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Reflection on Technical Innovation Project

The Technical Innovation Project allowed me and my classmates to collaborate with one another to create an engineering innovation. We had to create a technical description of this innovation and explain the process of the innovation itself, while also going over some details about it. When doing this assignment, I learned many new things that will benefit me in the future such as working with a group, gathering information, etc. At first, we had a group meeting after class where we all split our parts in the way we thought was the fairest, and worked on them. My parts were to research and write about the necessary costs for our innovation before and after implementing the solar panels in the electric vehicle, as well as the time and labor necessary to make this happen. When finding this information, I had to be very accurate as there are many different vehicles and not many people are familiar with electric vehicles. The hardest part was probably finding the price of the solar-powered electric vehicle. Since this invention isn't common, I had to calculate the price myself by finding out the costs of the solar panel, the amount per watt, then adding it up to the costs of the electric vehicle. Looking at the energy needed for solar energy to give power to houses and then comparing it to the energy needed for vehicles is what helped me achieve this. After gathering all the research and writing it down I then had to put the information into slides and make them simple yet appealing to the audience. I had to deliver the necessary information while also making sure it wouldn't be too much for the audience to get bored with. I used bullet points as it was the best way to achieve my goals.

This assignment allowed me to achieve the course learning outcomes of this class. I was able to explore and analyze a variety of genres. When searching for information and articles about electric vehicles that would be appropriate for this assignment and have some of the elements necessary for me to analyze it, there were plenty of genres I had to search through. Some were extremely long and informative, some were very simple and made for school assignments, and others had a balance that was perfect for this assignment. Analyzing each of these articles allowed me to choose the best ones to use. Another learning outcome was developing strategies for reading, writing, collaborating, revising, and editing. When reading and searching, I had to plan it out where I would skim through each one and write notes about them. After this, I looked at my notes and took the articles which suited my paper the best. When it came to the writing part, I strategized it by separating each element into categories and then putting the information into them. Using this information from the articles I put under bullet points. When I started the final draft, this helped me a lot as I had the information necessary right in front of me. In terms of collaborating, I had to work with my classmates. I made sure that the information I used for my part was accurate by comparing it to other articles and comparing the information. I also had to ensure that there was no bias, by confirming that the writing was strictly informative and that there were no opinions or false information inside the articles. Some strategies I used to approach this writing assignment was planning ahead of time and starting a template to plan and get my ideas together. I have used this process before and so far, it has proven to work well. Overall, these are the learning outcomes that I was able to achieve in the class, and the strategies that I used to complete this assignment.