SMART HOME & SENSOR AMBIENT MONITORING

UTM UNIVERSITI TEKNOLOGI MALAYSIA

DESCRIPTION

The Smart and Secure Ambient Monitoring System offers an integrated security and automated living system for houses, offices, shops and other suitable premises. The system is designed to have a small footprint for easy deployment and cheap maintenance. Moreover, this system utilises ubiquitous technology and could be accessed almost anywhere at any time.

Needs

a) Most attractive to younger generations.
b) Safety and security features.
c) Advanced electronic sensors.
d) Use of wireless technology Wireless Sensor Network (WSN).

Application

a) The framework comprises of home infrastructure sensors such as camera, audio, pressure, motion and appliances capable of notifying their status in addition to body sensors of various types such as accelerometer. The TelG mote is an alternative
b) solution with a cheaper cost that provides customers the opportunity to engage in WSN for real-time monitoring of their homes.

Benefits

a) Saving energy and controlling safety in whole house.
b) Control of home appliances
c) Entertainment control and home health.
d) The system is user friendly and allows for web-based and GSM network access seamlessly. Strong password protected security and robust features are included onboard.

Targeted Market

a) Consumer awareness.
b) Industry/ Industry and Business developer.

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