



Intermind

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CASE STUDY // **SMART LIGHTS**

Light Controller with LDR & PIR
Sensors

August 2017 | Version 1.0

Technology/ LAMP Stack: Linux –
Apache – PHP – MySQL (Open
Source), Arduino embedded
platform with custom firmware
development using C++, Android
mobile application development

A premium co-working space based out of Mumbai, India was looking out for a light automation solution that would help them optimize the use of their office lights in order to manage their electricity bills.

Intermind designed an IP based light controller integrated with LDR (Natural Light Detector) and PIR (Passive Infrared) sensors. The light controller could automatically shut down LED light source or dim filament light source either in case of absence of any person or presence of sufficient natural light source, which helped in reduction of energy consumption. The light controller was also integrated with a mobile application we developed, running on tablet PC and served as the management dashboard to the building facility managers. The light sources throughout the building could be controlled by facility managers from their mobile app dashboard.

This feature brought in reduction of energy consumption, ease of light management and a check on the points of highest consumption and their maintenance.



M: +91-9167165872
E: info@intermind.in

Features

01. Smart Light Control Features
02. Natural Light Detector (LDR) sensor integration
03. Mobile app integration with Real time light source notification status on the app dashboard
04. Controlling the light source from the mobile app dashboard

Application Uses

- Corporate Offices
- Co-Working Spaces
- Residential Buildings

Intermind is India's first truly 360° Digital Agency. Our services include Internet of Things, Virtual & Augmented Reality (Mixed Reality), Wearable Technology, Web & Mobile Applications & a Digital Marketing Suite consisting of Search, Email, Social & Content Marketing.

Some of our key clients include NSDL, GVK, Tech Mahindra, Tata Nelito, Commonwealth Handling Equipment Pool, Asian Paints, Anchor Panasonic, Senco & Renuka Sugars.

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