

## Reflection Paper

It was an enjoyable experience for me to collaborate on an engineering proposal with a group of mechanical engineering and computer science students. We were given the challenge of creating a proposal for a smart thermostat that would use mechanical and computer science knowledge to address a pressing issue of climate change. Working a group helped me fulfill the course outcome of developing and engaging in the collaborative and social aspects of writing. We were able to build on each other's ideas, which helped us to create a more comprehensive and effective proposal.

The target audience of our engineering proposal is three significant individuals in the fight against the climate crisis: Doreen M. Harris, Vlada Kenniff, and Lisa Bova-Hiatt. As the President and CEO of NYSERDA, Doreen M. Harris plays a critical role in implementing sustainable energy policies and initiatives across New York State. Vlada Kenniff, the Interim CEO of NYCHA, and Lisa Bova-Hiatt, the Senior Vice President of Sustainability, are both highly influential figures within NYCHA and have the authority to provide us with access to the Forest Housing Project and other essential resources required for the development and testing of our device.

Our proposal's main purpose was to ask for permission to use the Forest Housing Project's property for testing our smart thermostat, which is intended to fight climate change by encouraging energy saving. We have carefully described the problem, our suggested solution, its advantages, and a step-by-step strategy for the testing process in order to persuade our target audience. By providing our proposal, we are sure to establish our authority and the possible benefit of our suggestion in the battle against climate change.

The exigence of this proposal is to address the climate crisis by promoting energy conservation. The rising use of cooling and heating devices contributed to climate change, and urgent action is required to reduced its impact. Therefore, the proposal aims to research and promote devices such as the smart thermostat, which can help reduce energy consumption and limit carbon emissions. While this solution may not solve the problem entirely, it is a crucial step toward fighting climate change and preserving the environment for next generations.