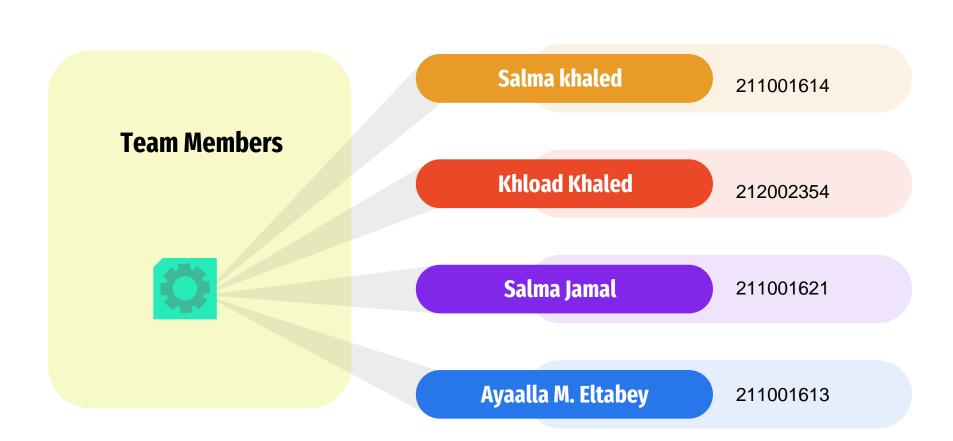
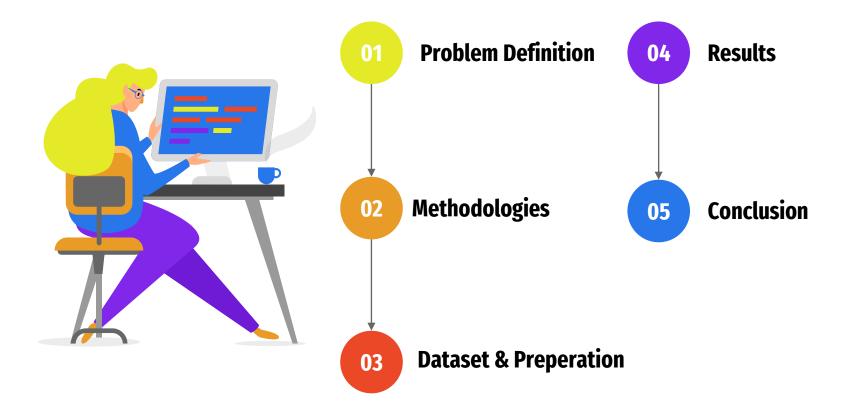


Semantic Segmentation **For Pedestrian** in Real Life



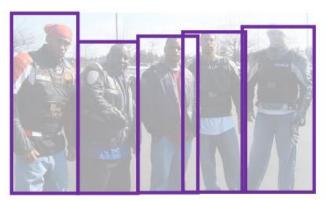
Contents

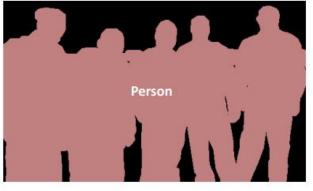


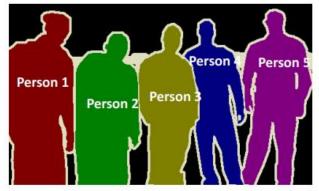
01

Problem Definition

Problem Definition



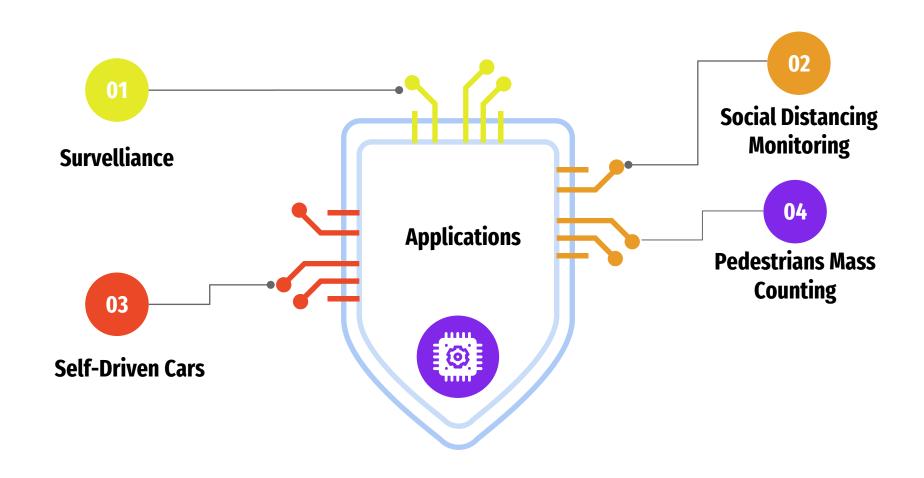




Object Detection

Semantic Segmentation

Instance Segmentation



02 Methodologies

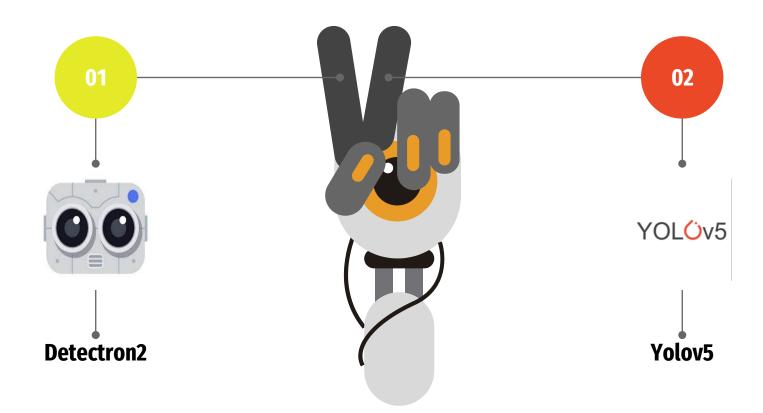


Image Griding to Pixels YOLO V5 Centering & Object Detection Object Classification YOLOv5 **Remove overlapping**

boundry Box

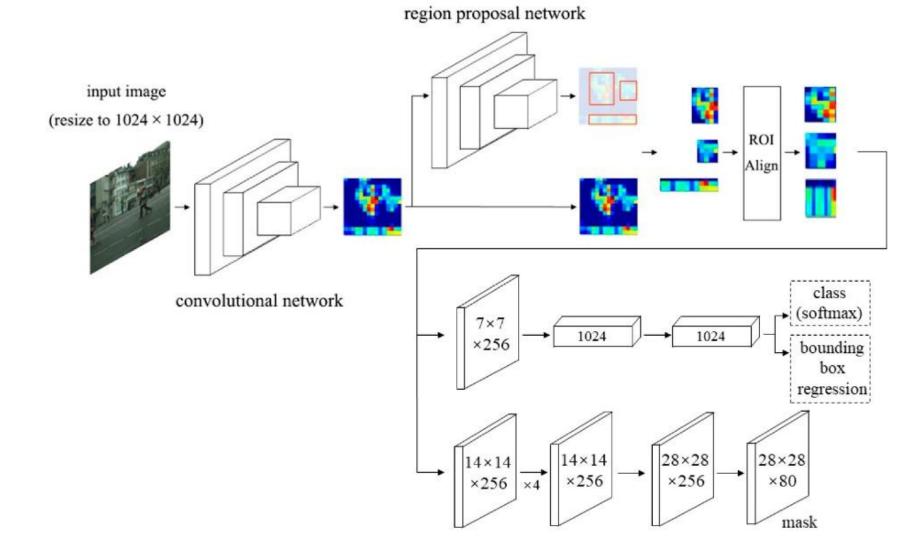
Region Proposal Network

Fast RCNN

Mask RCNN

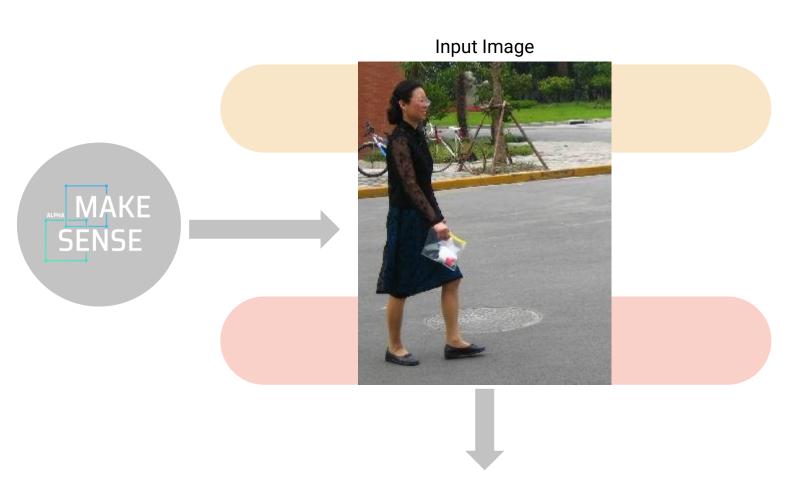
Detectron2

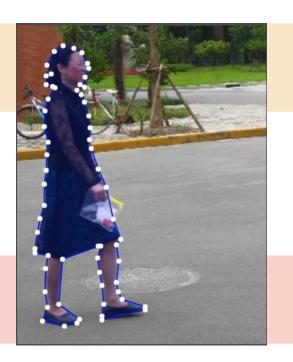




03

Dataset & Preperation





Detectron2



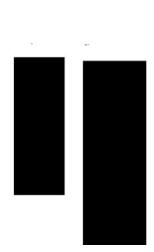
YOLOV5

04 **Results**

YOLOV5

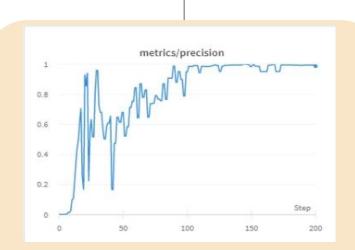




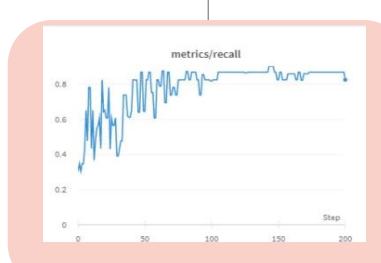


YOLO V5





• Precision: 0.987

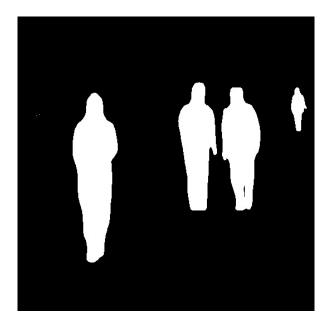


Recall: 0.826

Detectron2

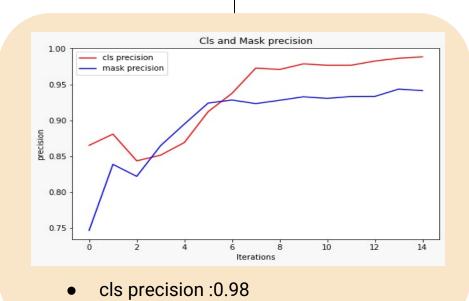






Detectron2





Mask precision: 0.94

05 Conclusion



YOL^Ov5

Detectron2

- More Accurate segmentation
- Musk Segmentations + BBox

YOLOV5

Vs

- Faster & More Efficient
- Smaller Model Size
- Bbox only

