



GENERATE ELECTRICITY BY WASTE MATERIALS

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ABSTRACT - we used waste material to generate electricity. The material we used in this project is an electricity-generating jar box. Waste materials like plastic, paper, and others. Then, we burn those Materials in jar box and when burning starts the heat goes to the heating penal than the heating penal converts the heat into Electricity then we store that Electricity in a battery and use that Electricity for bulbs glowing, and many other work.

This is a live demonstration of an idea for creating electricity out of plastic and waste materials. In this paper, the output power supply is off when the electricity is first being stored because we're using a heating sensor. However, once the electricity has been perfectly stored, the heating sensor turns on the output power supply, and an LED bulb begins to glow.

I. INTRODUCTION

The purpose of this project is to generate electrical energy from bad materials like plastic, rubber, garbage, and bad stuff, store that electrical energy in the battery through the circuit and use that electrical energy to operate the whole project. And the LED bulb is shown to be turned on In this paper when burning starts then heating generates and the heating penal start converting heat to electricity and that electricity we can see on a multimeter display, we can see how much voltage generate by waste materials and we electricity generating perfectly then automatic heating sensor on the output power supply then Big LED Bub start glowing and our idea everyone can see in live working, Our Idea 100% work for generate electricity by waste materials. So this is our best live working idea Filter Pollution Control Filter - In This Idea, we show a theoretically Idea Based Pollution Control System, In this project When Smoke generates then smoke goes ty a pipeline water tank then on the water's top surface corban starts collecting, and the water can not heat so there we used water colling filter that filters cool the water again and again and in this idea only we control corban pollution so we collect on water tank upside corban by smoke.

II. METHODOLOGY AND BLOCK DIAGRAM

The first step before the project implementation was to review the project scope and research area. Then the next task was to Design the mechanical structure and electrical structures of the conveyor belt which is to be built. Then, if all the design had been finalized, the hardware and circuitry implementations took place. Reaching the pick of the project, the programming segment Took place, especially for the heating penal output, heating sensor sensing process, and Output to the LED Bulb glow.

Last but not least, certain modifications in circuit and software took place to make the system perform in finer Movements. Thus, a troubleshooting process also took place to Correct certain faulty processes while the system was performing its task.

2.1 Block Diagram

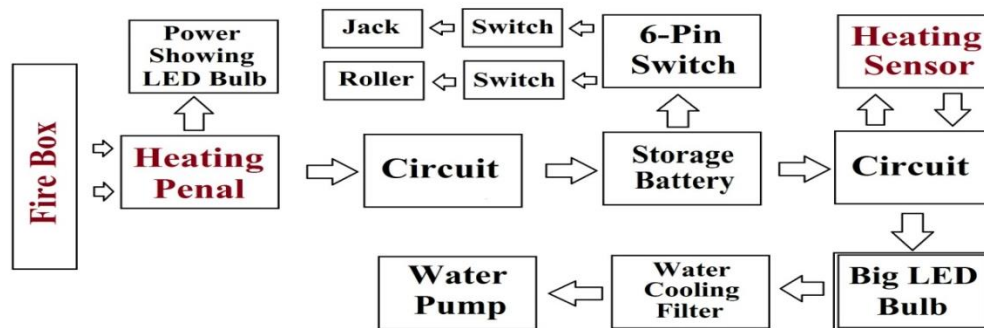


Fig.1-Block diagram

2.2 Basic Working Of Block Diagram

In This Block Diagram, you can see when we burn waste materials and a firebox then heat generating and the heating panel starts to heat convert electricity and after that, that electricity we can see by LED Bulb glowing and that electricity goes to the circuit and after that in battery and start storing power and when electricity store in battery then heating sensor turn on the output power supply and LED Bulb start glowing and smoke go to the water tank and filter system start controlling pollution.

2.3 Circuit Diagram

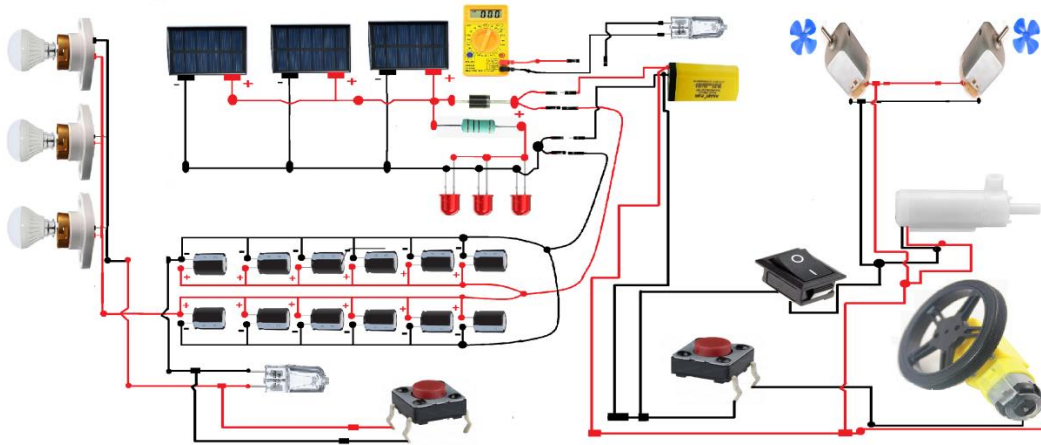


Fig 2 -Circuit Diagram

2.4 Working Principle Of Project

Simply put, a Heating panel works by allowing photons, or particles of light or heat, to knock electrons free from atoms, generating a flow of electricity. Heating panels comprise many, smaller units called photovoltaic cells. (Photovoltaic simply means they convert heating or light into electricity.)

2.5 Heating Penal Working

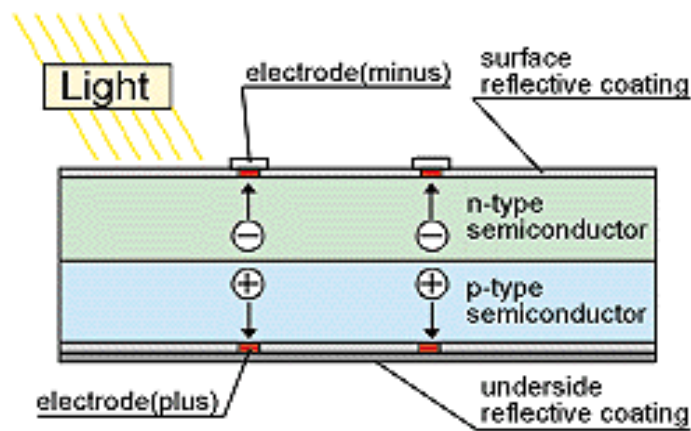


Fig. 3 - Heating Penal Working



III. CONCLUSION

When we finished our project, we checked its functionality. It was excellent, running continuously without any interruptions, so we could utilise it in our fields or industries and have it perform flawlessly there without any issues. This is our project concept, and we are fully committed to it. Therefore, our conclusion is excellent because our paper's plan is to work on our prototype paper