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MICRO CONTROLLER BASED OBJECT TRACKING SYSTEM

ABSTRACT

Micro controllers have found various applications in the present scenario and are used in most of the electronics based equipments. They have become a user friendly component and their programming part is being made easy through the wide spread knowledge about them. We have used up the additional advantages of the micro controller over the micro processor in our project. Our project microcontroller based object tracking system is to identify the location of an object in an institution with a huge campus area. Whenever we take up the case of an institution with a huge campus area, it gets hard to find the location of an object we are searching for. Especially when the object we are looking for is moving, we need to keep track of the object's movement to find it. Our project gives an effective solution to this problem. The basic idea of our project is to set up receivers at various locations and hand down transmitters to each object. This entire process of generating a unique code, transmitting it, receiving it and decoding it can be achieved by categorizing the project into three modules namely the Transmitter section, the Receiver section and the Central module consisting of the Micro controller. The basic operating principle of the project can be implemented using these sections.

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