Project Design

Phase-II

Technology

Stack

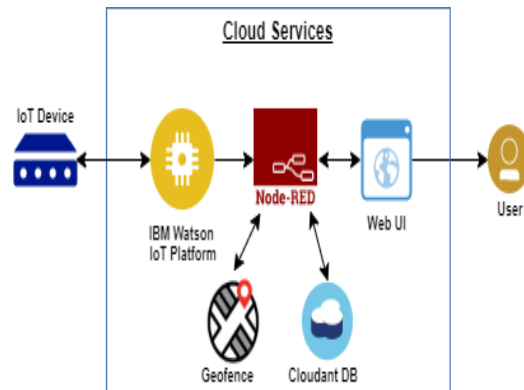|	
Team ID	PNT2022TMID04590
Project Name	Project – IOT based safety gadget for child safety monitoring and notification
Maximum Marks	4 Marks

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	UI (user Interface)	The user interface helps user to interact with the portal and make use of the available features.	Website (web application)

2.	Application	The collected data about the location, weather, camera footage and all other records are instantly stored in the IBM cloud database for future reference.	IBM service
3.	Database	Data to be segregated and secured in the form of relational DBMS	MySQL
4.	Cloud Database	IBM	IBM Cloudant
5.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service
6.	External availability	To access the children location	GPS location
7.	Infrastructure(cloud)	Application Deployment CloudLocal Server Configuration	Cloud Foundry

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Interface	The solution will be implemented for the users (parents or caretakers) in the form of website or mobile application.	Interface design
2.	Security	The details about the children are accessible only using the correct login credentials, since the data are sensitive.	IAM (identity & access management)
3.	Scalable Architecture	The app will comes the way easier to handle and operate.	Cloud
4.	Availability	The developed solution tends to be available in the market at any time	Yet to be done
5.	Performance	Highly proper and betterment functionalities are to be ensured in the designed solution	Yet to be done