Project Development Phase Performance Testing

Date	18 May 2023	
Team ID	NM2023TMID01052	
Project Name	Project - "AI Enabled Car Parking	
	Using OpenCV"	

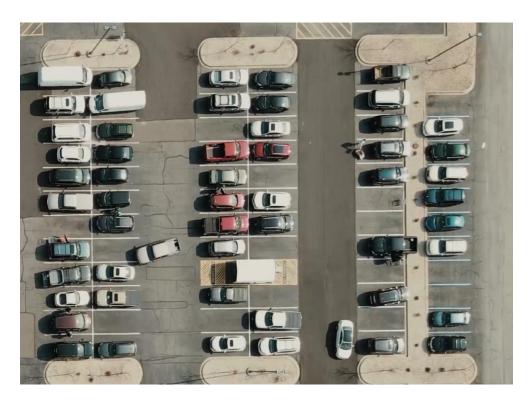
Model Performance Testing:

Project team shall fill the following information in the model performance testing template.

S.No	Parameter	Values	Screenshot
1.	Model Summary	In this model, it has Data	Mentioned below
1.	Wiodel Sullillary	i -	Wentioned below
		Acquisition, Object Detection, Vehicle Tracking,	
		Parking Space Detection and	
		Occupancy detection	
		through sensors.	
2.	Accuracy	Training Accuracy – 92%	Mentioned below
	,	,	
		Validation Accuracy -94%	
3.	Confidence Score	Class Detected	Mentioned below
	(Only Yolo		
	Projects)	Confidence Score –	
	,	"if count < 900"	

1. Model Summary

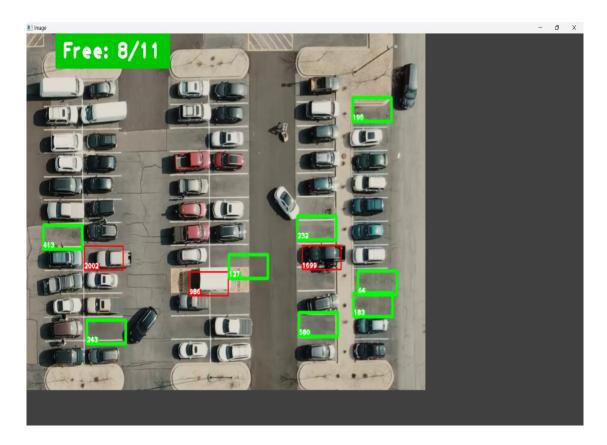
• Data Acquisition



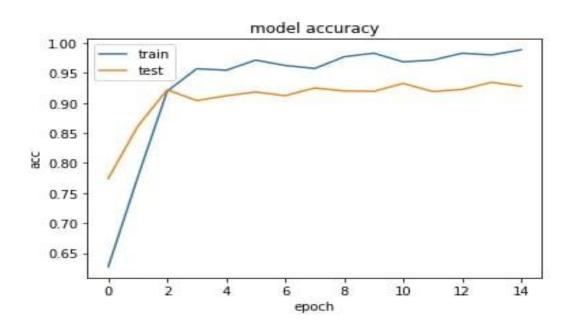
• Object Detection and Vehicle Detection



Parking Space Detection and occupancy detection



2. Accuracy



3. Confidence Score

• Class Detected

```
cap = cv2.VideoCapture('carPark.mp4')
with open('CarParkPos', 'rb') as f:
    posList = pickle.load(f)
width, height = 107, 48

cap = cv2.VideoCapture('carPark.mp4')
width, height = 103, 43
```

posList = pickle.load(f)

with open('polygons', 'rb') as f:

• Confidence Score