

Voice Controlled Smart Home Using Arduino Mega Through WI-FI

by

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ABSTRACT

In this project, the household applications are controlled from a mobile phone by voice command over the internet through Wi-Fi. From anywhere in the world you will be able to see visually in your mobile the percentage level of the water tank in your home, the amount of smoke in the kitchen and the status of all the home appliances whether it is in On state or OFF state.

Using button or by voice command you can turn ON or turn OFF all the electrical loads in your smart home. The intrusion of thief in your house will be detected automatically and all the lights in the home will be started blinking with alarm sound and information will be sent to your mobile immediately. Also when the smoke level in your home kitchen is more than the dangerous level, the kitchen windows will be opened and the exhaust fan will start to work. The project can also monitor the water level in the tank that when it reaches a certain level, the information will be sent to you so that you can switch on or switch off the water pump from your mobile either by button press or by voice.

