**DS-328 Computer Vision**

Assignment # 3 Hand in date: 10/8/23

Spring 2023 Hand out date: 16/8/23

Individual assignment

**Topic: Object detection**

Apply YOLO object detection algorithm on one of the datasets of your choice.

Links of the datasets are given in lecture slides from book “Computer Vision Applications and Algorithms” by Szeliski.

You can also create your own dataset.

The objective of the assignment can be met by creating a dataset of your own. Even 50 images are enough. You must label them, go through the whole process step wise. Create a dataset for a certain purpose e.g. vehicle detection, people counting etc...

Your model should be able to detect multiple objects from one image.

I have shared a website link, please go through it.

Evaluate the performance of your model by calculating precision and recall values. You may also calculate the IOU score also.