

IoT Based Power Lines Fault Detection

Rahul Janardan Shinde, Vasim Mansuri, Sagar L Kute, Pankaj J Shinde

Guru Gobind Singh Polytechnic, Nashik, Maharashtra, India

Abstract: *This paper helps in describing an automatic way to determine the fault in Power line and inform to specific authorities of that location. In this project, a device has been introduced which will use the incoming and outgoing values to detect abnormalities with the help of sensors. This paper deals with the straightforward concept of Ohm's law. Whenever any fault occurs in transmission lines such as short circuits, the resistance becomes small, and the current becomes too high and there is also a change in voltage. The microcontroller senses the Resistance changes and as per the programming, it provides fault information and displays the location of the fault and in which phase fault has occurred on LCD as well as on blink (Android app) with the help of Wi-Fi Module.*

Keywords: Power Lines, Liquid Crystal Display (LCD), Node MCU, Internet of Things (IOT).

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