



CHARGING BIKE STATION WITH ELECTRICAL EMPHASIS

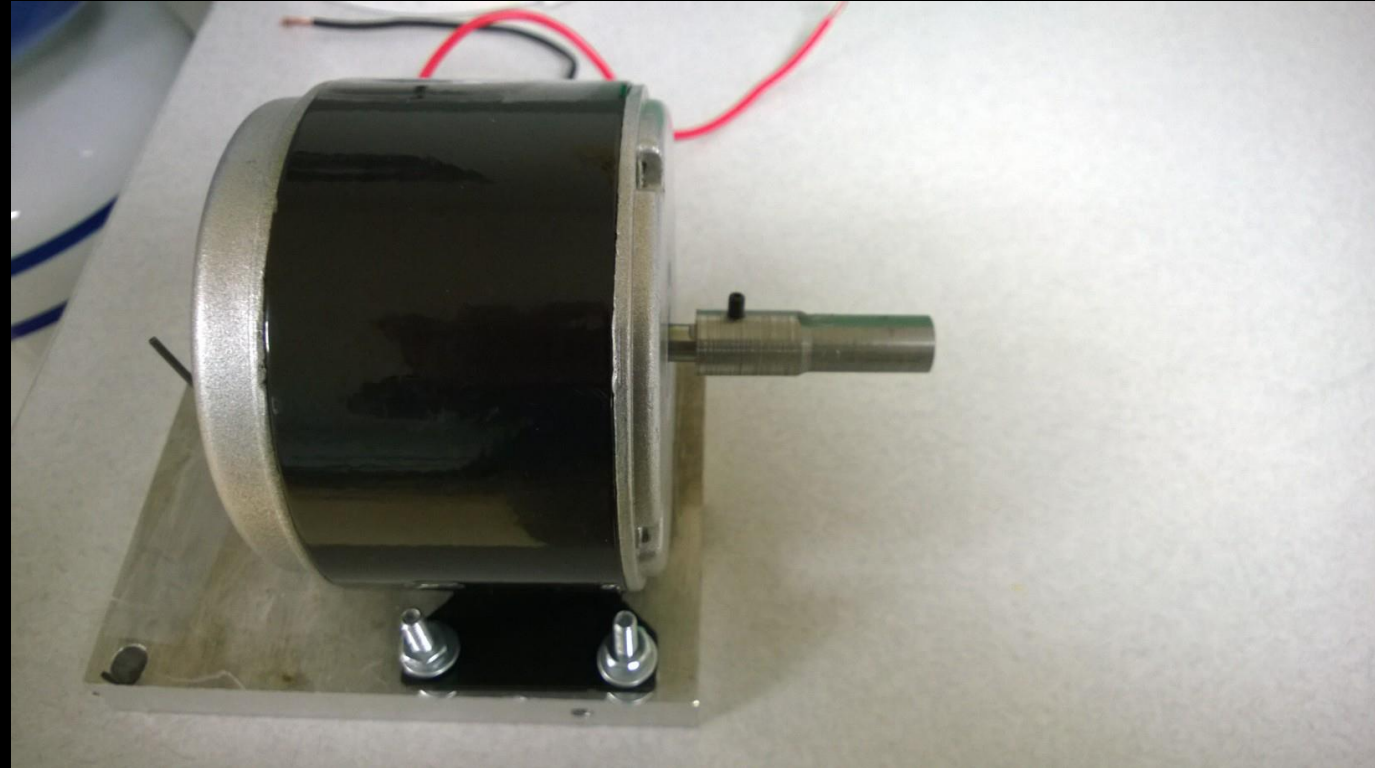
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OUTLINE

- Generator
 - Coupler
 - Testing
 - Potentiometer
- Power Cable
- Display
 - Raspberry pi
 - Programming
 - Resistive Touch Screen
 - Frames & Games
- Project Plan

GENERATOR

- Coupler
- Testing
- Potentiometer



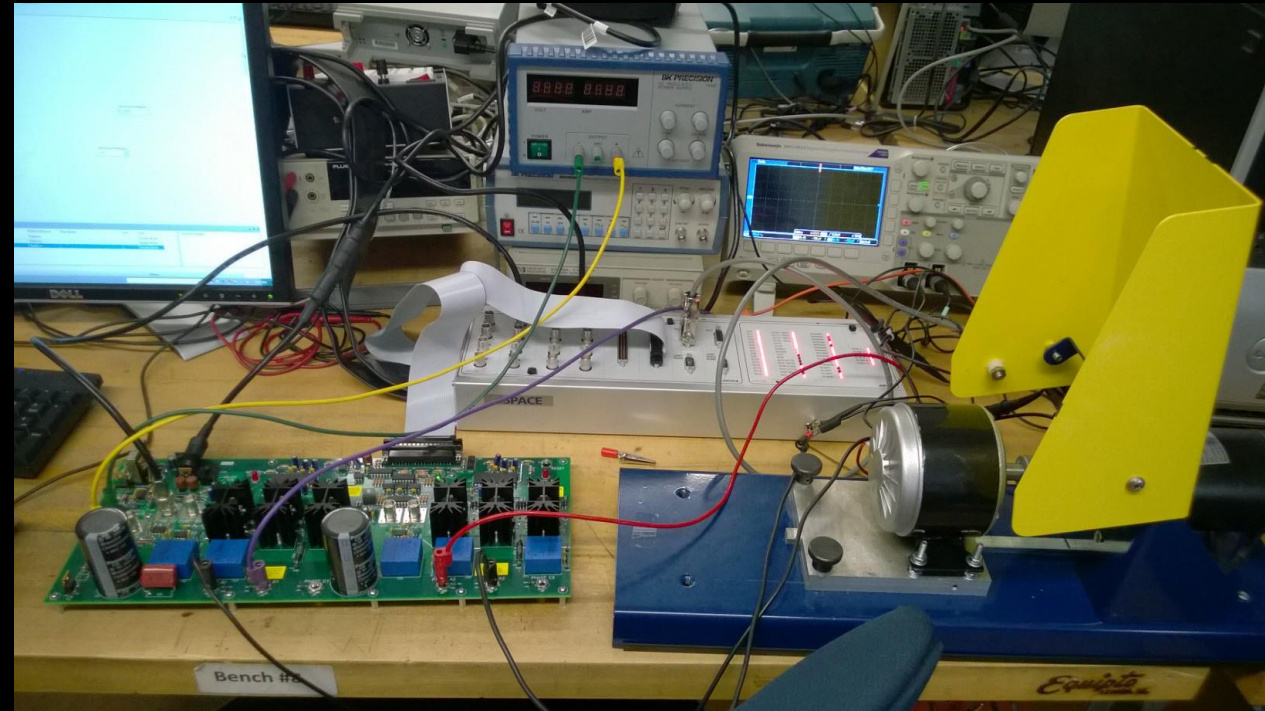
COUPLER

- The Mechanicals created the coupler



TESTING

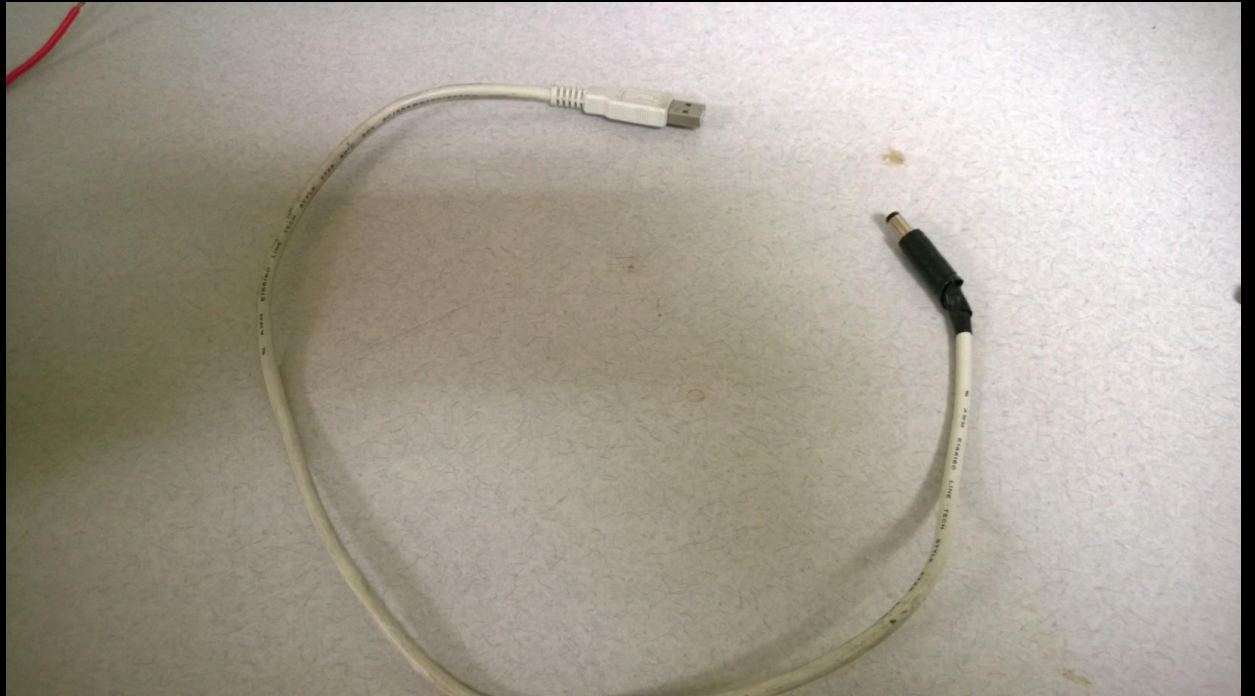
- We used the coupler to attempt attaining readouts of
 - Power
 - voltage, and
 - current
- The team was able to get up to 1000 RPM's



Dhillon

POWER CABLE

- Created a 5-volt cable
- Powers the display off the raspberry pi



POTENTIOMETER

- A three terminal resistor
- A variable resistor or rheostat
- Used to measure electrical potential



http://www.aliexpress.com/promotion/electronic_potentiometer-10k-ohm-promotion.html

Devine

DISPLAY

- Raspberry Pi
- Programming
- Frames and games
- Resistive Touchscreen



Display Kit

Devine

PROJECT PLAN

- Finalization of generator testing
- Calibration of touch screen
- Frames and Games
- Super Capacitor
- Complete the circuit
- Mount the generator