ProjectDesignPhase-II

SolutionRequirements(Functional&Nonfunctional)

Date	03October2022
Team ID	PNT2022TMID19077
ProjectName	Project-–IOTbasedsafetygadgetforchildsafety monitoringandnotification
MaximumMarks	4Marks

FunctionalRequirements:

Followingarethefunctionalrequirementsoftheproposed solution.

FR No.	FunctionalRequirement(Epic)	SubRequirement(Story/Sub-Task)
FR-1	UserRegistration	Registration through FormRegistrationthroug hGmail RegistrationthroughLinkedIN
FR-2	UserConfirmation	Confirmation via EmailConfirmationvi aOTP
FR-3	Notification	NotifiedviaMobileApp
FR-4	UserInterface	Mobile App- MIT App Inventor Able to see location ofchildren when theyareoutof geofence

Non-functionalRequirements:

Followingarethe non-functionalrequirementsoftheproposed solution.

FR No.	Non-FunctionalRequirement	Description
NFR-1	Usability	Accessed through Mobile App Showing location(latitude andlongitude)ofchild
NFR-2	Security	DatabasesecuritymustmeetHIPAArequirements
NFR-3	Reliability	Oncelogged in,webpageisavailableuntil loggingout
NFR-4	Performance	Eachpagemust loadwithin2seconds
NFR-5	Availability	Canbeavailable atalltime24/7
NFR-6	Scalability	The process must finish within 3 hours so data isavailableby 8a.m.localtimeafteran overnight update