Child Tracking System

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Abstract: *The child tracking system includes a tracking system which is capable of detecting various dangers to the child (one or more than one). When a violation of child safety is detected a specific sensor in child module will produce a signal. This signal will be sent from these sensors to controller then through transmitter to parent module which will take the required decision and start the violation handling procedure. The parent can set the system to work indoor or outdoor and depending on this selection the parent module can calculate the distance at any moment between each child and their parent. Global Positioning System (GPS) is used for outdoor distance calculation while change amplitude of RF Signal is used for indoor distance calculation. Also, the parent can adjust the safety distance for each child and when it is overtaken the system will alarm both parent and the child. The hardware and software for this design is simple and can be implemented on a single chip microcontroller.*

Keywords: Global Positioning System, etc.

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