**Project Design Phase-I**
**Solution Architecture**

| Date | 1 October 2022 |
|---|---|
| Team ID | PNT2022TMID50351 |
| Project Name | IoT Based Safety Gadget for Child Safty Monitoring & notification |
| Maximum Marks | 4 Marks |

## Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing problem

- The IoT device is there used esp32,the esp 32 collects the information and it share the information

- A geofence is a virtual perimeter for a real world geographic area.it is dynamically generated

- We have a data base is used the IBM cloud data base ,there we store a information (data's)

- We are using IBM Watson IoT platform to share the data node red the node red is create a web UI

- The web UI is connect the user the IOT data is shows the user

- The user have a application ,it notification  and live location provided by web UI

## Solution Architecture Diagram:



Technical Architecture: