Bonus Assignment on Object Detection (Marks = 5)

Submission Deadline: 15th April 2022 (No extensions will be given).

The goal of this assignment is to get familiarized with the available object detectors.

1) Choose one object detector from the group {RCNN, Fast RCNN, Faster RCNN).
2) Choose one object detector from the group {YOLO, SSD, MobileNet versions).
3) Choose around 4-6 images, which differ in their characteristics (scale, noise, content, etc).
4) Run the pre-trained models for the two chosen methods and qualitatively compare the results. Try to analyze where each of the methods works and where it fails.
5) Submit one-page report of the results and your observations.