Computing the size of Original Object Name : Sasidhar Evuru Net ID: sxe140630

Abstract - The main aim of the project is to calibrate the camera and interpreting the size of the unknown object placed at a same distance as the size of the known object.

Implementation – The sequence of steps followed are:

1. The image frame is grabbed form the video.
2. The calibration is done for the camera.
3. After getting the values of the focal length in pixels we calculate the Z(Distance of image from the camera) value with an object of known size.
4. Once the Z value is adjusted we place the unknown object at the same distance as the known object distance.
5. The images are dilated and eroded before the contour width and height are calculated using the rectangle.

Output

1. The Images displaying the original height and width of the object detected.