<div align="center">

Project Design Phase-II
Technology Stack (Architecture & Stack)

</div>

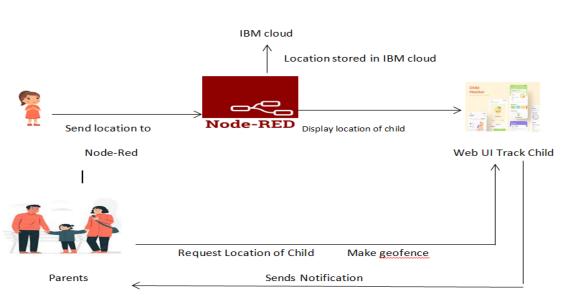| Date	21 October 2022
Team ID	PNT2022TMID04763
Project Name	IoT based Safety Gadget for child safety monitoring & Notification
Maximum Marks	4 Marks

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Web UI	HTML, CSS, JavaScript
2.	Application Logic-1	Storing Location in IBM Cloud	Python
3.	Application Logic-2	Showing the location in the Web UI	HTML / CSS / JS
4.	Application Logic-3	Making Geo fence	NodeRed , JS
5.	Database	Object	NoSQL
6.	Cloud Database	Database Service on Cloud	IBM Cloudant
7.	Machine Learning Model	Purpose of Machine Learning Model	Object Recognition Model, etc.
8.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Python (Local) / IBM cloud(Cloudant)

Technology Stack Diagram:

IoT based Safety Gadget for child safety monitoring & Notification.

IBM Cloud

IBM cloud

Location stored in IBM cloud

Send location to

Node-Red

Node-RED

Display location of child

Web UI Track Child

Parents

Request Location of Child   Make geofence

Sends Notification