LIFI TECHNOLOGY FOR INDUSTRIAL AUTOMATION SYSTEM

A PROJECT REPORT

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ABSTRACT

In Previous year, constant monitoring is very difficult for people. Industrial monitor necessary more man power to monitor and control the industrial parameter such as temperature, current, voltage, gas, etc. So, some occasion in a way of technician it may occur abnormal condition. To avoid this abnormal condition, we have proposed LIFI based industrial field monitoring system which continuously measuring the industrial parameter. If any abnormal condition occurs, it directly sends a message to the administrator via LIFI communication. LIFI provides transmission of data through LED light bulb. It varies in intensity faster than human eye. It is possible to encode data in light at which the LED flicker-based method. To monitor the industrial parameter such as current sensor, voltage sensor is used. It reduces the human work necessary in the industrial monitoring field by monitoring the overall industrial parameters through single PC with LIFI application.