Functional & Performance Testing Template

Model Performance Test

Date	21 February 2025
Team ID	PNT2025TMID02661
Project Name	Predicting Plant Growth Stages with Environmental and Management Data Using Power BI
Maximum Marks	

Test Scenarios & Results

Test Case ID	Scenario (What to test)	Test Steps (How to test)	Expected Result	Actual Result	Pass/Fail
FT-01	Model Loding time	Lod the Model and measure start up time	Model el loads s<5 sec	4.5sec	fail
FT-02	Data Preprocessing	Feed raw input data to the model	Data Processe correctly	Data proccess succesfully	Pass
FT-03	Prediction Accuracy	Test model on known plant images	85%+accuracy	86%	pass
FT-04	Response time	Time taken for prediction	Outout with 2 sec	1.8 sec	pass
PT-01	Model scal ability	Test with Increasin g data size	Model handles Large data sets	Performens for large datasets	pass
PT-02	Error Handling	Provide id data	Model shows a proper error message	Display indvalid error	fail