

Empowering disadvantaged communities through clean energy education and innovation, fostering academic programs and real-world collaboration between students and industry professionals.

• Brief Description:

- Pioneering project integrating renewable energy technologies into educational curriculums.
- Focus on practical, hands-on learning experiences for students in disadvantaged communities.
- Utilizing cutting-edge materials and equipment to foster innovation and sustainable practices.

• Sustainability Goals:

- Contributing to the clean energy transition and reduction of carbon footprint.
- Educating the next generation of leaders in renewable energy and sustainability.

• Materials Utilized:

- Solar Panel: Harnessing solar energy for clean power generation.
- Fuel Cell: Converting chemical energy into electricity with high efficiency.
- Battery Bank: Storing energy for consistent, reliable power supply.
- Electrolyzer: Facilitating the breakdown of water into hydrogen and oxygen.
- Inverter: Converting DC power from solar panels and battery bank to AC power for practical use.

• Educational Impact:

- Providing students with direct exposure to renewable energy technologies
- Enhancing STEM education and fostering a passion for sustainable practices
- Encouraging innovation and critical thinking through real-world applications

