**Project Design Phase-II**

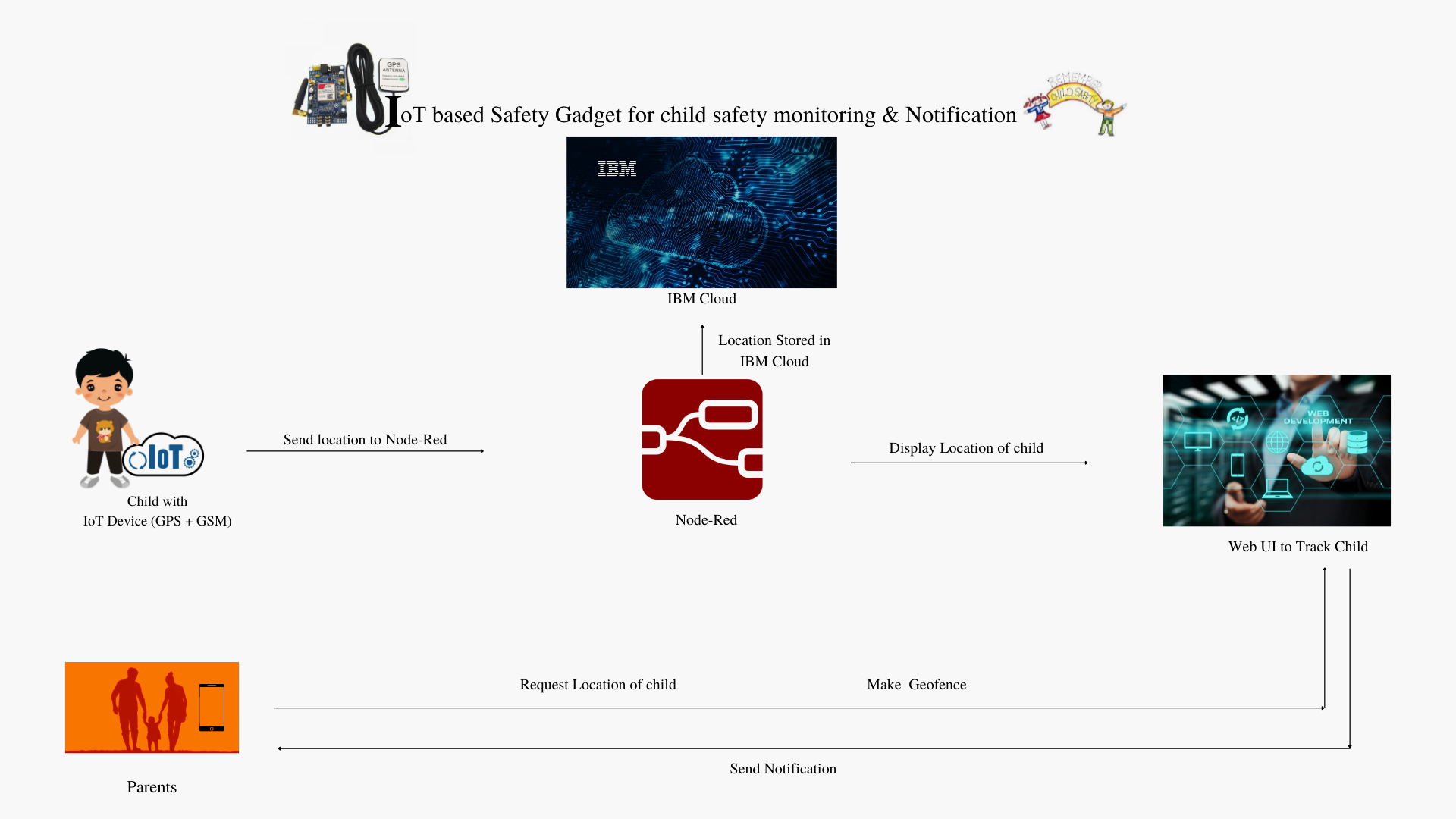
**Technology Stack (Architecture & Stack)**

| Date | 15 October 2022 |
| --- | --- |
| Team ID | PNT2022TMID32596 |
| Project Name | IoT based Safety Gadget for child safety monitoring & Notification |
| Maximum Marks | 4 Marks |

**Table-1 : Components & Technologies:**

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

Technology Stack Diagram:

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