Request suggestions form prof about:

1. Presentation 2 based questions:
   1. I have finished implementation in YOLO8, YOLO5, EfficientDet. Do you think more comparisons are required? Such as should I try SSD-Mobilenet too **(more the better)(**which is another single stage object detector). Also I am not touching Two stage object detector. Do you suggest, we can also use any one of the two stage OD to make our comparative analysis stronger? That will also help us to claim rigidly, that efficientdet performs better than other techniques.
   2. I am also trying to prove compared results with different metrics (do you want to suggest more):
      1. mAP (mean average precision)
      2. Confusion matrix
      3. F1 curve
      4. P curve
      5. R curve
      6. PR Curve
      7. ROC curve
      8. Size of learned parameters (in millions)
      9. Saliency Maps (GradCAM visualisation)

If you want to suggest any more evaluation metrics

* 1. Report based questions:
     1. Which format should I make report in? will IEEE be, ok?
     2. I have a plan to also submit abstract in a conference on 30 April. Would you please supervise (as author) me for this project to extend it to submission? For 30 April it’s just submission of extended abstract.

NOTES:

1. Whole list of under water datasets: <https://github.com/xahidbuffon/Awesome_Underwater_Datasets/blob/master/README.md>
2. <https://arxiv.org/pdf/2302.10645.pdf>
3. <https://universe.roboflow.com/brad-dwyer/brackish-underwater>
4. <https://openaccess.thecvf.com/content_CVPRW_2019/papers/AAMVEM/Pedersen_Detection_of_Marine_Animals_in_a_New_Underwater_Dataset_with_CVPRW_2019_paper.pdf>