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# IoT and GSM Based Smart Energy Meter with Overload and Theft Detection

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**Abstract:** *In this examination paper we study and plan energy meter theft alert on IOT. Electrical power theft is a noteworthy issue in power framework organize everywhere throughout the world, which is unlawful and ought to be carefully precluded. Power theft can be characterized as the use of the electrical power with no agreement with the provider. So as to kill control theft, the area of intensity theft is to be known so suitable move will be made on the lawful offenders. In this framework we decrease the human cooperation in electrical energy support. The theft of the electricity expands the costs paid by client. Henceforth this framework is utilized for the discovery of theft. The Arduino checks the fundamental meter and sub meter perusing. In the event that the distinction between the fundamental meter and sub meter is happened, at that point that theft has happened message will be show on the LCD show and furthermore getting message on telephone. Client can get message from wherever. By utilizing the purchaser number, it tends to be access on the globe at the whenever*

**Keywords***:* Internet of thing (IOT), Electric power, LCD display, electrical energy



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