

IoT Based Three Phase Fault Detection

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Abstract: Any distribution network is prone to faults, and intermittency in power availability creates loss for the supplier as well as user. Majorly, a supply line can be affected by conditions of overvoltage and overcorrect, also under-voltage condition. During the occurrence of any fault, the incident goes unreported for long duration. Manual reporting can lead to long outage time. To overcome this problem, we have developed signalling system that will detect the changes in voltage-current parameter, and using a microcontroller-based circuit, the faults can be classified based on comparison values obtained from rated parameters of the distribution substation.

Keywords: Internet of Things (IOT), Wi-Fi Module, Microcontroller, Temperature sensor, Transformer, etc.

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