PERFORMANCE TESTING

TEAM ID	PNT2022TMID44357
PROJECT DOMAIN	INTERNET OF THINGS
PROJECT TITLE	IoT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE
DATE	18 NOVEMBER 2022

NFT - RISK ASSESSMENT

Functional Changes	Hardware Changes	Software Changes	Load/Volume Changes	Risk Score	Justification
Moderate	No Changes	Moderate	>10 to 30%	Orange	Changes occurs less
Moderate	No Changes	Moderate	>10 to 30%	Orange	Some changes occur

NFT - DETAILED TEST PLAN

S.No	Project Overview	NFT Test Approach	Approvals/SignOff	Assumptions/Dependencies/Risks
1.	Python Script	Python Coding	https://www.python.org/psf/sponsors/#heroku	Depend on the Delivered Code
2.	NodeRED	Sensor and Command Values	https://nodered.org/	Sensor Values
3.	Mit App Inventor	Motor Control/Sensors Notifications	https://appinventor.mit.edu/about/termsofservice	Notifications
4.	Clarifai	To Detect Animals and Birds	https://portal.clarifai.com	Detection

END OF TEST REPORT

NFR Met	Test Outcome	GO/NO-GO decision	Identified Defects (Detected/Closed/Open)	Recommendations	Approvals/SignOff
Met	Pass	GO	Closed	Efficient code	https://www.python.org/psf/sponsors/#heroku
Met	Pass	GO	Closed	Sensing the values perfectly	https://nodered.org/
Met	Pass	GO	Closed	Notifies the users at correct time	https://appinventor.mit.edu/about/termsofservice
Met	Pass	GO	Closed	Detects animal and alert user	https://portal.clarifai.com