



International Journal on Recent Researches In Science, Engineering & Technology

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Research Paper

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ISSN (Print) : 2347-6729
ISSN (Online) : 2348-3105

**Volume 1, Issue 9,
September 2013**

**DIIF IF :1.46
SJIF IF: 1.329**

Patient Monitoring System Using Embedded Module

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Abstract - It has been observed from literature that in hospitals, the patients in ICU need a constant monitoring of their temperature, respiration and heart rate. This paper is a working model which incorporates sensors to measure patient's physiological parameters namely temperature, respiration rate, ECG, heart rate and evoked potential with the sensors interfaced to computer. monitoring and control of all the specified parameters are done using particular sensor for each parameter. These sensors are sensitive to infrared rays, which are not harmful to human body. As, all the signals of the patients are interfaced to the computer, the patient condition can be analyzed by the doctors in any part of the hospital where ever they are. Thus, it reduces doctor's work load and also gives more accurate results. whenever there is an abnormality felt by the patient, this system will give an alarm signal, by which the doctor rushes to the patient. This paper also incorporates some special features like online video graphy i.e. the doctor incharge of the patient can diagnose the patient from his cabin.