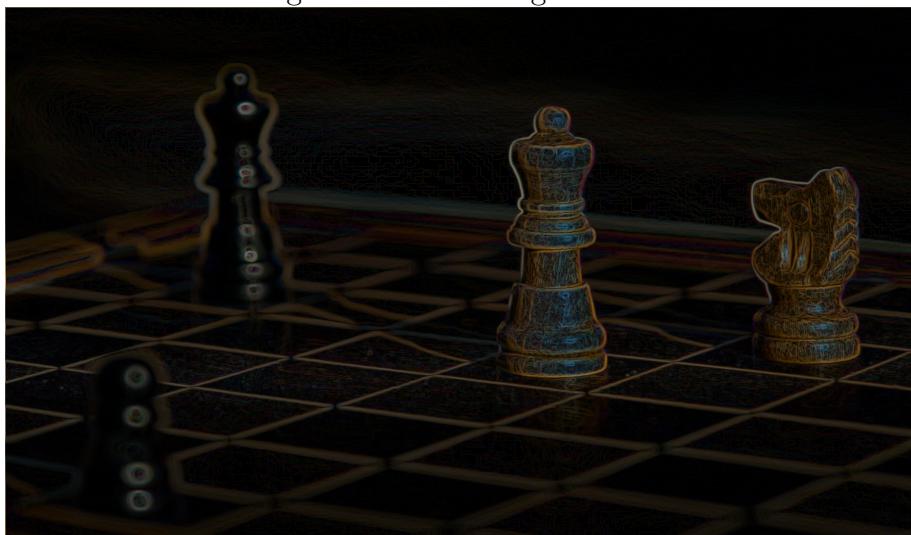
Output: Filter - Gaussian Blur

Figure 4: Filter: Gaussian Blur



Output: Filter - Edge Detect

Figure 5: Filter: Edge Detect



Output: Filter - Cartoon

Figure 6: Filter: Cartoon



Output: Noise - RGB Noise

Figure 7: Noise - RGB Noise



Output: Noise - CIE Noise

Figure 8: Noise - CIE Noise



Output: Noise - Hurl Noise

Figure 9: Noise - Hurl Noise



Input: Base Image

Figure 10: Base Image.



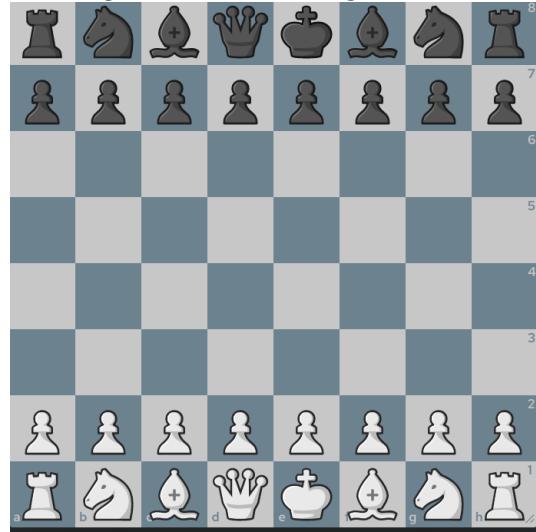
Output: Layer Mask

Figure 11: Layer Mask.



Input: GIF Image - First

Figure 12: GIF Image - First.



Input: GIF Image - Last

Figure 13: GIF Image - Last.



Learning Outcome:

- I learnt how to use the basic tools of **GIMP** like the **Paintbrush, Free Select, Rectangular Select, Eraser, Fill** etc.
- I understood how to **apply filters** to an image using GIMP.
- I learnt how to **apply noise** to an image using GIMP.
- I understood how to use **layer masks** to highlight specific areas of an image.
- I learnt how to create a **GIF Image** from a set of static images using GIMP.
- I understood how to control the **playback speed** of each image in the GIF.
- I learnt how to export the edited images/GIF from the GIMP editor to my computer.
- I learnt about different filters like **Lighting, Gaussian Blur, Vignette** etc.
- I also learnt about different types of noise like **RGB Noise, CIE Noise, Hurl Noise** etc.
- I learnt how to convert images to **grayscale** in GIMP.