ABSTRACT

Computer Vision is a field that includes methods for obtaining, processing, analyzing, and understanding visual data such as images and video. The main purpose of Computer Vision is to allow the computer or machine to mimic the ability of the human eye and the brain, or can even surpassing it for a particular purpose. One of the related to Computer vision is image processing. In today's modern era, many people who use social media, on social media itself, are many people sharing images and videos with each other. But because of the many who access social media, we can't control what images are on social media. Images that are shared on social media can be both positive and negative. Therefore to control the images that are logged on social media we can use the image processing using RGB(Red, Green, Blue) and HSV(Hue, Saturation, Value) algorithms.

There are many methods for image processing, but here we use RGB and HSV algorithms. With the use of RGB algorithms, we can take colors of the primary colors of red, green and blue. While the HSV algorithm uses a nonlinear color, each element has a separate color space, making it suitable for image processing.

For the implementation of the website, users can upload an image to be detected, then the system will measure the RGB color obtained into HSV. The system will place the skin part on the image and black out the non-skin part of the image in the masking process in the system.

Keywords: *Computer Vision, Image Processing, RGB, HSV*