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(57) Abstract :

The present invention relates to an internet of thing (IoT) enabled system (S) and process for real time monitoring of an infant to prevent falling off any surface above ground level, such as a bed or a crib or a changing table. The system (S) comprises an air-filled rubber tube (001) placed around the perimeter of the surface on a regular sheet (008) spread thereupon, wherein the infant being placed on the surface, a pressure sensor (002) to detect pressure on the tube (001) applied by the infant when crawling or stepping over the tube (001), a microcontroller (003) connected to the pressure sensor (002) to collect data from the sensor (002) to determine whether an alert needs to be triggered upon processing the pressure data collected from the pressure sensor (002), an alert unit (004) wirelessly connected to the set of microcontrollers (003, 003a) to emit an audible alert, a mobile device (005) wirelessly connected to the microcontroller (003) to receive text message. Unlike fixed systems like cribs or expensive smart cameras, this system adapts to any standard sheet spread on a surface, is easy to carry everywhere (very much portable), and can be easily connected to existing IoT services. [figure 1]

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