

A  
Report on  
AUTOMATIC INTENSITY CONTROL OF STREET LIGHTS USING SOLAR PANELS  
AND WIND FAN

A report submitted for the partial fulfillment of the requirements for Mini Project of  
BACHELOR OF TECHNOLOGY

IN  
ELECTRONICS AND COMMUNICATION ENGINEERING

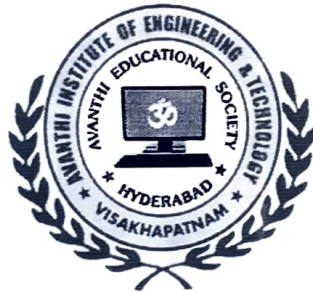
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# AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**MINI PROJECT**

**(AUTOMATIC INTENSITY CONTROL OF STREET LIGHTS USING SOLAR PANELS AND WIND FAN)**

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## **AUTOMATIC INTENSITY CONTROL OF STREET LIGHTS USING SOLAR PANELS AND WIND FAN**

### **ABSTRACT**

In olden days' streetlights are controlled manually. So, there is a manual work to on and off the streetlights. By this there is a chance to forgetting to turn off the streetlights. And turn off earlier even the sunset is not occurring. By this the usage of electricity is high and wasted. To avoid this problem this project, provide a solution. In this project the streetlights are automatically controlled. For this no need of human to be worked. These days' automation of streetlights is emerged. But there is no need of high intensity in peak hours i.e.; when there is no traffic and even in early mornings. By reducing the intensity in that time energy can be saved in some extent. In this project there is no need to provide external power supply. Because by using solar panels and wind fan can generate electricity wind produced by the moving vehicle and sunlight absorbed by the solar panels. And those energies are stored in a battery. So that at night time we can use that electricity by making streetlights automatic intensity controllers. So there is no need of spent more time and attention on streetlights, which are having low maintenance and some initial cost is high.