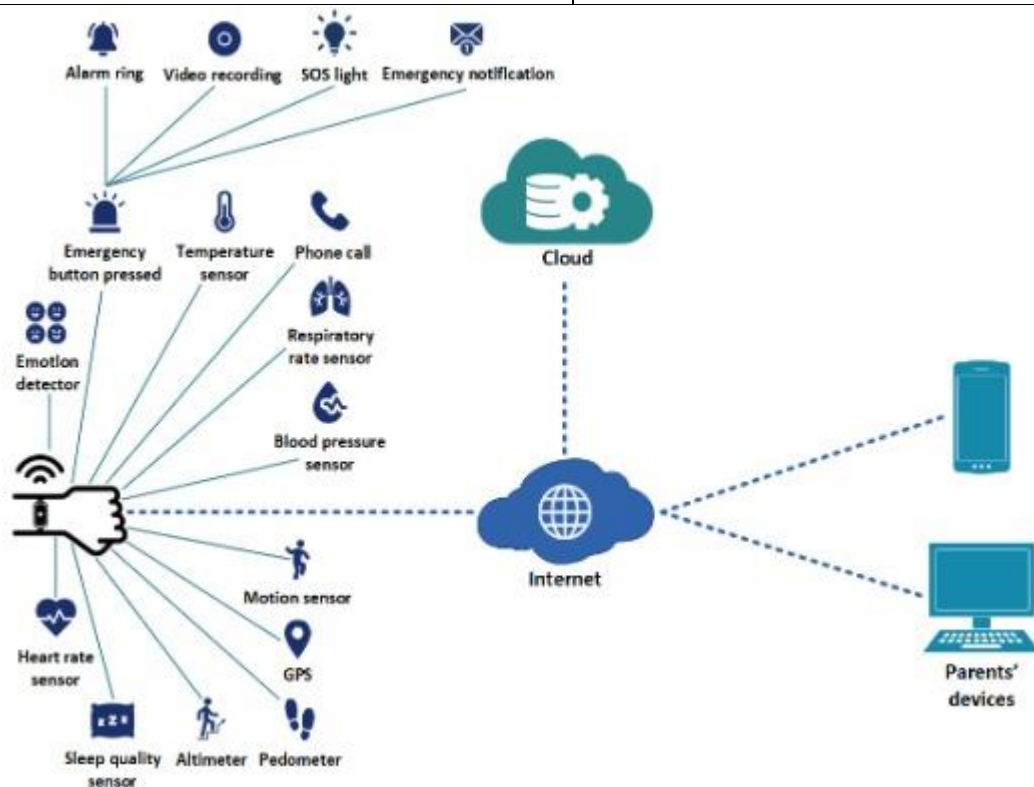# Project Design Phase - I

Solution Architecture

Team Members	Pooja.S,Poovizhi.S Rithika.R,Rohinth.S
Project Name	Project – Iot Based Safety Gadget for child safety monitoring and notification.
Maximum Marks	4 Marks

An IoT based wearable shrewd band for kids is proposed in this exploration for kid security purposes. The brilliant band is waterproof, chargeable and outfitted with sensors. Pulse sensor estimates beat rate and BPM. Rest quality sensor acquires kids' rest quality, cycle and positions. Altimeter recognizes changes in level what's more, sense whether kids are going down a slant or climbing steps, in this way estimating carbohydrate level. On the other hand, pedometer is utilized for counting steps. The movement sensor is applied to decides if youngsters are running or running. Pulse sensor used to measure pulse. What's more, the respiratory rate sensor recognizes breathing examples and respiratory rate. Moreover, the temperature sensor is utilized to distinguish internal heat level. In addition, by utilizing the feeling locator the profound state, tension and uneasiness levels can be acquired. Aside from that, this shrewd band contains GPS for following, distinguishing youngsters' area and setting geofences. Through the savvy band, kids can likewise contact guardians. Crisis button, an element in which will consequently record video and naturally call 4 crisis contacts when it is squeezed. An alarm message alongside the video cut is shipped off guardians' gadgets. The caution and SOS light will be initiated by guardians through their gadgets. As the chart shows, sensors are associated through the web. They identify and catch various types of information. These assortments of information will then be shipped off the cover over the web for safely process, examine, screen, store, access and recover information 10 members are browsed 50 respondents who were recently associated with the web-based poll to further concentrate on their thoughts, points of view, suppositions as well as input in regards to this theme. The

information assembled help in understanding and making sense of the general idea, thought or thought. In the semi-organized interview two way-correspondence is worked with, empowering members to offer their viewpoints, sentiments and uncover more data. Also, it offers dependable and similar subjective information helpful for the exploration .