

ABSTRACT

Underground cables area unit at risk of a good style of faults thanks to underground conditions, wear and tear, rodents, etc. additionally police investigation fault supply is tough and also the entire line is to be mammary gland so as to see the whole line and fix faults. Therefore here we tend to propose cable fault detection over IOT that detects the precise fault position over IoT that creates repairing work terribly straightforward. The repairmen understand specifically that half encompasses a fault and solely that space is to be mammary gland to observe the faulty supply. We tend to use IOT technology that permits the authorities to observe and check faults over the web. The system detects a fault with the assistance of a possible divider network set across the cable. Whenever a fault gets created to some extent shorting 2 lines along, a selected voltage gets generated as per the resistors network combination. This voltage is detected by the microcontroller and is updated to the user. The data sent to the user is that the distance to that voltage corresponds to. The microcontroller retrieves the line information and shows over the alphanumeric display, additionally, it transfers this information over the web to show online.

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