

(54) Title of the invention : WIRELESS COMMUNICATION BASED OPTIMAL ENERGY MANAGEMENT OF IOT DEVICES

1) International classification :H04L0029080000, H04W0004700000, H04W0052020000, G06F0003048600, H04L0012823000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No :NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
 Energy consumption is a universal problem, especially in huge organizations where many devices continue operating even after working hours. In this invention, we utilize IOT technology which is more efficient to control the main devices that are consuming a large amount of power. Internet of things (IOT), therefore, is an exciting solution for managing energy consumption in large organizations. The proposed system has been designed to wake up the devices to start operating at particular schedules based on the working hours of the organization. In our proposed system, we consider large organizations such as universities and institutions. In our invention, our proposed system is designed to power off the main devices. If there is any device still in operation beyond schedule, the system will send a notification to the manager of the institution. Our proposed system has been designed using Arduino mega as a main controller. Also, the module SIM800L GSM has been used to make the communication for notification cases, and the Relay 8 CH has been used as electronic switches for the devices.

No. of Pages : 9 No. of Claims : 6