# ANN Capstone Project

Project: Video Recognition Using YOLOv7 in Google Collab Luqman Mohd Zaid

#### Objectives

- Understand the basics of YOLO v7 and object detection
- Implement YOLO v7 using Google Colab
- Train a YOLO v7 model on a video dataset
- Evaluate the trained model on your own video

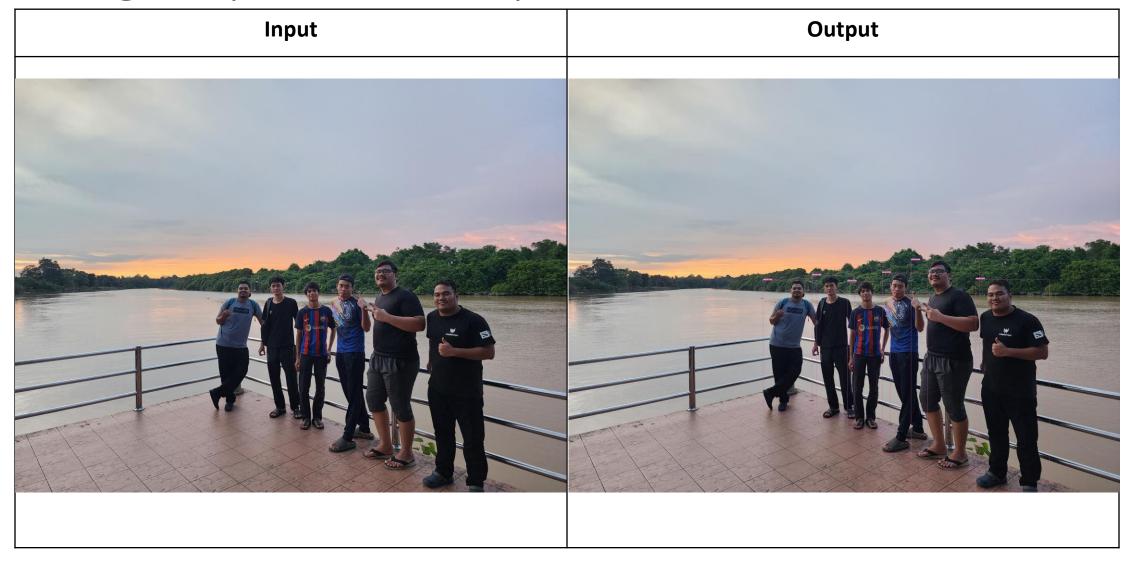
#### Libraries Used

from google.colab import drive • Mount Google Drive import os Access Google Drive Folder !git clone Clone YOLOv7 https://github.com/pHidayatullah/yolov7 import torch Check GPU • Copy and paste videos to put in the right folder for the code to run import shutil • Function to Show Image import matplotlib.pyplot as plt Function to show Image import matplotlib.image as mpimg

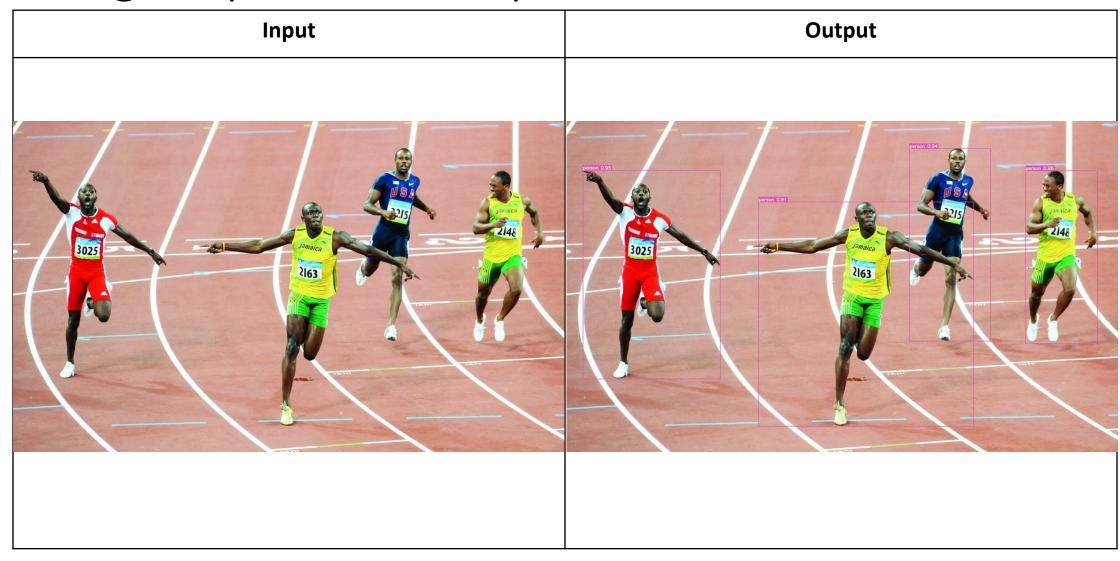
#### Source Code

- <u>LuqmanCapstoneYOLOv7.ipynb</u>
- CapstoneProjectLuqmanMZ.pdf
- Input Image File
- Output Image File
- Input Video File
- Output Video File

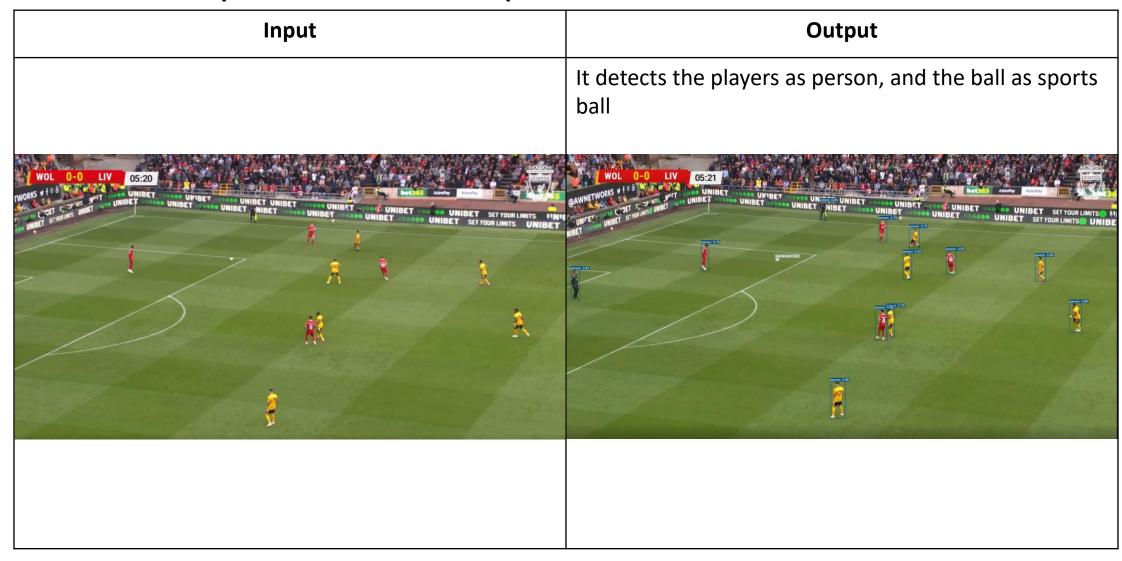
## Image Input and Output



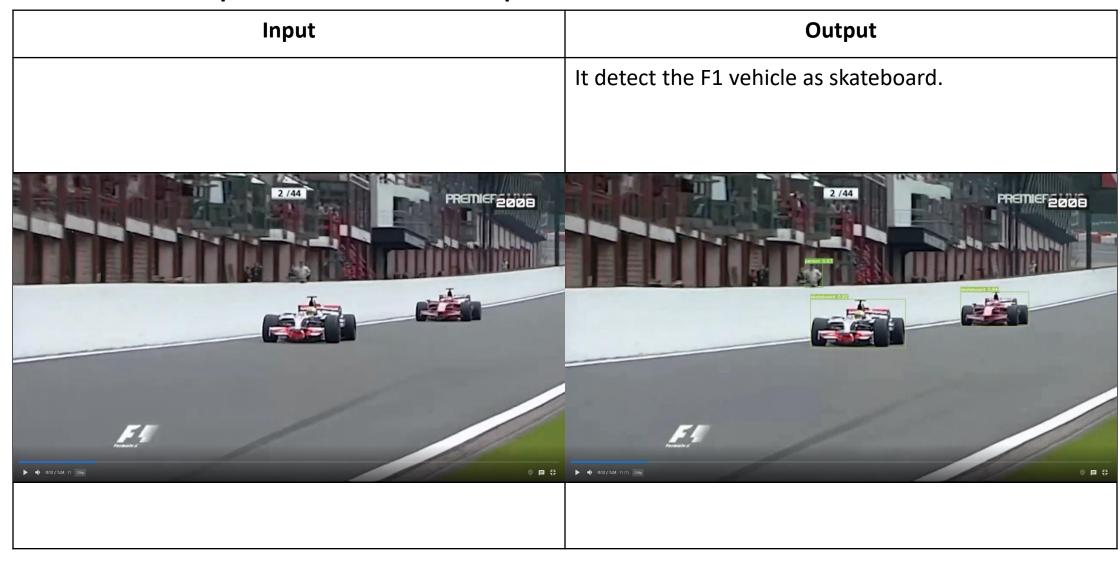
## Image Input and Output



### Video Input and Output



### Video Input and Output



# Thank you!