

Development of Voice Activated Home Automation System

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Abstract: Home automation is one of the major growing industries that can change the way people live. Some of these home automation systems target those with special needs like the elderly and bedridden people. The developed system can be integrated as a single portable unit and allows one to wirelessly control lights, fans, bed, and alarm, and turn ON or OFF any appliance that is plugged into a wall outlet, get the status of different sensors like (Temperature sensor, LDR Sensor, PIR Sensor) and take decision accordingly. The system is portable and constructed in a way that is easy to install, configure, run, and maintain. Project can make life easier for bedridden patients and older people as their voice command (Bluetooth Module) can trigger the control section that adjusts their bed's position. It can even control home appliances like lights, alarms, fan/AC, and TV, based on the command

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