

ProjectDesign Phase-II
SolutionRequirements(Functional&Non-functional)

Date	16October2022
TeamID	PNT2022TMID30419
Project Name	Project-GasLeakageMonitoring andAlertingSystem
MaximumMarks	4Marks

FunctionalRequirements:

Followingarethefunctionalrequirementsoftheproposedsolution.

FR No.	FunctionalRequirement(Epic)	SubRequirement(Story/Sub-Task)
FR-1	Datafetch	The detailsofthegasleakedwillbetransferredtoIoTsystem.
FR-2	Transferringtouser	IOT,WIFI module
FR-3	Receiving intheuserend	GasleveldetailswillbedisplayedthroughLCD,analarmwillbebeepsandthesamedatawillbesent totheuser mobileorpc.

Non-functionalRequirements:

Followingarethenon-functionalrequirementsoftheproposedsolution.

FR No.	Non-FunctionalRequirement	Description
NFR-1	Usability	Setoftechniquesfordesignanddevelopmentareimplemented.
NFR-2	Security	Strategicalimprovementoftheprocessensureslessrisk.
NFR-3	Reliability	Accuracyandconsistencycheckisproperlymaintained.
NFR-4	Performance	Achievesthegoalandcontributes totheexistingproblem intheindustry.
NFR-5	Availability	Informationabouttheavailabilityofresourcesareidentified.
NFR-6	Scalability	Probabilityofperformanceishigh.