Abstract

With the rise in technology, one can accomplish things at a much faster rate and with a touch of a single button. Handheld aims at empowering a single user to control various LED panels that have been installed on various floors in various rooms of an educational institution. Handheld basically controls and receives information from an intelligent lighting system incorporating a graphic user interface and the touch control technology. Not only is it convenient to use but also saves electricity[10].

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**Index Terms**

- Computer Science
- Electronic Systems

**Keywords**

- Interfacing of GLCD with ARM7 controller
- Lighting systems
- Central control
- Packet design for serial communication