

# IMAGE DEHAZING APPLICATION

## Abstract

Visibility Restoration of single hazy images based on, Colour Analysis and Depth Estimation on Bi-orthogonal Wavelet Transform with Enhanced refined transmission, we proposed an effectively local similarity based adaptive wavelet fusion method for reducing blocky artifacts, which is the major novelty of this work , performance of proposed dehazing method is evaluated on a series of hazy images and compared with several well-known single image dehazing methods.

Estimate the dark channel prior based on average. Estimate the value of Air light based on standard deviation (which is a result of standard deviation of RGB haze image and HSV color space haze image), we suggested many rules based on experiments. We suggested to enhance the contrast by local contrast for (V) channel in the HSV color space. Results was very promised visually and by using some quality metrics.

Note : Call for Final year engineering project ask for detailed synopsis for CSE students

**Shield Technologies**

#2232, 3<sup>rd</sup> floor, 16<sup>th</sup> B cross, Yelahanka new town, Bangalore-64

Phone: 9972364704 / 08073744810