

## Project Design Phase-I Solution Architecture

Date	1 October 2022
Team ID	PNT2022TMID39992
Project Name	IoT Based Safety Gadget for Child Safety 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:

