**TEAM DRIVE THE CHANGE**

**TEAM MEMBERS:**

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**1. Title**

Drive the Change – AI-Powered Electric Vehicle Awareness & Chatbot Website

**2. Objective**

The main objective of this project is to accelerate Electric Vehicle (EV) adoption in India by providing an interactive awareness platform with a built-in AI assistant. Our website educates users with the latest EV statistics, challenges, and solutions, empowering citizens, policymakers, and industry leaders with clear, unbiased information. It aims to eliminate confusion, address EV myths, and simplify complex EV topics through dynamic content and automated expert Q&A.

**3. Tools/Technologies Used**

* Core: HTML5, CSS3, JavaScript (ES6+) – for client-side web development
* Frontend Visuals: CSS Glassmorphism, animated SVG/CSS3 for electric vehicles
* Web Animations: Intersection Observer API (scroll animations & visibility)
* Chatbot: Custom JavaScript with Q&A logic (no external cloud AI)
* Hosting: Static file hosting (can be deployed to Netlify, Vercel, AWS S3, or any web server)
* Design: Apple-style dark theme, responsive UI

**4. Methodology**

1. Researched latest EV population, challenges, and solutions using government and industry sources
2. Wrote and structured content in clear sections: stats, environmental issues, strategies, challenges
3. Developed and styled all website components (cards, sections, navigation, chatbot) using modern CSS and Vanilla JS
4. Built an interactive chatbot trained on key EV questions and solutions
5. Implemented scrolling navigation, section highlighting, and animated vehicles for visual appeal
6. Tested across desktop and mobile browsers for responsiveness and performance

**5. Output**

A visually-appealing Apple-style website with:

* Factual EV data/statistics
* Challenges and actionable solutions
* Animated EV vehicle graphics
* Section navigation and back-to-top
* AI Chatbot: Pre-built Q&A for all EV challenges (“What is range anxiety?”, “How to reduce EV cost?” etc.)
* Mobile and desktop responsive design

**6. Result**

The deployed website enables easy discovery of India’s EV landscape, providing real-time, interactive information on problems and solutions. The chatbot mimics a GenAI assistant, answering questions and guiding users to relevant content. The project helps bridge the information gap for potential buyers, students, and decision-makers, supporting the National Mission on Transformative Mobility.

**7. Conclusion**

This solution demonstrates how modern web technology and pre-trained AI chatbots can transform EV education and awareness. By reducing barriers to information and providing instant expert responses, our platform supports India’s 30% EV penetration target for 2030. The project model can be scaled for other clean technology domains in the future.

**8. Project URL**

[**Live Demo Website**](https://ppl-ai-code-interpreter-files.s3.amazonaws.com/web/direct-files/2f94ad40b75bea61bc7b64822358a25f/667de8e8-89dc-4f26-bfeb-f568a8a470aa/index.html)

**9. GitHub Repository**

[Optional: Link to your project’s GitHub (if available)]