

ZIGBEE BASED WIRELESS WEATHER MONITOR

A PROJECT REPORT

Submitted by

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ABSTRACT

During certain hazards in an industry it is very difficult to monitor the parameter through wires and analog devices such as transducers. To overcome this problem wireless device is used to monitor the parameters, so that certain steps can be taken during worst cases. Few years back the use of wireless device was very less, but due the rapid development in technology nowadays maximum of our data transfer is through wireless like Wi-Fi, Bluetooth, and Wimax etc.

In view of all these things, the design of wireless parameter progress helps in an industry to monitor the parameter in real time with the use of Zigbee. The main use of this module helps in an industry during the worst cases as the analog device may be damaged during the fire accidents etc. Wireless transmission does not provide accurate data but when compared to analog failures it gives minimum error. Hence to monitor parameters in an industry where there are no means of human interface, wireless techniques are used.

The main goal of our project is to measure environmental changes such as temperature, rain and humidity within the specified range as well transmits the data through Zigbee Module to the receiver and display on the LCD.