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Design and Fabrication of Unmanned Arial Vehicle (UAV) Emergency Medical Purpose

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Abstract: This paper presents an Emergency Drone Delivery System (EDDS) designed to expedite medical supply transport in critical situations. The system utilizes unmanned aerial vehicles (UAVs) equipped with medical payloads to swiftly deliver essential supplies such as blood, vaccines, and medication to remote or inaccessible locations. Key features include real-time monitoring, route optimization, and autonomous operation, ensuring rapid response times and efficient resource allocation during emergencies. Through case studies and simulations, the efficacy and potential impact of EDDS in enhancing emergency healthcare delivery are demonstrated.

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