CV ASSIGNMENT 11

Q1) regional proposals aim to find out regions with objects in an image.

Q2) NMS selects single entity out of multiple overlapping entities based on probability.

Q3) mean average precision measures the robustness of object detection models.

Q4) FPS gives the frequency with which consecutive images are captured or displayed.

Q5) IOU quantifies degree of overlap between bounding boxes based on ratio of overlap.

Q6) PR curve has precision on y axis and recall on x-axis. This helps in selecting models with high precision and recall.

Q7) selective search is hard coded library. It proposes regions which may contain objects in an image. It was used in rcnn. It proposes based on colour, shape, texture etc.

Q8) region proposal layer, vgg/Alexnet (pertained network), convolution layers, fully connected layers - rcnn architecture.

Q9) identifying the location (pixels) of an object in an image.

Q10) slow due to region proposal before convolution, poor search based on hard coded library instead of neural networks etc.