# Assignment 1: object detector training/testing in the OpenCV

In the Opencv, it provides object detection solutions to train the object detector. In this homework, you need to train your object detector using the OpenCV. The object can be anything you are want to train, such as dog, traffic sign, car, etc.

1. Collect a database of positive samples and a database of negative samples.
2. Mark object by objectmarker.exe
3. Build a vec file out of positive samples using createsamples.exe
4. Run haartraining.exe to build the classifier.
5. Run performance.exe to evaluate the classifier;

# Assignment 2: hand gesture development using the IR sensors.

# Assignment 3: video summarization for home surveillance;

# Assignment 4: object obstacle detection using the rear view camera

# Assignment 5: creating the panorama using the opencv.