Abstract

The main aim is to design a PC controlled Robot that detects live human and transmit the location of Robot wirelessly. This Robot is mainly used in disaster affected areas like earthquakes. The Robot is equipped with PIR sensor to detect live human. Any alive body with a temperature above absolute temperature emits radiations which are invisible to the normal eye. It senses these passive infrared rays to detect the live human. This Robot also includes the camera, IR sensors, Gas sensors, Metal detector and video screen. Microcontroller is used to control the robot and is the core of robot. The robot consists of a four-wheel geared drive with DC motors attached to perform movements.

References:

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