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Smart Energy Monitoring and Warning System

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Abstract:Smart Energy Monitoring & Warning System analyse real time power consumption and & current. In this research an IoT (Internet of Things) based device have been developed that canmonitor and notify consumers about their real time energy consumption. If powerconsumption of a certain section or equipment is high, then user inthat area is warned about overconsumption. It is the mostsignificant demand to decrease the energy expenditure from thebusinesses. Smart energy monitoring system technique tracks theusage of energy of different regions of the plant throughout round-the-clock. By setting up alerts to notify you of excessive consumption and it also detects the need of preventive maintenance by analysing the current, voltage, frequency, power, and power factor graphs..

Keywords: Smart Energy Monitoring, current, voltage, frequency, power, and power factor graphs, Overload Warning, Over Power Consumption Warning, Over Current Warning, Internet of Things, Sensors



