**Project Design Phase-I**

**Solution**

**Architecture**

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| Date | 15 October 2022 |
| Team ID | PNT2022TMID09836 |
| Project Name | IoT Based Child Safty Gadget |
| Maximum Marks | 4 Marks |

**Solution Architecture:**

* Enable tracking of the child's location and capturing of data remotely such as temperature, pulse, respiratory rate, quality of sleep and many more.
* To show the child's actual data with reference values.
* Enable sending of notification if the child is out of location or when the device realizes abnormal conditions/situations.
* To trigger the alarm and enable automatic video recording whenever the emergency button is pressed. Then, emergency notification along with real-time video will be sent to and display in the parent's mobile apps.
* Develop a prototype of IoT wearable smart band connected to parent's mobile apps so that they can monitor the actual condition of children at anytime and anyplace.

**Basic Block Diagram:**



In our system ,we used several components like,

1.Temperature sensor

2.SOS light

3.Buzzer alarm

4.GPS

5.Speaker

