

# TAMU-Q Green Gym

## What's the problem?

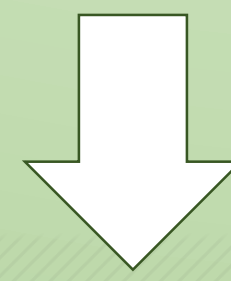
TAMU-Q is a big building, so a lot of electricity is being used and we do not have our own gym for students, faculty, and staff to get exercise. Therefore, our innovation is electricity-generating exercise equipment.

## Benefits

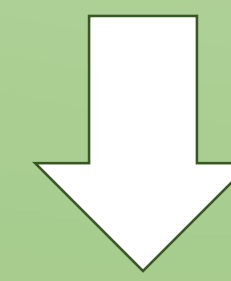
- Cheaper than regular gym equipment
- More convenient for TAMU-Q community to use
- Promotes ways of generating clean energy



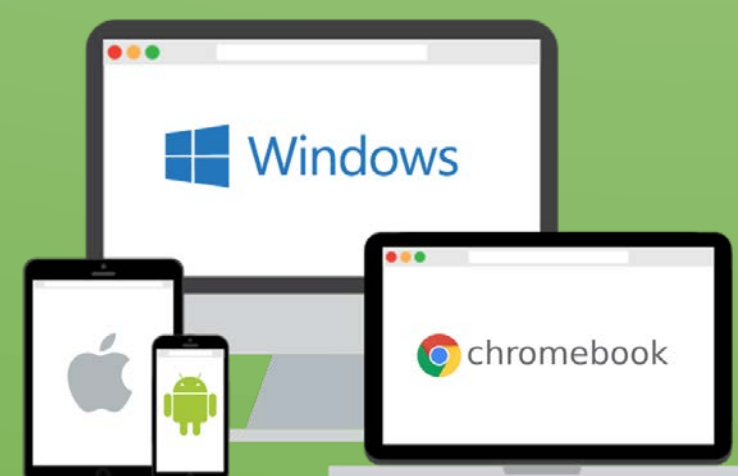
Kinetic energy is formed from peddling



Kinetic energy is converted to electrical energy in the electrical generator



Electrical energy is stored in batteries



Electrical energy can be used to charge phones, laptops...

## Why is the innovation useful for the TAMU-Q community?

All of the TAMU-Q community will benefit from this gym. It encourages students, faculty, and staff to exercise and it will help everyone to maintain their health. Additionally, their energy is not wasted as they can produce electricity to charge their devices while exercising.

## Challenges

- Useless if no one uses the equipment
- Does not produce a significant amount of electricity (can only charge mobile phones and laptops)
- Needs space for the equipment