

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

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| Date | 26 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:



