NIT Risk assesment

S.No	Project Name	Scope/feature	Functional changes	Hardware changes	Software changes	volume changes
1	IOT-ENABLED-SMART-FARMING-APPLICATION	Agriculture	Moderate	No changes	Low	No changes
2	IOT-ENABLED-SMART-FARMING-APPLICATION	smart grid	No changes	Moderate	No changes	Low
3	IOT-ENABLED-SMART-FARMING-APPLICATION	Water supply	Low	No changes	No changes	Moderate
4	IOT-ENABLED-SMART-FARMING-APPLICATION	Temperature	No changes	Low	No changes	Moderate
5	IOT-ENABLED-SMART-FARMING-APPLICATION	Humidity	Moderate	No changes	Low	No changes
6	IOT-ENABLED-SMART-FARMING-APPLICATION	Soil Moisture	Moderate	No changes	No changes	Moderate

NIT-Detailed test plan

S.No	project overview	NFT test approach	Assumption/dependencies/Risks	Approval/Signoff
1	IOT weather reporting system	Tests the weather condition	Weather	Edge capabilities
2	Weather monitoring using Temperature sensor	Temperature is monitored	Temperature	Network security
3	Weather monitering Humidity sensor	Humidity is monitored	Humidity	Device security
4	Weather monitoring using Soil Moisture sensor	Soil Moisture is monitored	Soil Moisture	Device security
5	Weather monitoring using Water sensor	Water Level is monitored	Water Level	Device security

End of test report

S.No	project overview	NFT test approach	Assumption/dependencies/Risks	NFR.Met	Test outcome	Recommendation	Result
1	IOT weather reporting system	Tests the weather condition	Weather	Privacy interoperability	Access weather conditions	Designing techniques	It provides information on weather monitoring
2	Weather monitoring using temperature sensor	Temperature is monitored	Temperature	Performance	specify the temperature	Developing devices	Temperature is monitored and logged automatically
3	Weather monitoring using humidity sensor	Humidity is monitored	Humidity	Maintainability	Trace the humidity level	Developing sensor	Provides the actual humidity condition
4	Weather monitoring using Soil Moisture sensor	Soil Moisture is monitored	Soil Moisture	Maintainability	Trace the Moisture level	Developing sensor	Provides the actual moisture condition
5	Weather monitoring using Water sensor	Water is monitored	Water	Performance	Trace the Water level	Developing sensor	Provides the actual water level condition