

Distributed Home Automation based on IoT Sensor network

[Abstract]: The advent of Internet of Things, made Internet to get deep rooted into every technological innovation to be smart, intelligent, and easy accessibility. Likewise in the Home Automation devices. This project focuses on monitoring and controlling devices with a client-server architecture in the Home remotely as well as maintaining data logs for future needs. The model is setup using Arduinos for switching appliances, secure access to house with RFID, Temperature-Humidity monitoring, motion sensors. LAMP server setup on Raspberry pi acts as a central server, an android app and Arduinos being clients. Ethernet and Wi-Fi are used to establish the client-server network.