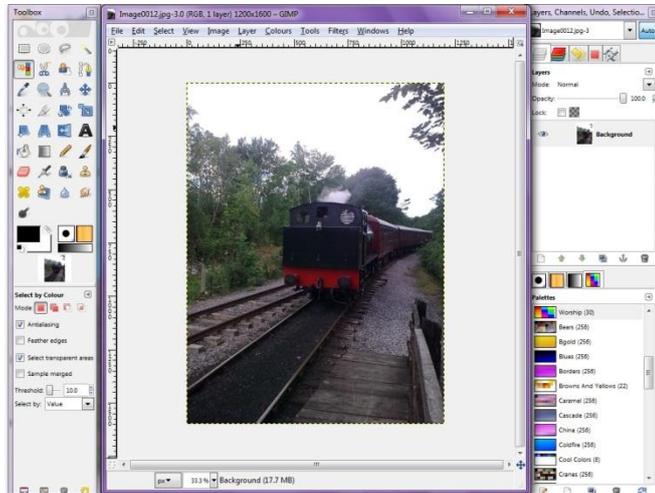
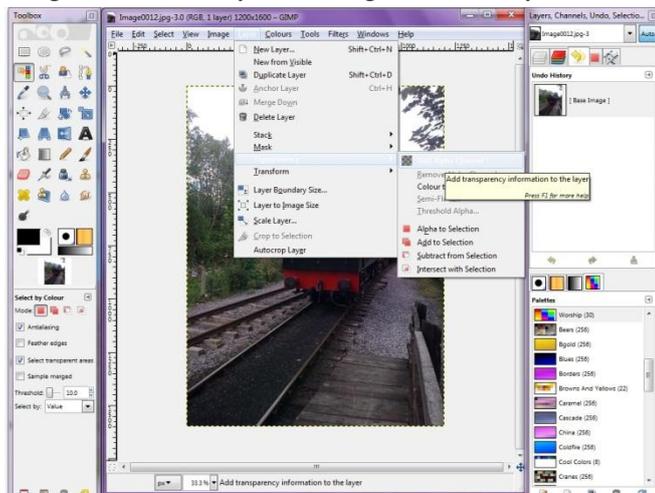


Photograph to Indian Ink Style Painting

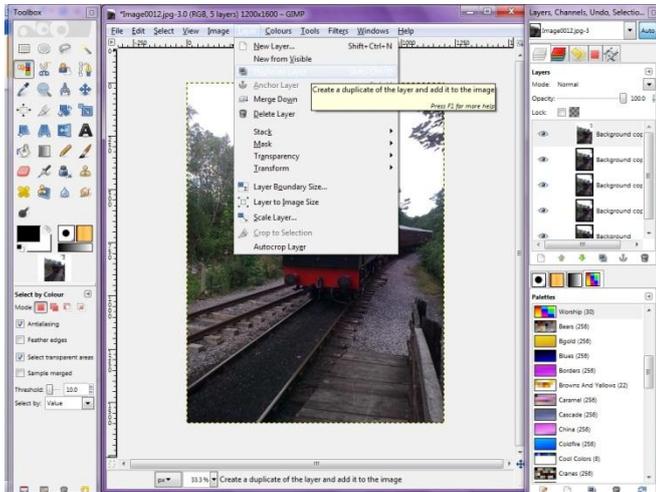
I. Load desired image into gimp.



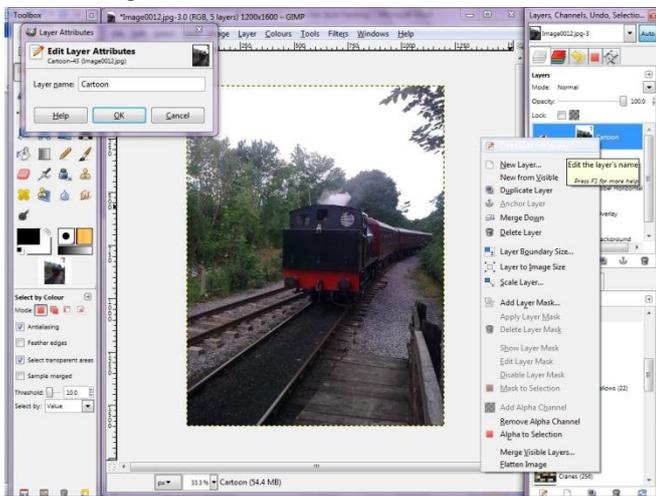
II. Add transparent channel to layer by Layer>Transparency>Add alpha Channel



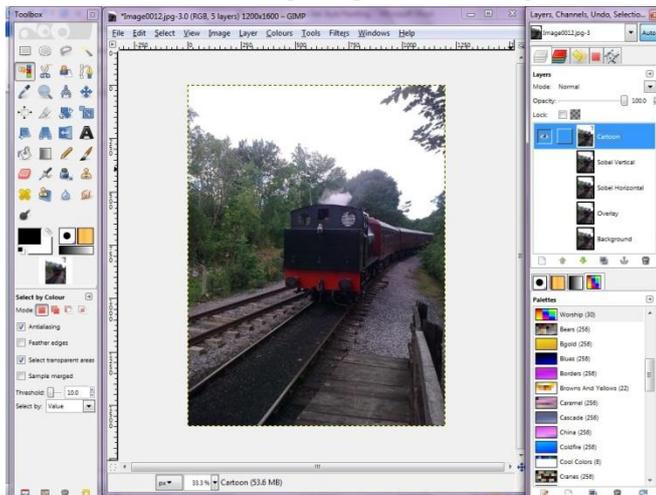
III. Next go Layer>Duplicate Layer and repeat 4 times, you should now have 5 layers showing in the layers Dialogue window.



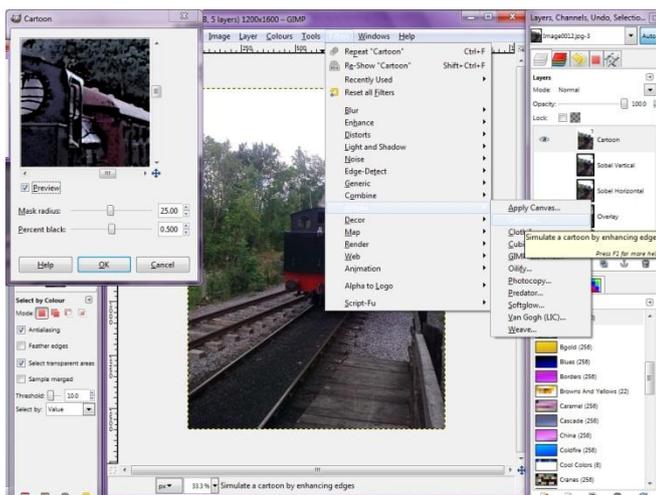
IV. Rename Layers by Right clicking on desired layer and selecting Edit Layer Attributes, this open up a new window where you can rename Layer, Name Layers from top to Bottom as Cartoon, Sobel Vertical, Sobel Horizontal & Overlay.



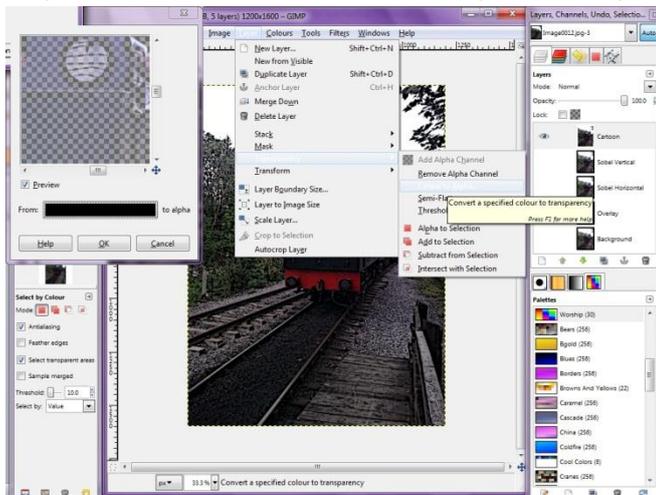
- V. Next deselect all Layers apart from the top layer Named Cartoon and Highlight this layer.



- VI. Next go Filter>Artistic>Cartoon, This opens up the Cartoon window, Set Masked Radius > 25 and Percent Black to 0.500 then click OK.

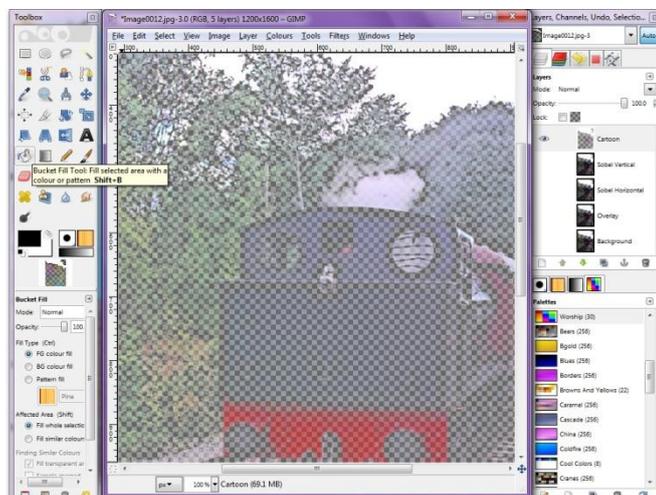


VII. Still on Cartoon Layer go, Layers>Transparency>Colour to Alpha set colour to Black (000000), Then Click OK.

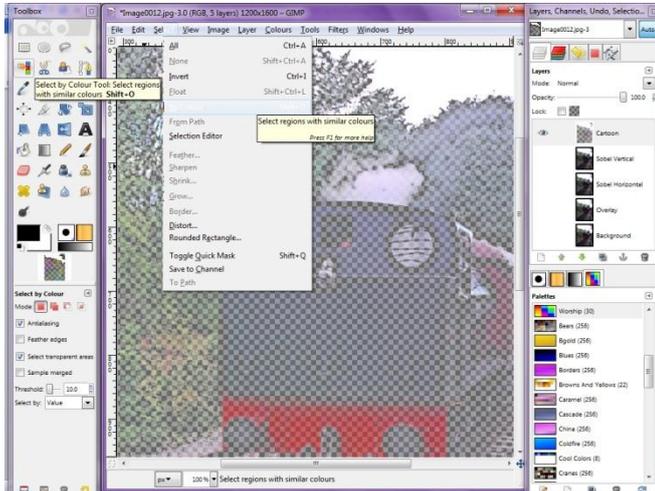


VIII. Depending on size of Image the next few steps can be quite slow.

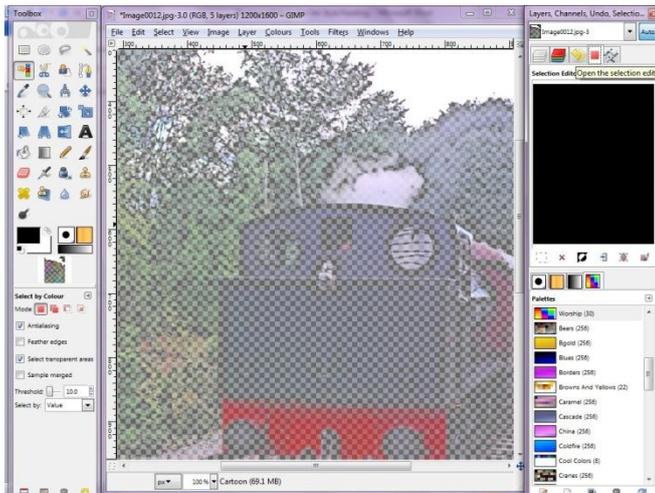
IX. First Make sure Foreground colour is set to Black and Bucket Fill tool is set to Fill>Foreground and Affected area>Fill Whole Selection.



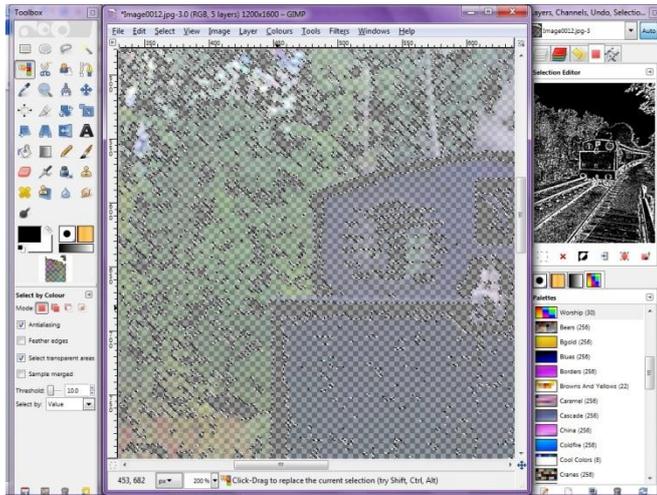
- X. Either Click on the Colour selection tool or go **Select>By Colour**, Make sure the settings for select by colour are, **Mode>Replace Current selection** and that the only boxes checked are the **Antialiasing** and **Select Transparent areas** also set **Threshold** to 10 and change select by to **Value**.



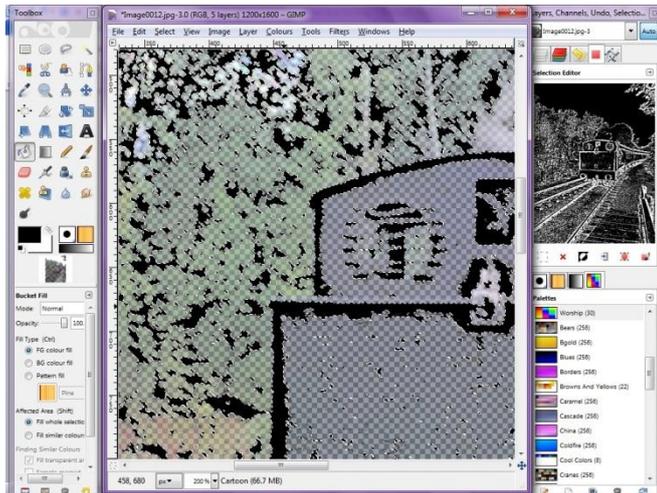
- XI. Open the Selection Editor window.



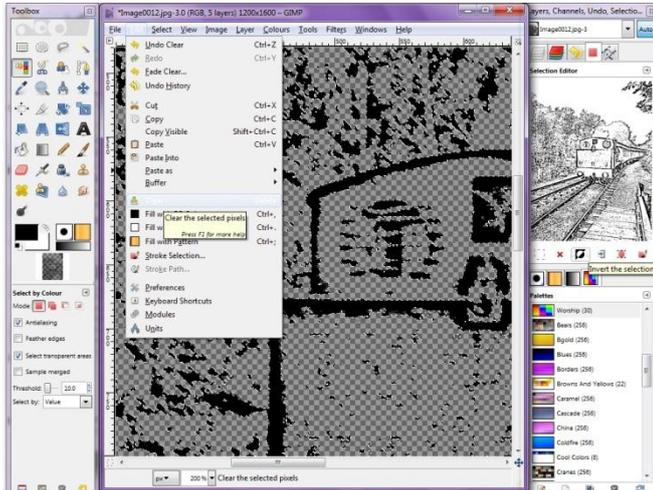
XII. Zoom in on image and Left click on a pure transparent part of the Layer.



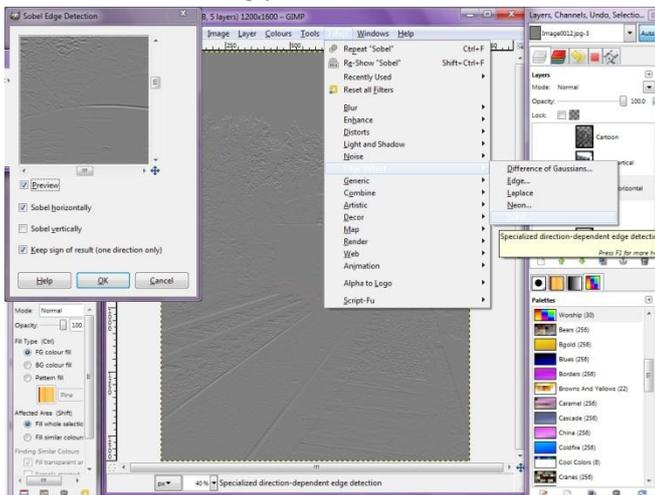
XIII. Select the Bucket Fill Tool and fill Selection with Black.



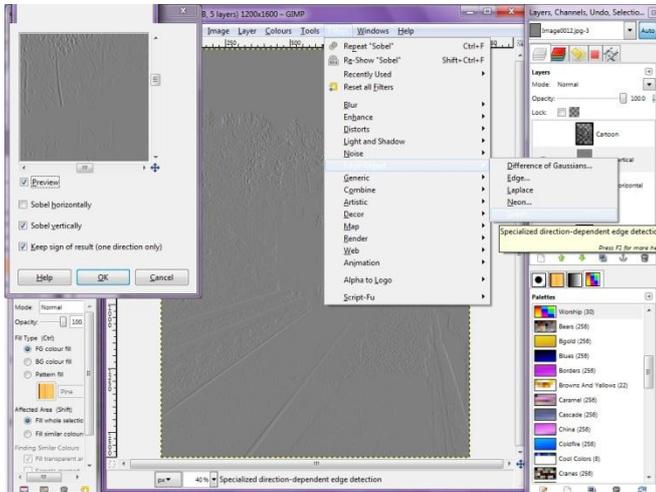
XIV. On Selection Editor Window left click the Icon to Invert selection, Then Either press the Delete Key on your keyboard or go Edit>Clear. Then delete selection by clicking on the Red Cross in the Selection Window. This should leave just a black outlined Image, so Change Layer Name to Black Outline.



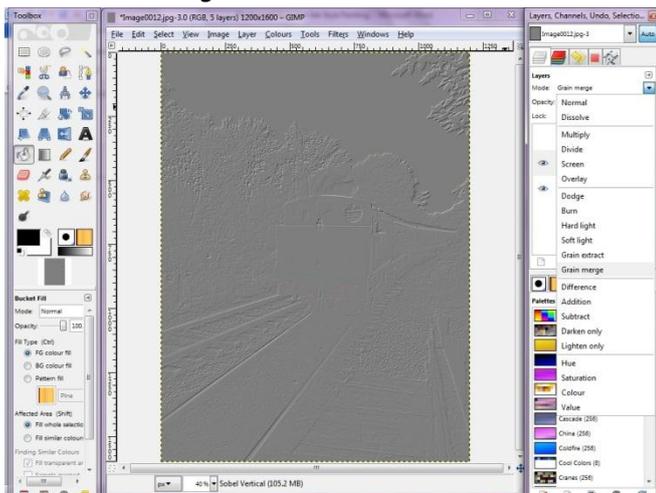
XV. Deselect Black Outline and Select Sobel Horizontal Layer, Highlight Layer, then Go filters>Edge detect>Sobel, Check Boxes Sobel horizontally and Keep Sign of result (one Direction Only), Then Click Ok.



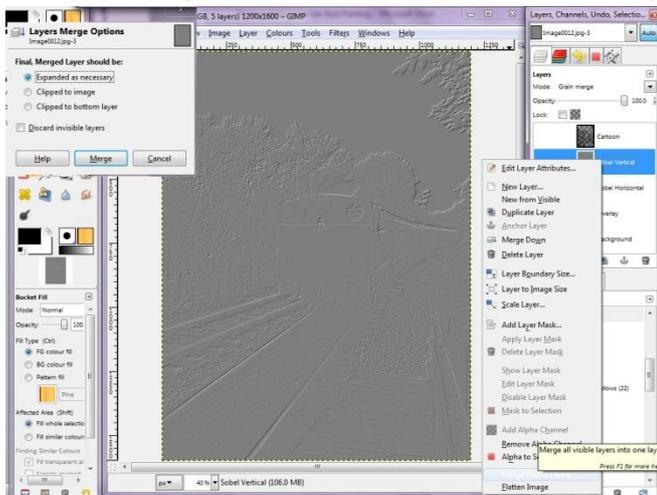
XVI. Select and Highlight Sobel Vertical Layer, then go filters>Edge detect>Sobel, Check Boxes Sobel Vertical and Keep Sign of result (one Direction Only), Then Click Ok.



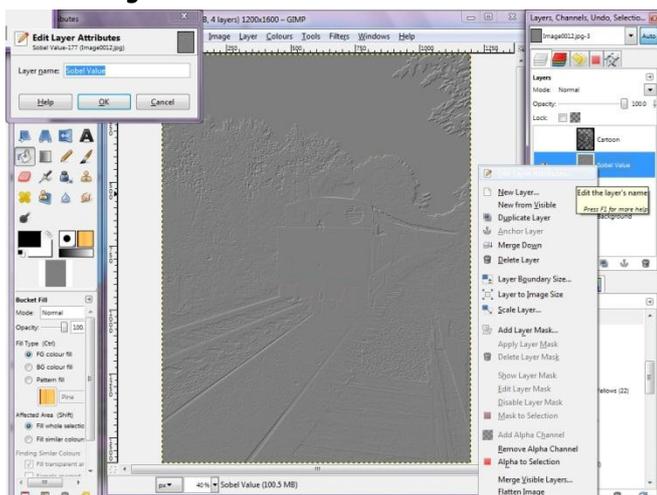
XVII. Still with Sobel Vertical Layer Highlighted Change Layer Mode in Layers Window to Grain Merge.



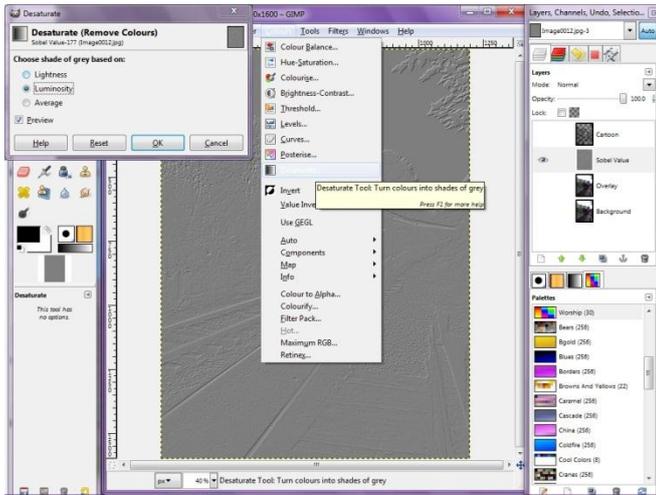
XVIII. Then Right Click on Sobel Vertical Layer and select Merge Visible Layers, A new window will open just click Merge.



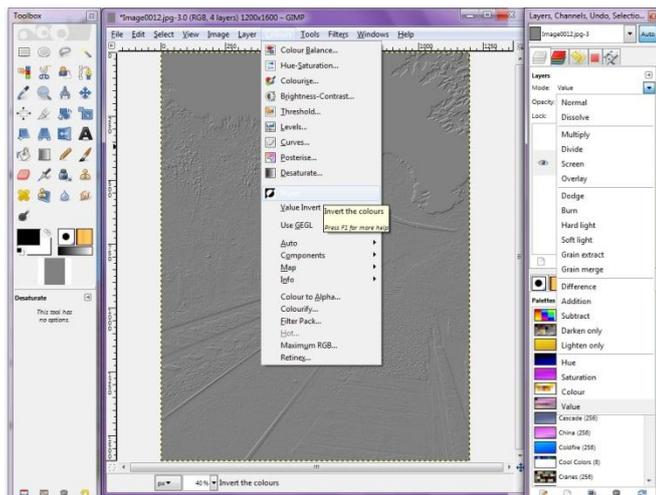
XIX. Both Sobel Layers have merged into one Layer so rename this Layer to Sobel Value.



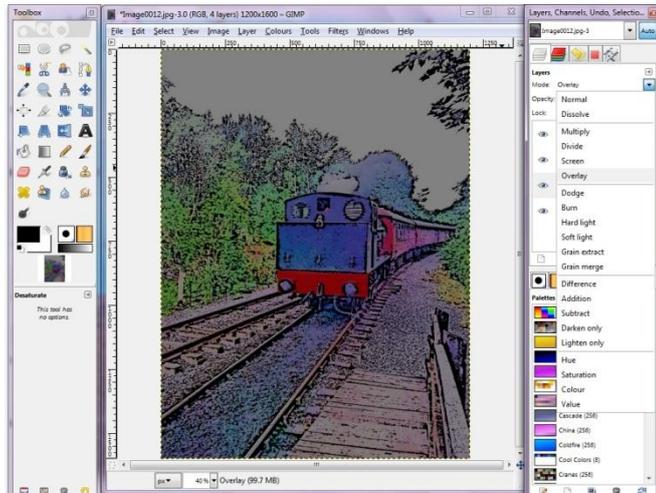
XX. With the Sobel Value Layer Highlighted go Colour>Desaturate, Check box Luminosity then click ok.



XXI. Then Go Colour>Invert and finally change Layer Mode to Value.



**XXII. Select all Layers and Highlight the Layer Named Overlay
Change Layer Mode to Overlay.**



**XXIII. This should complete your Photograph to Indian Ink Style
Painting.**



Additional Note

- i. If you need less black in the Image then try reducing the Cartoon filter Values, A preview image is available to help assist in the settings.
- ii. If you need more black in the image then try increasing the Colour Selection Tool threshold to 25, Or increase the Cartoon filter Values.

- iii. If you have an image with lots of pure black, pure grey and pure white then the above will not work to well as the Sobel Value Layer will neutralize all Blacks, Grey and Whites to a mid-tone grey. You could try having all layers selected then going Edit >Copy Visible then Edit>Paste As>New Layer. Bring new layer to top off Image and make sure its selected then go Layer>Transparency>Colour to Alpha set Colour to 808080. Next select the Colour Selection Tool and change threshold to 25 and select the transparent part of the Layer. Deselect New Image Layer and Highlight the Sobel Value Layer then go Edit>Clear, and then close your selection.

- iv. Finally as you can see in the sample image, Sky can become a little dark, On the image I've tried I have deleted the Sky and replaced it with a blue colour 00c7ff and a white cloud rendering, I've not gone into details of how to do this in the above tutorial, as there are lots of different ways to remove a section of an image and a lot depends on what type of image you are working on as to the best way forward. But if you do change the sky then you will need to delete on the Sobel Value Layer that section you have changed. See Example Below.

