Paper Review

Title: - Wireless sensors for wildfire monitoring

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Summary

Monitoring wildfires with wireless sensors and reporting field test results. It is made up of environmental monitoring that collect relative humidity, and temperature, that is connected to a wirelessly network. The network then communicates with the base station, which is used to sends the data collected to software which is running on a database server. A browser web application communicates with the database server and used to access the data.

Strength and weaknesses

Wildfires frequently are occurred in the environmentally delicate areas such as parks and forest, environmentally which are economically sensitive urban-wild land interface. Environmental which are used to track the terrains must be environmentally **suitable**, and it is necessitates the use of instrumentation that is simple to install and have low maintenance, non-toxic, and preferably low in cost. wildfire monitoring system was created to be a platform agnostic, easy to implement and the use in high stress situations, which does not require any training to operate after deployment.

The data which is collected from the network is first stored in a database, then the data is queried interacting with a web server database bridge. Then system enables it to access with the web browser. web application which is usually written as a collection of user-friendly web pages that abstract of database which is used to operation from the user. Each component of system, including available network, database server and web server. Then the component of the system communicates with others with the help of well-defined interfaces, making implementation much easier.

They used TinyOS operating system which is designed specifically for programming small devices with embedded microcontrollers as well as controlling radio and serial communication. They also employed the nesC programming language (network embedded systems C.

They tested the product with the base station, and database server and client computer and it will successfully deploy and produces the exact result.