Project Design Phase-I

Solution Architecture

Team ID	PNT2022TMID14424
Date	15 October 2022
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	4 Marks

Solution Architecture
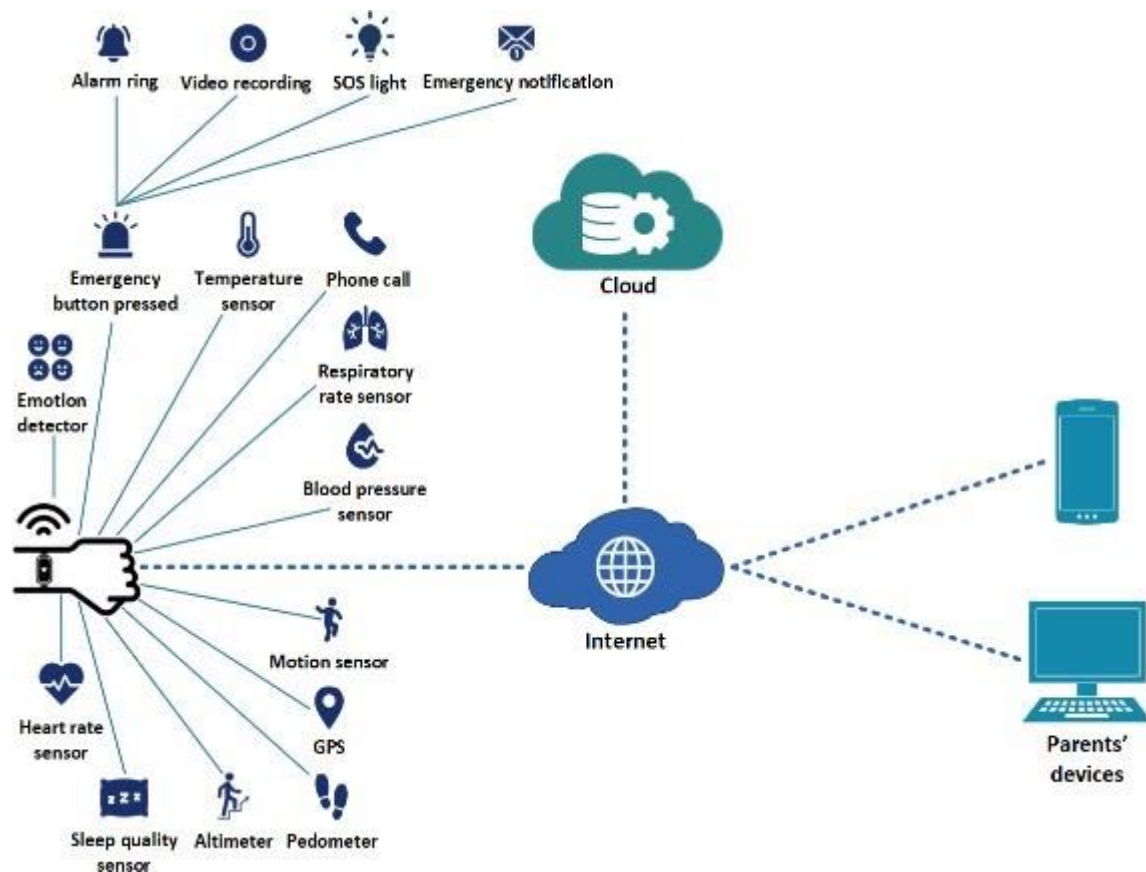
In fact, Development of a safety gadget for children to ensure their protection without direct monitoring of the parents which includes various features such as GPS, Blood pressure sensor, Temperature sensor, Emergency alert etc...

- The IoT-enabled digital system architecture integrates the Cloud,Mobile and GPS techonology to precisely locate the geographical location of a child.
- In GPS, the enrolled device will get alert messages or alerts when the device detect activities outside the specified geo fence.If any risk is felt,additional features like notification could be performed.
- In case of emergency, the alarm and SOS light will be activated by parents through their devices.
- The collections of data will then be sent to the cloud over the internet for securely process, analyze, monitor, store, access and retrieve data remotely.
- After that, the information indicating children's status, along within the range of reference calue, alert notification and some suggestions will be sent to parent's devices.