Implementing IOT based appliances are bit expensive operation when come to implanting it on home services. Expensive IOT devices are one of the reasons why there is no significant improvement in the IOT home appliances. This paper presents successful implementation of controlling the electrical home appliances by using a smart band. The smart band provides commands via Bluetooth to Android smart phone. An application has been developed for android smart phone specifically transferring the command via internet connectivity to “Ubidots” cloud server and “Raspberry Pi” fetches the command to turn ON or OFF the “GPIO” pins on which relay board is connected. It provides the automation of manual switches for control of electrical appliances.

References

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Index Terms

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IOT, Hybrid solutions, Home automation , lighting control, non-IOT implementation , smart-band