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Abstract

This paper presents the overall design of Home Automation System and physical environment monitoring with low cost and wireless remote control. General idea of home automation shows the quality of human being at house. Prime focus of this technology is to control the household equipment's like light, fan, door etc. automatically. In hazardous condition, it is useful for old aged and handicapped persons. Also, the smart home concept in the system improves the standard living at home. The main control system implements wireless Bluetooth technology to

provide remote access from PC/laptop or smart phone. The design remains the existing electrical switches and provides more safety control on the switches with low voltage activating method. The system intended to control electrical appliances and devices in house with relatively low cost design also for physical environment monitoring, user-friendly interface and ease of installation.

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Index Terms

Computer Science

Applied Sciences

Keywords

Lpc2148 Development Board Bluetooth Device Smart Phone Sensors Controlled Devices.