

## Project Development Phase Model Performance Test

Date	15 November 2022
Team ID	PNT2022TMID22303
Project Name	Fertilizer Recommendation System For Disease Prediction
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	Total params : 5,084,552 Trainable params : 5,084,552 Non-Trainable params: 0	<div>Model: "sequential"</div> <table><thead><tr><th>Layer (type)</th><th>Output Shape</th><th>Param #</th></tr></thead><tbody><tr><td>conv2d (Conv2D)</td><td>(None, 126, 126, 32)</td><td>896</td></tr><tr><td>max_pooling2d (MaxPooling2D)</td><td>(None, 63, 63, 32)</td><td>0</td></tr><tr><td>flatten (Flatten)</td><td>(None, 127008)</td><td>0</td></tr><tr><td>dense (Dense)</td><td>(None, 40)</td><td>5080360</td></tr><tr><td>dense_1 (Dense)</td><td>(None, 70)</td><td>2870</td></tr><tr><td>dense_2 (Dense)</td><td>(None, 6)</td><td>426</td></tr></tbody></table> <div>Total params: 5,084,552 Trainable params: 5,084,552 Non-trainable params: 0</div>	Layer (type)	Output Shape	Param #	conv2d (Conv2D)	(None, 126, 126, 32)	896	max_pooling2d (MaxPooling2D)	(None, 63, 63, 32)	0	flatten (Flatten)	(None, 127008)	0	dense (Dense)	(None, 40)	5080360	dense_1 (Dense)	(None, 70)	2870	dense_2 (Dense)	(None, 6)	426
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2.	Accuracy	Training Accuracy – 98%(0.9831)  Validation Accuracy -97%(0.9705)	<div>Accuracy per epoch</div> <div>Loss per epoch</div>																					

3.	Confidence Score (Only Yolo Projects)	Class Detected - 6 Confidence Score – 0.6	<div>Found 5384 images belonging to 6 classes. Found 1686 images belonging to 6 classes.</div>
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