

Edgar Sanchez

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Working on this engineering proposal and presentation was a valuable experience because it gave me a better understanding of how teamwork plays a major role in engineering projects. Our group had four members, and from the beginning we wanted to stay organized and communicate effectively. To make that easier, we created a WhatsApp group chat where we could constantly stay in touch, share updates, ask questions, and help each other throughout the assignment. Having that group chat made communication much smoother because everyone was able to quickly respond and stay informed about the progress of the project.

One thing I think our group did really well was splitting up the work evenly. Instead of one person doing most of the project, we talked everything through together and decided which sections each member would complete. Everyone contributed equally and stayed responsible for their part, but we also supported each other whenever someone needed help or feedback.

Our project focused on creating a Smart Power Electrical Fire Prevention Strip, which was designed to help prevent electrical fires before they happen. The idea was especially important because many older buildings in New York City still use outdated wiring systems that can slowly overheat without triggering traditional breakers or fuses. Our proposal explained how the device could use heat sensors, current sensors, microcontrollers, and relay switches to monitor electrical activity and automatically shut off power if dangerous conditions were detected.

Overall, this project taught me a lot about communication, teamwork, and engineering design. It showed me that successful projects are not only about having a good idea, but also

about working together effectively and staying organized throughout the process. I feel like this experience helped me improve both my technical understanding and my ability to collaborate with others, which are both important skills for engineering and future careers.