Design and Implementation of Smart Office Automation System

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Abstract

Automation plays very important role in our lives. It makes the work easier and simpler so for simplified and easy living, Smart office automation system is designed in this system. This system is based on subsystems like lighting, heating. Security and alarming systems are also present. The sensors are used to extract the real time data from environment. Sensors are connected to the ARM 11 Controller. It processes the data and gives the output. Fan, bulb, buzzer are output devices connected to the controller which will work when the system crosses the threshold value. The sensor’s data is continuously recorded. Fingerprint Identification module is used for security purpose. Fire alarm and emergency call is given to the service room. This data is stored in PC. This data can be viewed on other PC’s through Network switch. The data can be seen on the webpage and on GUI.

References

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Index Terms

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Keywords

Office automation system, Security and alarming systems, emergency call.