Performance Testing

Date	19 November 2022
Team ID	PNT2022TMID13514
Project Name	Gas Leakage Monitoring & Alerting System For Industries
Maximum Marks	4 Marks

NFT - Risk Assessment

S.No	Project Name	Scope/feature	Functional Changes	Hardware Changes	Software Changes	Load/Volume Changes	Risk Score	Justification
1	Iot Watson Platform	New	Low	No Changes	Low	>5 to 10%	GREEN	Changes occurs less
2	sensor values	New	No changes	No Changes	Low	>5 to 10%	GREEN	Changes occurs less
3	python	Existing	Moderate	No Changes	Moderate	>10 to 30%	ORANGE	Some changes occurs

NFT - Detailed Test Plan

S.No	Project Overview	NFT Test approach	Approvals/SignOff	Assumptions/Dependencies/Risk
1	Python script	Python coding	https://www.python.org/psf/sponsors/#heroku	Depend on the delivered code
2	Node - Red Webpage and Dashboard	Sensor (Temperature and Location) & command values	https://nodered.org/	Values Display
3	Iot Device Simulation	Sensor Readings info display	https://nodered.org/si	Data Input

End Of Test Report

S.No	Project Overview	NFT Test approach	NFR - Met	Test Outcome	GO/NO-GO decision	Identified Defects (Detected/Closed/Open)	Recommendations	Approvals/SignOff
1	watson	sensor values	Met	Pass	GO	Closed	Display sensor values correctly	https://internetofthings.ibmcloud.com/
2	Node Red	Sensor (Temperature and Location) & command values	Met	Pass	GO	Closed	Display the values perfectly	https://nodered.org/
3	Iot Device Simulation	Sensor Readings info display	Met	Pass	GO	Closed	Data inputs perfectly	https://nodered.org/si