

**ESTIMATION OF ENERGY CONSUMPTION DUE TO DIFFERENT LIGHT  
BULB**

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**Final Year Project Report Submitted in  
Partial Fulfilment of the Requirements for the  
Degree of Bachelor of Science (Hons.) Physics  
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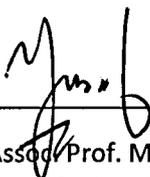
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## **ABSTRACT**

### **ESTIMATION OF ENERGY CONSUMPTION DUE TO DIFFERENT LIGHT BULB**

This study presents the distribution of illuminance, heat generated, potential energy saving and cost saving of lighting due to different types of light bulb in residential building. The selection of bulb were made based on different area of the house which require different illuminance level. From this experimental work, the bulbs were listed according to its performance in terms of illuminance and low heat radiation. The analysis shows that LED light bulb performs the best besides low energy consumption and cost of operation compared to incandescent, fluorescent, CFL and halogen light bulb.