



# Controlling Smoke Pollution of Vehicles using IoT

Vehicle pollution is a global problem. We propose a portable device that uses IoT technology to control smoke pollution.

# Introduction to the Problem

## The Issue

Vehicle pollution causes respiratory problems, cancer, and damages the ozone layer.

## Current Solutions

Existing solutions have drawbacks, such as high cost and inconvenience to clients and police.

## The Solution

Our portable IoT device is cost-effective, efficient, and easy to use.



# The Portable Device Solution

## Software

It has a built-in software that stores the data and connects to a desktop or smartphone through USB or Wi-Fi.



## Hardware

Our device has sensors that measure the level of smoke emission and a display screen that shows the readings.

## Design

The design is sleek and user-friendly. It can be easily used by clients and traffic police.

# Advantages of the Portable Device Solution



## Environmental

Our solution contributes to sustainability by reducing smoke pollution and protecting the environment.

## Economic

It is cost-effective for clients, and generates revenue for the government through fines on violations.

## Efficient

The process is quick and easy for both clients and traffic police, reducing wait times and increasing efficiency.



# Affordable and Cost-Effective Solution

## 1 Market Research

We have studied the market and developed a device that is affordable for clients and has a low manufacturing cost.

## 2 Sustainability

Our solution provides a long-term and sustainable answer to vehicle pollution, saving costs in the long run.

# Convenience of the Solution

## For Clients

Our device eliminates the need for regular visits to PUC shops and provides a more flexible and efficient solution.

## For Traffic Police

The portable device makes it simpler and quicker to check and catch violators, reducing traffic congestion and improving road safety.

# Use of IoT Technology in the Solution

Advantages	Explanation
Improved Accuracy	IoT sensors reduce human error, ensuring accurate readings of smoke pollution levels.
Real-time Data Collection	Our device instantly collects and stores data, providing more accurate and efficient solutions.
Reduced Cost	IoT devices have low maintenance costs, leading to more affordability for clients.

# Conclusion and Summary of Benefits

## Efficient

Our device saves time and reduces wait times through its advanced technology.

## Cheap

Our device is cost-effective, providing an affordable IoT solution to the issue of vehicle pollution.

## Sustainable

We provide a long-term and sustainable answer to the issue of vehicle pollution, protecting the environment and safeguarding the health of citizens.