A Survey: IoT based Home Automation using Gesture

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Abstract— Internet of things will foster billions of devices, people and services to interconnect and exchange information and data. The number of sensors getting deployed around the world due to emergence of Internet of things. In this paper, the main point that is automatic control of home appliances (On/Off) in the home and make home is smart. Existing system is control the home appliances using remote control and internet. But it is not understand by the elder people, mentally challenged people and physically disables people. So we proposed Home automation is controlling using the gesture. Hand gesture communication is a more natural and humanoid mode of communication. Hand gesture recognition is relatively complicated since different persons have different speeds and styles to perform gestures. To this aim, a methodology is proposed for the classification of gestures. There are quite a few gesture classification algorithms proposed in the literature to improve its performance and accuracy.
Key words: Home Automation, Internet of Things (IoT), Gesture Recognition, Human Computer Interface (HCI)

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