

# IOT based Energy Monitoring and Management with Focus on Energy Bill

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## ABSTRACT

This project “IOT Based Energy Monitoring and Management with a Focus on Energy Bill” emphasize on application of Internet of things in electrical load management system. IOT as used in this concept is completely based on wireless connectivity deals with management of the loads through Wi-Fi modules. To be precise, this project’s objective is to monitor the load consumption by installing the project application and MATLAB application on the server. The application will calculate and plot energy usage and electricity bill. A methodology is developed to disconnect the load centre if the electricity bill exceeds a default amount. Micro controller is programed to read the overall electricity bill, calculate and trigger the MCB/ relay of the load centre as electricity bill exceeds.

