

Home Automation System using Zigbee

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This paper presents the overall design of Home Automation System (HAS) with wireless control using ZigBee. The system incorporates extensive use of analog sensors based upon light intensity (LDR) , and temperature (LM35).The system deals with the basic need of automation in home, like switching fan as per the temperature fluctuation and switching lights on/off as per the light intensity. The system also helps in electricity conservation as it makes appliances switch off when there is no need of them or they are not functional. The system can be extended to incorporate more physical sensors so that it make life easy of residents, also the system can be extended so that every configuration can be done via cloud and smart phone application.

Index term-Temperature sensor, Zigbee, Light intensity