

A
Report on
IOT BASED ELECTRICITY ENERGY METER READING, THEFT DETECTION AND
DISCONNECTION
USING PLC MODEM AND POWER OPTIMIZATION

A report submitted for the partial fulfillment of the requirements for Mini Project of
BACHELOR OF TECHNOLOGY
IN
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Submitted by

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINI PROJECT

(IOT BASED ELECTRICITY ENERGY METER READING, THEFT DETECTION AND DISCONNECTION
USING PLC MODEM AND POWER OPTIMIZATION)

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ABSTRACT

Today the world is facing such an environment that offers challenges. Energy crisis is the main problem faced by our society. A relevant system to control and monitor the power usage is one of the solutions for this problem. One approach through which today's energy crisis can be addressed is through the reduction of power usage in households. The consumers are increasing rapidly and also burden on electricity offering divisions is sharply increasing. The consumers must be facilitated by giving them an ideal solution: - i.e. the concept of IoT (Internet of Things) meters and on the other hand service provider end can also be informed about electricity thefts using theft detection unit and PLC modem.