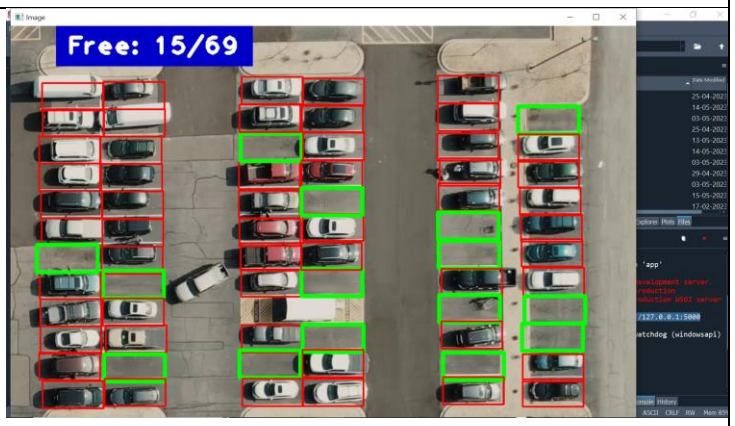
Project Development Phase

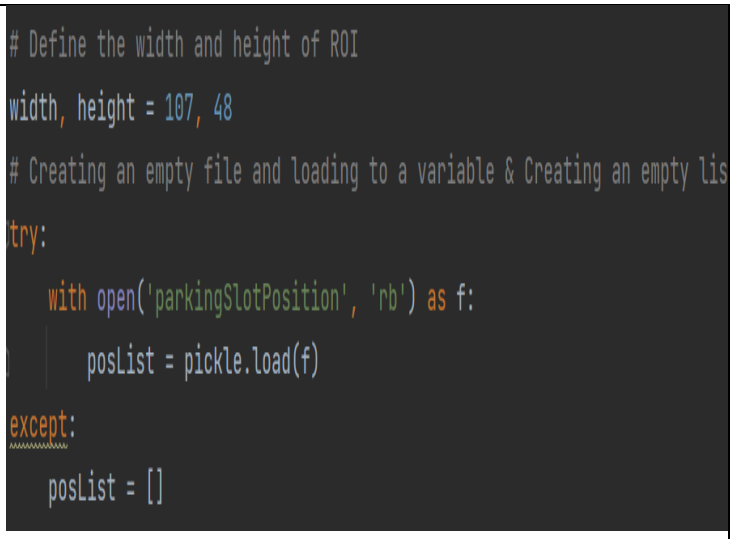
Model Performance Test

Date	19/May/2023
Team ID	NM2023TMID19278
Project Name	Al Enabled Car Parking Using OpenCV

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
1.	**Model Summary**	**Parking Space Detection**: By leveraging the contour detection capabilities of OpenCV, we detected and extracted the individual parking spaces in the video feed. This segmentation process allowed us to precisely determine the boundaries of each parking spot.	

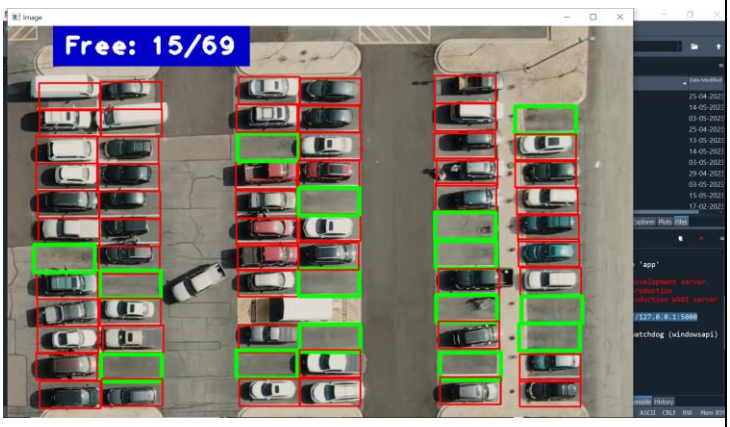
2.	**Accuracy**	**<u>Training Accuracy</u>** - Calculating the ROI width and height (manually width and height are calculated and given as 107 & 48). An empty file parkingSlotPosition is created to save all the ROI values. Try and except combo is used. In Python, try and except are used for error handling, to catch and handle exceptions that may occur during program execution. The try block is used to enclose the code that may raise an exception, and the except block is used to define what should happen if an exception is raised.	

Validation Accuracy –

To calculate accuracy, you can use the following formula:

Accuracy = (Number of correctly classified samples) / (Total number of samples)

Accuracy = (15) / (69)



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Written and submit by.

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