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Drone Career Readiness Online Challenge

Aerial Drone Competition - 2024

Aerial Drone Competition has given our team significant lessons and experiences that will help guide us for future career opportunities. Throughout the year of learning new techniques and skills, the Search and Rescue drone pilot (SAR) is one of the other numerous careers that require specialized drone expertise. A Search and Rescue is a person who operates a drone to locate people in distress or people who need medical attention in a remote area. For insight, a drone is classified as an unmanned aerial vehicle meaning Search and Rescue is required to use remote controls or automated software to control the drone. To be more precise, Search and Rescue pilots can control drones using remote controls or automated software to be able to control the vehicle for the entirety of its mission, ensuring that it safely takes off, flies, completes its objective, and lands. Although it comes with its perks, Search and Rescue pilots are allowed for easy access to secluded, small areas, to ensure the mission is successful. That requires, safely taking off, flying, landing, and completing its objective. Overall, our team decided to choose the Search and Rescue drone pilot because it educates people to be patient, have problem-solving skills, and have good communication with peers.

One significant characteristic respectable people are required to have if taking the job of a Search and Rescue drone pilot is patience. While doing rescue missions you need to be able to wait for instructions on when to operate, how to follow important steps, and when you should start the command. However, if you do not have the essential skill of waiting then you could potentially risk a person dying or failing to complete a mission. This could result in an end to

one's career which would go on your permanent record.Another important aspect is being able to problem solve when under a stressful environment. Due to this fact, sometimes there can be an obstacle that can prevent you from reaching your goals, such as the remote breaking, battery dying, and many other possible scenarios. In a situation that requires problem-solving skills, emergency calls from people in distress. To the best of the team's ability, you would need to de-escalate the situation, find the goal, develop a plan, execute the plan, and continuously improve.

Another equally important reason that indicates having problem-solving skills may come in handy is when there is a technical issue that requires quick-witted and resourcefulness. Due to the short period, this allows the Search and Rescue drone pilots to get around obstacles using the area around them and be able to make fast decisions. Additionally, drones are naturally complex machines that require the coordination of various team members to move and operate smoothly. Without team members working together efficiently and effectively, the drones would be unable to function properly. Secondly, with so many moving parts and systems in drones, it is essential that team members are aware of each other's roles and tasks to avoid conflicts and errors. This requires clear communication, coordination, and cooperation for the smooth operation of the control of the new technology that is drones. In brief, all the important required skills mentioned above that our team spent exceeding, competing, and practicing for the Aerial Drone Competition will help elevate our ability for future computations and open opportunities.