

UNDERGROUND CABLE FAULT DETECTION

*A project report submitted to Jawaharlal Nehru Technological University,
Kakinada in the partial fulfillment of the requirements for the award of degree of*

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

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CERTIFICATE

This is to certify that the project work entitled “**UNDERGROUND CABLE FAULT DETECTION**” is being submitted for the partial fulfilment of requirements for the award of Bachelor of Technology in **Electronics & Communication Engineering** is a bonafide work done by **N.JOSHNA RAMYA (17815A0413), P.SAI KEERTHANA (16811A0452), A.EEPITHA (17815A0401), B.RAVI TEJA (16811A0412)** under the guidance during year 2019-2020 and it has been found suitable for acceptance according to the requirements of the university.


INTERNAL GUIDE

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EXTERNAL EXAMINER

ABSTRACT

It's a novel approach to find the faults in the underground cables, we know that if any fault is happened inside the underground cables then it is very difficult to find, especially the location. So, we propose an efficient method using this we will be able to find approx location of the fault. This paper suggests a fault detection system of underground cables by making the use of microcontroller and GSM. After detecting the location of fault in the underground cable the microcontroller alerts the user remotely through the GSM. In this project we will be reading the data of main line at every 1km (say) and if we get the standard data at all the points it means the cable is fine, but in case at any place of our sensors it is not getting the standard data it means there is fault, hence can be easily identified. The display unit is attached to the system for displaying the electrical parameter such as voltage and the distance at which fault occurs. This project is cost effective and very efficient.