

WORK TO ENERGY

T JOHN INSTITUTE OF TECHNOLOGY / SECOND SEM

PROBLEM STATEMENT

When there is power cut in the home, it is not possible to charge the phones when in the case of urgency

TEAM MEMBERS

Shreya K Prabhu
Yugitha B
Arti Kumari
Anurag Singh

INTRODUCTION

Generating electricity from bicycle which can be able to charge up our phones.

IDEA GENERATION

The material and the required components which were required to make this prototype were-

DC Motor, USB cable, red and black wires, car charger which already included the components diode, transistor, capacitor, and LED bulb for indication.

What we did was connecting DC motors to this car charger components and then connected a USB cable at the other end. At the side of DC motor we connected a plastic rubber tyre which get in contact with cycle rim.

Once this prototype was finished we connected the phone to USB charging cable and checked whether our phones were getting charged. The more faster we peddle the cycle, faster the phone get connected and phones will start charging. The power output totally depends on fast we peddle our cycles.

PROTOTYPE IMAGES


