

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama” Belagavi – 590 010



PROJECT REPORT ON

“AVOIDING ELECTRICAL ISOLATION USING GSM SYSTEM”

Submitted in partial fulfillment of the requirements for the award of degree

BACHELOR OF ENGINEERING IN ELECTRONICS & COMMUNICATION ENGINEERING

Submitted By

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

MOODBIDRI – 574 225.

2017-2018

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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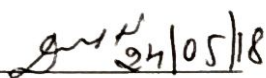
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the project work entitled “**AVOIDING ELECTRICAL ISOLSTION USING GSM SYSTEM**” is a bonafide work carried out by

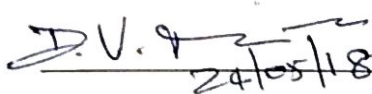
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in partial fulfillment for the award of BACHELOR of ENGINEERING in **ELECTRONICS & COMMUNICATION ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year **2017–2018**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering degree.

 24/05/18

Signature of the Guide

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 24/05/18

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ABSTRACT

Power outage has been a critical issue in most parts of India especially in rural and forest areas. In this project, the system that is proposed is quick, efficient and a safe way to ensure that the power cuts is short and no one is hurt during a power outage. A new precautionary system which will not only help the regular citizen but also the electric supply boards by making it easier for them to maintain the power transmission systems in the specified areas. Finally, some directions are given to overcome some of the above-mentioned issues.

Implementation of avoiding electrical isolation using GSM system is done to rectify the existing problems by notifying the electrical office about the damage to the power line. These damages to the power lines are detected by the sensors which relay this information to the electrical office through the GSM system. Simultaneously a buzzer system is implemented to notify the nearby inhabitants about the damage to the power line. This, system can be used in rural and forest areas where damage to the power lines is more frequent. In case of disasters such as earthquake, this system can be quite effective to get the power running quickly and avoid any accidents due to the power lines.