

IoT Based Transmission Line Monitoring System

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Abstract: *Electrical power is transmitted from the generation plants to end-users at distant locations through the transmission lines. These lines are exposed to various environmental conditions and faults may occur causing power interruption to end users, damage to the power system. The fault detection has been a main objective of power system engineers, in transmission and distribution systems. Identification of fault source is tedious task; fast fault detection can help to protect the equipment before any significant damage of the equipment. The exact fault dictation can help service man to remove persistent of the faults and type the faults occur regularly, thus reducing the occurrence of fault and minimize the time of power outages. The paper is intended to detect the of fault in transmission line using an NodeMCU and the same is transmitted to control center using IoT device.*

Keywords: Transmission line, IoT, NodeMCU

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