Visvesvaraya Technological University, Belgaum.

A PROJECT REPORT ON :

ONLINE WIRELESS COMMUNICATION BETWEEN TWO MICROCONTROLLERS

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ABSTRACT

The demand for the power is increasing day by day. Now a days it is very common to watch blasting of distribution transformer due to transformer overloading. This overloading mainly happens due to consumption of power more than the sanctioned one by users in residential and industrial areas. The blasting of the transformer will lead to considerable loss to the electricity board and resulting power cut for the several hours, which is not desirable in the industrial area.

The main aim of the project is to prevent blasting of distribution transformer due to overloading using wireless communication between two microcontrollers. Due to overloading there will be an increase in the transformer temperature. We make use of this increase in temperature in our project. This temperature increase is continuously monitored using temperature sensors and the same information is transmitted to the electricity board using wireless communication between two microcontrollers. Whenever higher temperature than optimal is observed at the receiver due to the over loading of the transformer, the operator can know immediately and accordingly take appropriate actions.