FOG DETECTING AND REMOVING SYSTEM

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Fog, Highways, Humidity, Coastal areas, atmospheric air.

Introduction:
Fog is one of the problems which we face in the winter seasons. Driving in a foggy atmosphere may lead to dangerous accidents. So to avoid the same and to have a safe journey during such situations we need an anti fogging system which we are concentrating in our proposed work.

Fog detecting and removing system is one which can blow dry air onto roads, airport runways, harbors, highways or into coastal areas in which fog regularly occurs to reduce the relative humidity of atmospheric air down from about 100%, to thereby remove the fog. Particularly, in the fog removal system, a heating unit and a blowing unit may be connected to areas such as roads, airport runways, harbors, or coastal areas in which fog regularly occurs, to blow dry air generated in the heating unit over a long range using a strong blowing pressure from the blowing unit.

Objectives:
1. To solve the problem which the drivers face during driving the car in fog.
2. To avoiding the accidents due to the fog.
3. To increase the visibility in foggy atmosphere.
4. To detect the fog on the roads.
5. To increase the temperature of air.
6. To push the air on roads.
7. To filter the air on the roads to reduce air pollution.
8. To implement the system easily and comfortable with the all type of environments and conditions.

Methodology:
1. Identification of the problem
2. Finding alternative solutions
3. Convenient solution
4. Model Design
5. Heater and blower Unit
6. Control Unit
7. Sensor unit
8. Arduino board
9. Programming
10. Power source
11. Housing Final Project

Results and Conclusion:
After going through the previous research work and problem definition the proposed project is expected to solve the following problems and the scope of the machine can be concluded as the results of the developed machine will be
1. This project will help the society and will reduce the accidents due to foggy atmosphere.
2. By avoiding the accidents, a number of lives can be saved.
3. This system is suitable for all type of environments and conditions.

Scope for Future work:
1. This system can be modified such that it can filter the air and will reduce the air pollution.