

GENERATING ELECTRICITY USING THE ENERGY IN THE GYM

- I. INTRODUCTION
 - A. Giving people another incentive to workout
 - B. Thesis
 1. Brief explanation of how the product (Gymetrify) works
 2. Main Benefits
- II. HOW IT WORKS
 - A. Main component
 1. Generator that turns mechanical energy to electrical energy
 - a) Wire coils spin through magnets to conduct electricity
- III. SIMILAR APPLICATIONS
 - A. Idea applied on bikes
 1. Example: Cyclerate
 - a) It generates electricity that powers a cube structure
 - B. Difference between the Gymetrify and bikes
 1. Targeted to gym facilities and companies
- IV. AIMED TOWARDS
 - A. Companies that make gym equipment
 1. Precor's Lat Pulldown
 - a) How to apply the Gymetrify as part of the machine
 2. Concept's rowing machine
 - a) The design makes it very easy to apply the Gymetrify
 - B. Gym facilities
 1. Gymetrify can work with many different types of gym equipment
 2. Cannot work with machines that use electricity
- V. BENEFITS
 - A. Reducing carbon footprint
 1. By generating electricity, it decreases the use of other conventional methods of obtaining energy. (Ex: Fossil Fuels)
 - a) Fossil Fuels harm the environment
 2. Islamic Perspective
 - a) Allah (SWT) orders humans to take care of this Earth
 - B. Help the facility and its members
 1. With the members helping the facility by generating electricity, the facility can reduce fees.

- a) The Prophet (PBUH) explains how Muslims support each other
 - C. Reward for the Hereafter
 - 1. The Prophet (PBUH) says that if someone helps or benefits someone else, then he gets good deeds.
 - D. Generating back-up electricity
 - 1. In case of a shortage of electricity
 - E. Profit
 - 1. If the facility decides to sell extra electricity to companies willing to buy.
- VI. DIFFERENT USES
 - A. The individual can benefit
 - 1. Instead of the electricity going to the facility, it can be used by the individual as a charging station.
 - B. Making the product universal
 - 1. Idea is still in progress
- VII. FINANCE
 - A. The financial aspect is very simple
 - 1. It is a very simple product making it affordable
 - B. Materials
 - 1. Generator
 - a) Main component
 - 2. Wires
 - a) They provide extra mobility and help the Gymectrify be restricted to a certain location
 - 3. Battery case
 - a) Used to output the electricity into a battery
 - b) Can be an interchangeable part
 - 4. Additionally, there can be a flywheel
 - a) A pulley system with a counterweight that allows the user to repetitively pull
- VIII. DIFFERENT PARTS
 - A. Different generators
 - 1. A machine that requires more repetitive motion needs a better generator (rowing machine)
 - 2. Customizing the amount of electricity to fit certain machines
- IX. CONCLUSION
 - A. Restating important points
 - 1. Benefits, finance, universal capability, different applications