

Automatic Lights using PIR Sensor

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Abstract: *Automatic Room Light Controller Using Arduino and PIR Sensor can be used to turn ON and OFF the illumination system of home / office routinely by sensing the existence of human [1].” Such Automatic Room Lights structures may be applied on your Classrooms, college cabins, garages, staircases, bathrooms, etc. wherein we do now no longer want steady mild however best whilst people are existing”[1]. Also, with the help of this system, we will shop the electricity invoice as energy can be fed on best whilst human is gift i.e. whilst required lighting fixtures can be spontaneously became ON or OFF. The paper contains system of Automatic room light using Arduino, PIR sensor and relay module. PIR sensor will detect the movement based totally on reaction of PIR sensor will perform accordingly. Proposed approach can assist us to lessen the intake of electricity.*

Keywords: Room light, Arduino UNO, PIR, relay unit

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