

CHILD AND PET GUARD

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ABSTRACT

The main idea of Child and Pet Guard is to locate and track children at any time within a predefined area in order to prevent child abductions and drowning. It also can be applied on the pet. The first function of this project is based on the radio frequency (RF) and it is to maintain constant communications between the transmitter and detector simultaneously. Once the detector cannot receive the frequency emitted by the transmitter, the buzzer on the detector will be activated. For the second part, the buzzer on the whistle responder will be driven on when the microphone receives the whistle.

This project report is mainly analyzed the RF transmitter and RF detector as well as the whistle responder. Several points are discussed for better understanding in construction of this project. The technical information obtained, technique applied and the analysis done while conducting this project are mentioned as well. The Gantt chart is enclosed to assists explanation I the progress flow of my project. Besides, the data sheets are attached for clearer understanding if the characteristic of the involved components.