

## Performance Testing

Team ID	PNT2022TMID48312
Project Name	Real-time river water quality monitoring and control system

NFT - Risk Assessment									
S.No	Project Name	Scope/feature	Functional Changes	Hardware Changes	Software Changes	Impact of Downtime	Load/Volume Changes	Risk Score	Justification
1	Real Time River Water Quality monitoring and control system	New	Low	Low	Low	Downtime does not affect the performance much.The errors can be resolved within a short duration of time.	>5 to 10%	ORANGE	As the sensors senses the parameters continuously ,there will not be any delay.As the sensors are well protected ,there is a low probability of physical damage.

NFT - Detailed Test Plan				
S.No	Project Overview	NFT Test approach	assumptions/Dependencies/Risk	Approvals/SignOff
1	Real Time River Water Quality monitoring and control system	LOAD TEST    ENDURANCE TEST	The project is capable of dealing with large amount of data (i.e) load. Congestion can be controlled and the system can operate efficiently.	Approved

End Of Test Report								
S.No	Project Overview	NFT Test approach	NFR - Met	Test Outcome	GO/NO-GO decision	Recommendations	Identified Defects (Detected/Closed/Open)	Approvals/SignOff
1	Real Time River Water Quality monitoring and control system	LOAD TEST    ENDURANCE TEST	YES	The parameter values of Temperature, pH & Turbidity can be obtained continously and the alert messages whenever the water is not fit to use is sent to the authorities without any delay.	GO	The rechargeable sensors can be used during the manufacturing of this system.	Closed	Approved