

Abstract

Research Title : An Electric Energy Management for Smart Classroom by Using Multi sensor

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The main objective of this research is to study and develop an electric energy management for a smart classroom by using the multi sensors. When the multi sensors work as specify, the system commands the multi sensors to begin or finish for working. The system composes of hardware and software to control all processes in the system via a microcontroller. As well, there is a controller programming to receive any values from the multi sensors. After that, the system measures the electric energy values from each of electrical equipment in a classroom. And then, the system stores the electric energy values also represents to the researchers at last. As a result, the system can help for saving an electric energy in efficient way. Furthermore, the researchers can analyse a result of the research in order to find the way for saving an electric energy.