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Efficient Low Cost Supervisory System for Internet of Things Enabled Smart Home

Internet of Things(IoT) is a hot and debated subject in current digitalized era. IoT enables internet connectivity for all kinds of devices and physical objects. The current world is approaching towards virtualization of different types of systems that enables performing activities without direct physical interaction. The combination of high-speed internet and intelligent devices makes it easier to manage multiple jobs smoothly without the limitation of distances. The outstanding advantages of these promising technologies require the deployment and utilization of proper methods to handle the difficulties arise with these new applications. in the real world. This paper propose an efficient low cost supervisory system for smart home automation that can be managed using IoT. The proposed system is based on Apriori algorithm and will help to monitor and control all the home appliances and electronic devices through a supervisory system in a most efficient and reliable manner. Both the consumers and the suppliers will get the opportunity to manage the power distribution by monitoring the electricity consumption.