

AUTOMATIC FUSE REPLACEMENT WITH HELP OF A MOBILE PHONE

*A project report submitted in partial fulfillment of the requirements
For the award of the degree of*

BACHELOR OF TECHNOLOGY IN ELECTRICAL & ELECTRONICS ENGINEERING

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AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY**

(Permanently Affiliated to Jawaharlal Nehru Technological University, Kakinada, AP)

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Tamaram, Narsipatnam, Visakhapatnam-531113

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CERTIFICATE

This is certify that the project report entitled “AUTOMATIC FUSE REPLACEMENT WITH HELP OF A MOBILE PHONE” is a bonafide work submitted by G MAHESH, G DHANESH, G M TARUN KUMAR, D SREE HARI & U MANIKANTA in partial fulfillment of the requirements for the award of degree of

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ABSTRACT

In the present era, electricity is the most important element of living for human beings. Electricity is used in domestic applications, agriculture, and industrial and for treatment in hospitals and as a matter of fact in all the day to day applications. INDIA is a vast country where more number of power generating Stations are interconnected and distribution is made to all the consumers in such a vast network the protection of the equipment is carried out by fuses, circuit breakers and relays.

Fuse is the most vital part of the protection system. Fuse blowing depends on over loading and other natural disturbances created by weather conditions. Whenever fuse blows the service personnel has to go and replace the fuse. But in the present project fuse replacement is done automatically using the mobile phone. Whenever the fuse blows near the equipment, the information is sent to the concerned personnel by a mobile phone placed near the equipment and a call back from the maintenance personnel will actuate the system to replace the blown fuse using the same mobile phone. By this the operating cost of the network is saved as well the time taken in replacing the system back to operation is saved.