***AIR AMBULANCE***

**STUDENT PROJECT PROPOSAL**

1. **Name of the Student (s)** :R.KARTHICKPANDIYAN,S.AYYANAR,M.ABDUL AZIZ,J.JEGAN

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1. **Name of the Guide :**Dr.Ayshathul Fouzia Abdul Gani

**Department/Designation:**Electronics and Communication/ AP (SL.Gr)

**Institutional Address :**M.I.E.T Engineering college, Gundur, Trichy – 07

**Phone No.& Mobile No :** 97895 29294

1. **Project Title :**Air ambulance
2. **Sector in which your Project proposal is to be Considered :**Engineering & Technology

**INTRODUCTION:**

The aim of this work is to explore the use of air ambulance services as a means of providing rapid medical assistance to critically ill or injured patients in remote or inaccessible areas. An overview of the role and importance of air ambulance services in modern healthcare is examined. Here, we examine the benefits of using air ambulances, such as faster transport times, improved access to medical care, and the ability to transport patients over long distances. The findings of this study will be useful for healthcare providers, policymakers, and emergency services agencies in developing strategies for using air ambulance services effectively and efficiently to improve patient outcomes. The idea proposed in this work makes use of drones and Helium gas balloons facilitating the conveyance on land, water and air. The wheel-mounted drones levitate as they rotate, and float where needed with the help of drones and air bags filled with helium gas. The benefits of this ambulance include reduced transport times, improved patient outcomes, and increased access to healthcare in remote and underserved areas.

Reason:

* Many lives can be saved quickly through this project.
* If this project is implemented, our country will rise

**OBJECTIVE:**

* The country's road congestion should be reduced.
* People's lives should be saved quickly on the less congested road.
* A rescue program should be implemented across the country.
* This scheme will address Stalin's irritations and the grievances of vulnerable people.

**METHODOLOGY:**

**Drone:**

The drones mounted near the four wheels of the vehicle change the direction of the wheel when the road is jammed and the vehicle rises with the help of the drone, in which the helium gas plays a major role.

**Helium gas:**

* As the vehicle rises up with the help of the drone, the weight of the vehicle remains the same.
* In this, when helium gas is installed in the vehicle, the weight of the vehicle will be reduced so that the vehicle will rise easily and it will go easily in the water.

**WORK PLAN:**

**BUDGET:**

|  |  |
| --- | --- |
| **MATERIAL** | **AMOUNT** |
| Servo motor | **270/-** |
| Ardiuno |  |
| Drone | **1976/-** |
| Propeller | **120/-** |
| Air Bags |  |
| Aluminium Sheets | **38/-** |
| Helium Gas |  |
| Wheels | **340/-** |
| Flight control | **4999/-** |
| ESC controller | **1756/-** |
| Transmitter and Receiver |  |

**APPARATUS REQUIREMENT:**

1. Servo motor
2. Ardiuno
3. Drone
4. Propeller
5. Air Bags
6. Aluminium Sheets
7. Helium Gas
8. Wheels
9. Flight Controller
10. ESC Controller
11. Transmitter and Receiver
12. Thinker CAD Software

**RESULT:**

1. **Has a similar project been carried out in your college:No**

CERTIFICATE This is to certify that **Mr.R. KARTHICK PANDIYAN, Mr.S. AYYANAR, Mr. M. ABDUL AZIZ, Mr. J. JEGAN** are a bonafide final year students of U.G. Engineering courses of our college and it is also certified that two copies of utilization certification and final report along with seminar paper will be sent to the council after completion of the project by the end of April 2023.

Signature of the Guide Signature of the HOD Signature of the/principal/Head of the Institution

Submitted by, R.KARTHICK PANDIYAN

S.AYYANAR

M.ABDUL AZIZ

J.JEGAN, of

Final year Electronics and Communication engineering

(2019-2023)