

ProjectDesignPhase-II
SolutionRequirements(Functional&Non-functional)

Date	12October2022
Team ID	PNT2022TMID42440
ProjectName	IOT Based Real-time River Water Quality MonitoringandControl System
MaximumMarks	4 Marks

FunctionalRequirements:

Followingarethefunctionalrequirementsoftheproposedsolution.

FR No.	FunctionalRequirement(Epic)	SubRequirement(Story/Sub-Task)
FR-1	UserLogin	Confirmationthroughverifiedpassword
FR-2	ViewWaterDetails	Viewcurrentwaterdetailsinwebsite View traditionalwater eligibilityinwebsite
FR-3	Logout	Logsouttheuser successfully

Non-functionalRequirements:

Followingarethefunctionalrequirementsoftheproposed solution.

FR No.	Non-FunctionalRequirement	Description
NFR-1	Usability	Loadtimeforuserinterface screensshallnotbemore than2 seconds.
NFR-2	Security	Useraccountispasswordprotected Accountcreationdoneonlyafteremailverification
NFR-3	Reliability	Userscanaccesstheiraccount 98%ofthetimewithoutfailure
NFR-4	Performance	Load time for user interface screens shall not bemore than2seconds. Logininfoverifiedwithin10 seconds.
NFR-5	Availability	Maximumdowntimewill be about4hours
NFR-6	Scalability	Systemcanhandleabout1000usersatanygiventime