

Abstract

Lighting is a primary need for all human beings to facilitate daily activities both indoor and outdoors, but sometimes excessive lighting becomes a waste of energy. Therefore, an automatic light and curtain control system was made. By using an embedded system, the lights and curtains work according to the intensity of the incoming light. The lamp and curtain control system is regulated by the Fuzzy logic method and uses a BH1750 light sensors to detect the light intensity around the room. The system that is built can work following the light outside and inside the room.

Keywords: Fuzzy logic, Embedded system, BH1750