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MEDICINE DELIVERY DRONE

Presented by Team Drone

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Intro

Project Overview

Our project is all about using drones to deliver medicine to customers. When a customer orders medicine from a pharmacy, like Apollo or Med+, the pharmacy gets the order and sends the customer's location to our drone center. The drone then flies to the pharmacy, lands with a slight delay, and a pharmacy worker puts the ordered medicine in a special delivery box on the drone. After a short wait, the drone takes off and autonomously flies to the customer's location to deliver the medicine. This project makes medicine delivery faster and more efficient.

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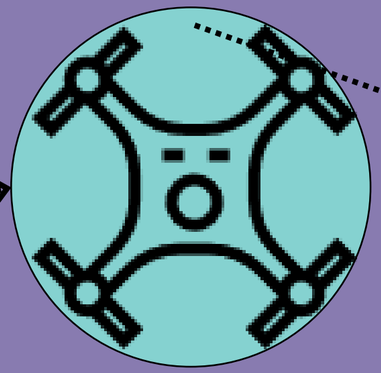
CUSTOMER orders the medicines

The Pharmasist keeps the delivery box



DRONE Centre

CUSTOMER'S Location

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COMPONENTS

Pixhawk Cube ORANGE +

Raspberrypi

GPS Here 3+

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Camera

Servo Motor

GSM module

SHOW STOPPERS

- **Stand Alone System:** our drone is a self-sustaining autonomous system that doesn't depend on other systems.
- **Cost Efficiency:** When you compare our drone with the present market its cost is approximately 30% less than the market average.
- **Customisability:** Based on our requirements we can customize our drone and make it suitable for the necessary application
- **Plug and Play:** As our drone is an automated system there is no manpower required for it, it is a simple plug-and-play system

USE CASES :

Critical Blood Supply: In critical situations, our UAV can transport vital blood supplies to those requiring immediate medical intervention

Medicine Delivery: We can swiftly and reliably deliver crucial medications to individuals in dire need.

Traffic Congestion: In densely populated urban areas with heavy traffic, drones can bypass traffic jams, ensuring timely delivery of medicines when every minute counts.

Aging Population: As the population ages, the demand for medications and healthcare services increases. This drone service can assist elderly individuals who may have mobility issues or difficulty traveling to pharmacies.

Thank You