

## **A LOW COST WEB BASED REMOTE MONITORING SYSTEM WITH BUILT-IN SECURITY FEATURE FOR VULNERABLE ENVIRONMENTS**

### **ABSTRACT**

This research paper proposes an intelligent monitoring system based on the embedded technology. Embedded system is a special computer system which combines both hardware and software. The aim of remote monitoring is to measure various environmental phenomena of a targeted area and to alert when the boundary values of the parameters controlling has been exceeded. To alert the authorized personnel, the mode of communication implemented in the system is wireless. When something undesired happens, the system automatically alerts the authorizers by sending SMS through GSM/GPRS modem. This paper also explains how to reduce the latency of the parameters measured which sometimes leads to imperfection and disasters in the large as well as small scale industries or in home automation...

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