Project Design Phase-II

Technology Stack (Architecture & Stack)

Team ID	PNT2022TMID18204
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification.
Maximum Marks	4 Marks

Technical Architecture:

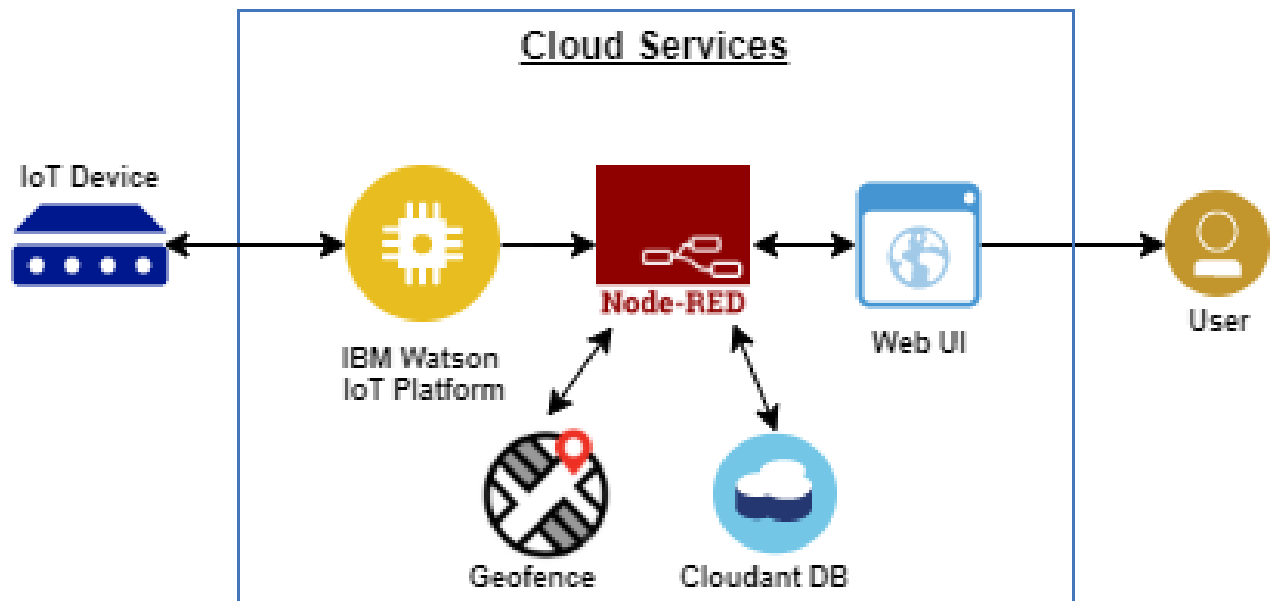The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
•	User Interface	Mobile App	G Mail
•	Application Logic-1	Collecting information about the children and checking the timing	Python
•	Application Logic-2	Alarms	IBM Watson
•	Cloud Database	Database Service on Cloud	IBM Cloudant DB

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
•	Open-Source Frameworks	Configuration for mobile application development, programming the IoT device , text-to-speech services, and storing details in cloud	MIT,IBM Watson,node red,IBM cloud
•	Security Implementations	Encryption implementation for security	SHA-256
•	Scalable Architecture	The application can load as many members as there are logged in.	MIT,IBM Watson
•	Availability	Application is available 24/7	MIT,IBM Watson,node red,IBM cloud
•	Performance	Reminds the users at the right time	IBM Watson,IBM IoT Platform