

ENPM 809T (Autonomous Robots) HW- 3

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Link to the uploaded YouTube video :- [Mavericks going green](#)

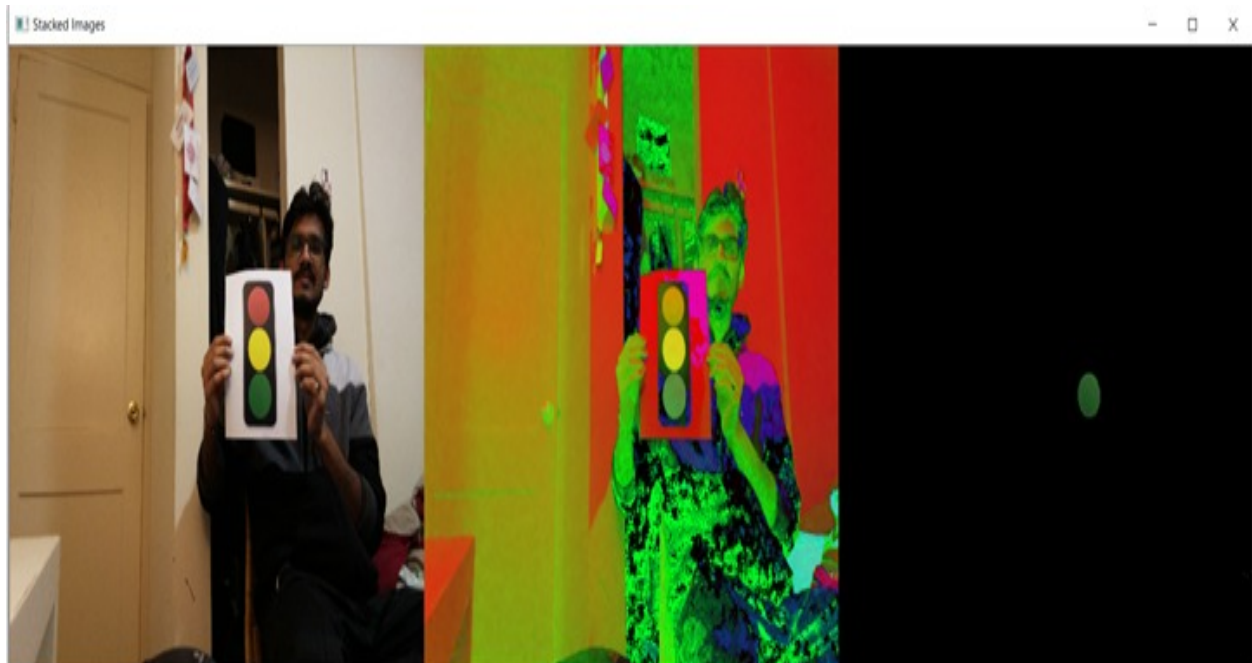
Images :-

The below image depicts 3 various images including RGB, HSV and masked image. All the images were stacked using `np.hstack` function

During the Process, we have found difficulties in decreasing the noise from the surroundings using the Dilate and erosion functions

As there are small counters generated on the top of green image we leveraged it using the counter area and `cv2.polydpfit`.

With the resolution of image being low, the video quality that detects the color is not upto the mark, This can be done with the higher resolution cameras. NVIDIA jetson nano would be the best fit.



Step 5:

The Plots for histogram and the data for visualization are plotted below using matplotlib library.

