

Image Process Final Project

Shape Detection

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First we make segmentation to the colored image by converting y=the image to gray level then applied edges enhancement in order to find the name of the shape (we use different way to detect the shape), also we use it to find the center of shapes.

Then we use colored image in order to find the color take advantage of center point (we use the same function for all shapes).

The detection of each shapes will appear consecutively until every shape is detected as the name of shapes and its center coordinate also its color.

We divide the project according to the shape each one take shape (circle, rectangle, triangle) and do the request of each one.