

## Aim of our project

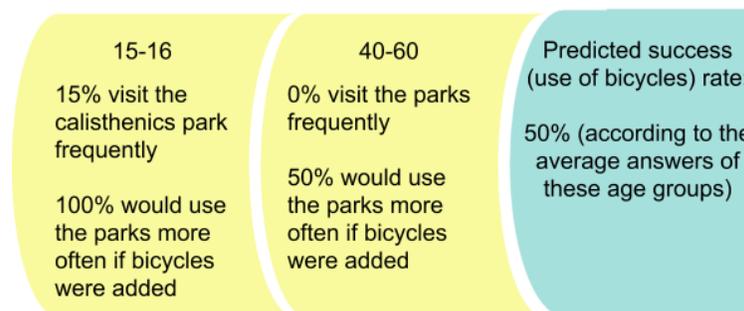
RE-cycle is a project that aims to increase the use of clean energy while also educating the public about climate change and environmental issues. Our group was keen on creating a project that would educate the public on these topics while also getting them actively involved in the solution. As a group, we are aware that our country (Turkey) hasn't taken many steps on preventing climate change and global warming. As the younger generation, we are worried about our future, we have taken it upon ourselves to be the ones to speak up and take action against these environmental problems.

## Sustainable Development Goals

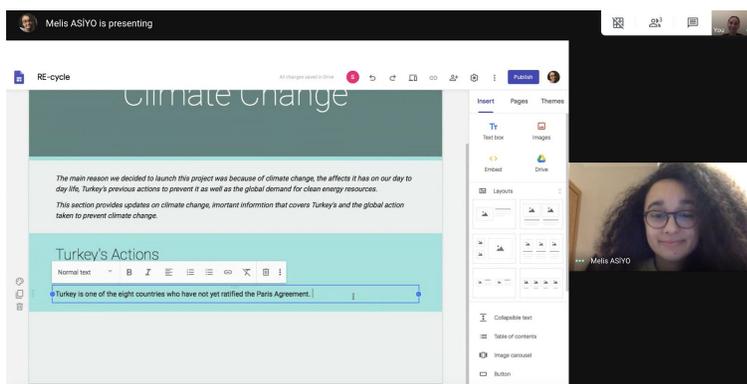
Sustainable Development Goals addressed by our project, 3, 7, and 11. Which are: Good Health and Well-being, Affordable and Clean Energy, and Sustainable Cities and Communities.

## Our Project

RE-cycle is an initiative that proposes to place bikes that generate clean energy throughout the cities gyms, parks, and calisthenics parks. The bicycle will remain stationary as individuals ride it, the kinetic energy that is produced will be stored in a compartment that is connected to the bike. Once the storage for the energy is filled it can be taken out and used to power street lights, houses, schools, and so on. We also plan on putting a board next to the bicycle, the board would have information on what the bicycle does, tips & tricks on how to become more eco-friendly and environmental issues.



## Experiences of our Team



Both of our team members have been participating in FRC (First Robotics Competition) for two years. Our team NoktaParantez 6431 competes in annual competitions. Our member is on the business side of the team and interested in the



# RE-cycle

team's Business Plan and Entrepreneurship. Our team members also participated in the Technovation Challenge this year. Technovation is a competition that encourages girls to code and to advance themselves through entrepreneurship by solving a problem in their community. They gather girls from all over the world to learn and to apply the skills needed to solve real-life problems through technology. In this competition, they designed an application called "Quake". The purpose of this app is to show what to do before, during, and after the earthquake.

## Our Successes

We do not have any failures but we have success and we thought Sustainable Development Goals to our community. We also brought awareness about climate change.

## What we have learned and skills that we gained during GSL Adventure

We;

- Learned how to design a 3D prototype
- Learning about our countries and global issues
- Environmental issues that we face every day
- How to educate ourselves as well as others
- The effects of greenhouse emissions and air pollution.

Generally, the experience so far has led to us becoming more self-aware about our country and our world. Our skills in research and filtering that research has developed immensely since the start of our project since it has required us to do so. We have each discovered a passion for design thinking, while also constructing and developing an idea. The project and product that we have set out to create require many skills to achieve. These skills varying from coding, mechanics, marketing, and researching. Our team is experienced in the fields of business, marketing, and media however to accomplish what we envision requires us to broaden that set of skills and evolve.