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A PROJECT REPORT ON

REMOTE MONITORING AND CONTROLLING OF STREET-LIGHT USING GSM MOBILE.

(Sponsored by K. S. C. S. T. Bangalore.)

Under the guidance of

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ABSTRACT

The recent growth in wireless communication presents lot opportunities to control and monitor various devices using GSM mobile and Microcontroller. The goal of this project is to design an embedded device which can control and monitor Street-light by sending a specific SMS message from a cell-phone. To implement this, a GSM modem is connected to a programmed Microcontroller which would receive the SMS from a cell phone. The SMS to activate the device will be sending by person who knows the authentication password. The SMS received by the GSM module is extracted and fed to Microcontroller. The reason for selecting GSM is the ubiquity of its standard which makes international roaming very common between mobile phone operators, enabling the authenticated operator of street-light to use the mobile phone to send SMS from any part of the world to control the street-light. AT commands were used for controlling the functionality of modem. These command set helps us to operate the GSM modem.