

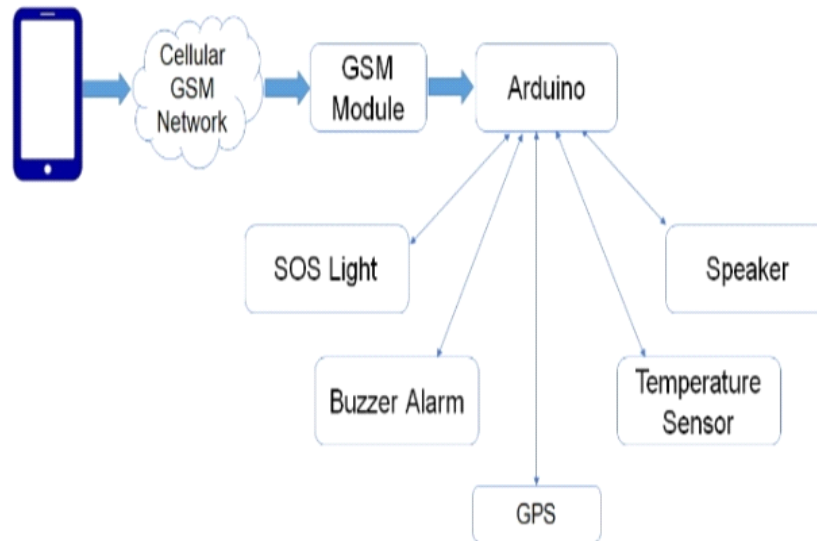
**Project Design Phase-I**  
**Solution**  
**Architecture**

|               |                              |
|---------------|------------------------------|
| 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

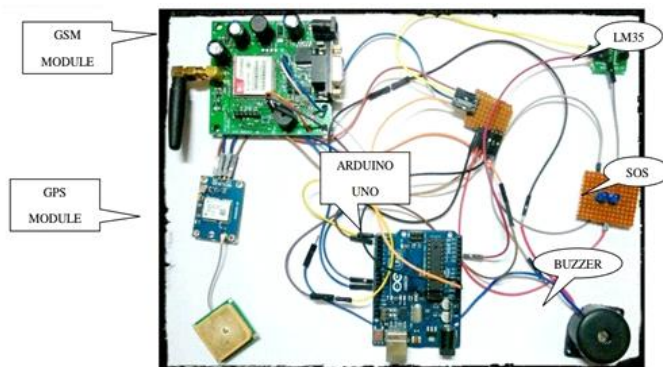


Fig3: Proposed Wearable device