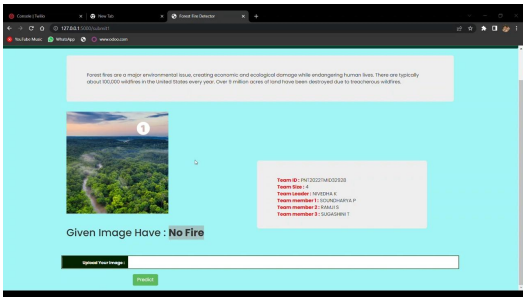
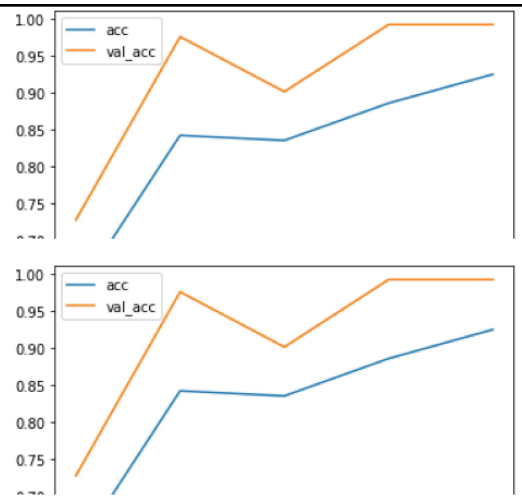
Project Development Phase
Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID32928
Project Name	Emerging Methods for Early Detection of Forest Fires
Maximum Marks	10 Marks

Model Performance Testing:

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

S. No.	Parameter	Values	Screenshot
1	Model Summary	Forest fires are a major environmental issue, creating economic and ecological damage while endangering human lives. There are typically about 100,000 wildfires in the United States every year. Over 9 million acres of land have been destroyed due to treacherous wildfires. It is difficult to predict and detect Forest Fire in a sparsely populated forest area and it is more difficult if the prediction is done using ground-based methods like Camera or Video-Based approach. Satellites can be an important source of data prior to and during the Fire due to its reliability and efficiency. The various real-time forest fire detection and prediction approaches, with the goal of informing the local fire authorities.	

2	Accuracy	Training Accuracy – 0.96 Validation Accuracy -0.96	
3	Confidence Score (Only Yolo Projects)	Class Detected – No Fire Class Detected –Fire detected Confidence Score – 95/100