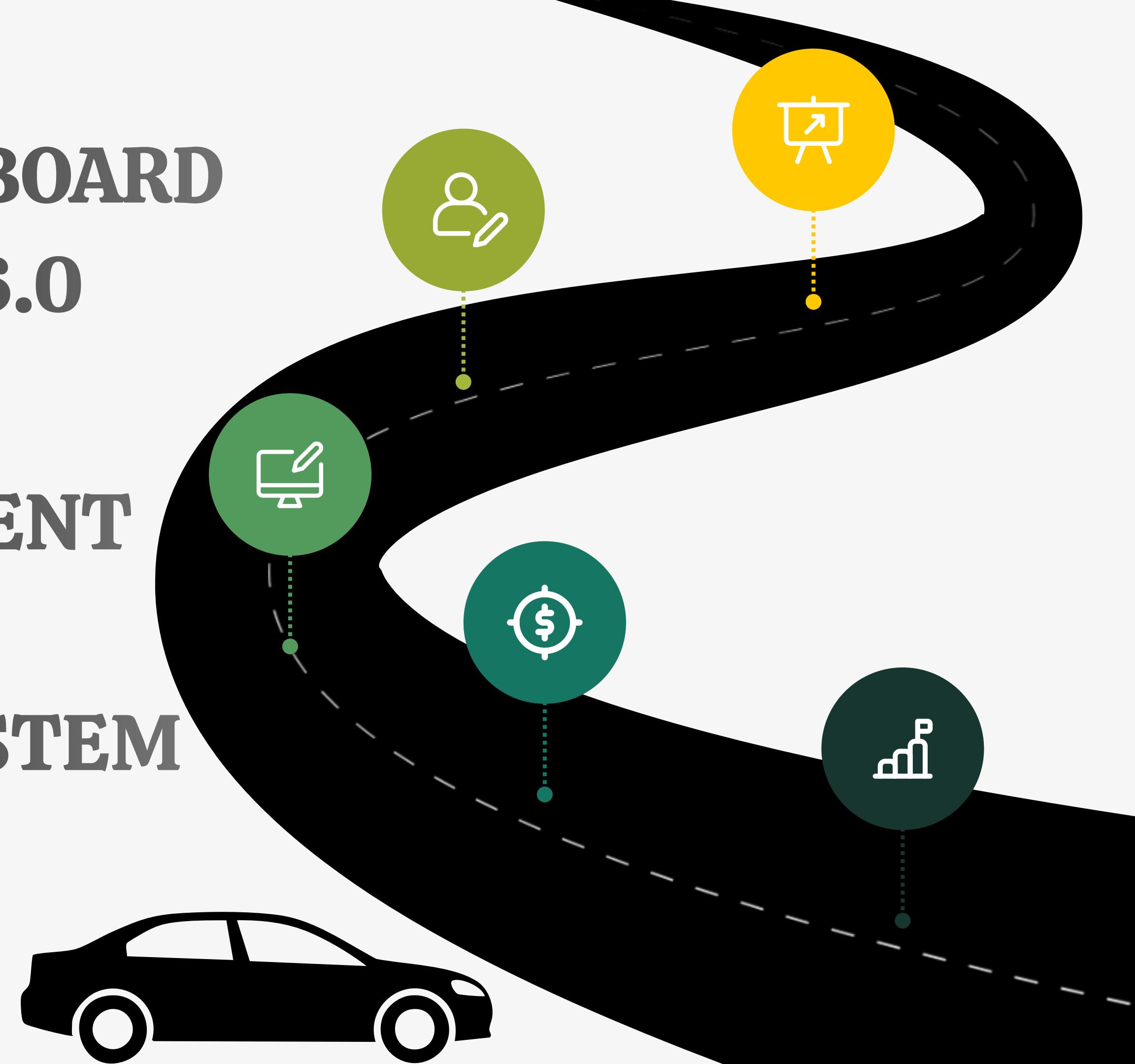


INFOSYS SPRINGBOARD INTERNSHIP 6.0

FLEET MANAGEMENT AND ROUTE OPTIMIZATION SYSTEM

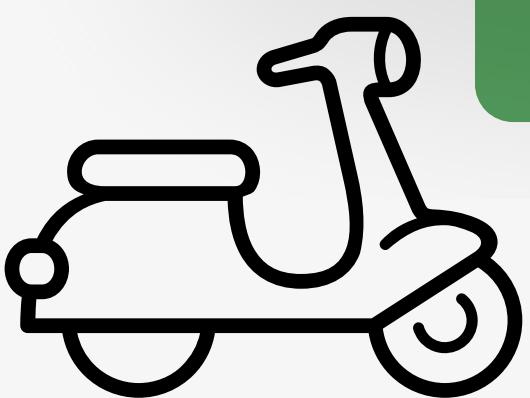
PRESENTED BY : SAGARIKA NAIK



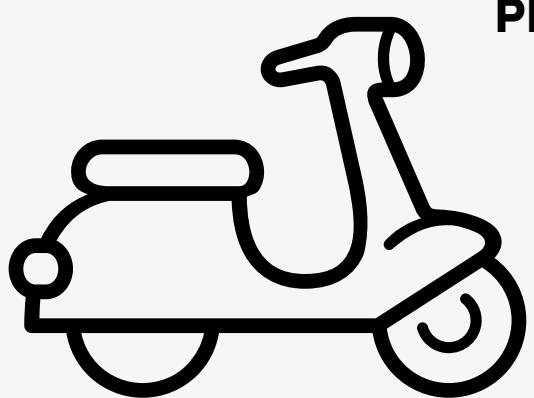
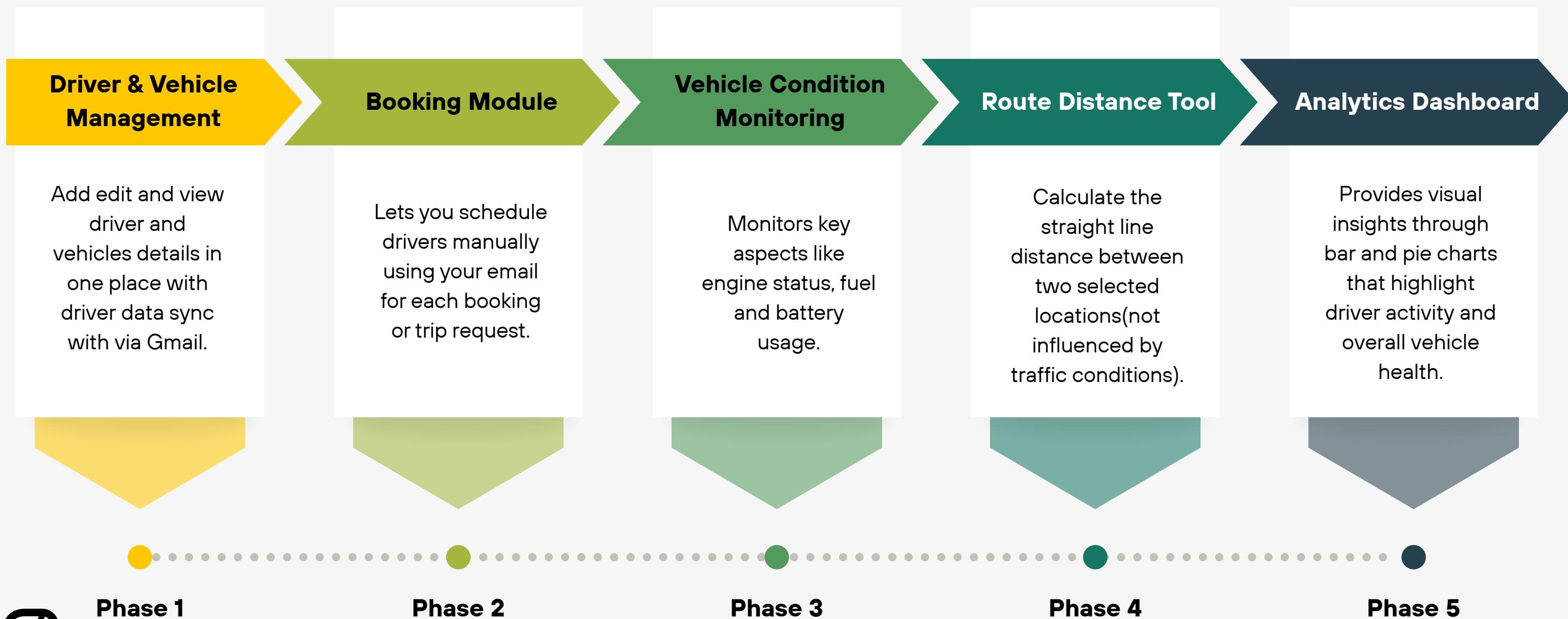
PROBLEM STATEMENT

Managing a fleet efficiently is a major challenge for organizations handling numerous vehicles and drivers. Existing systems are often inadequate because they fail to provide:

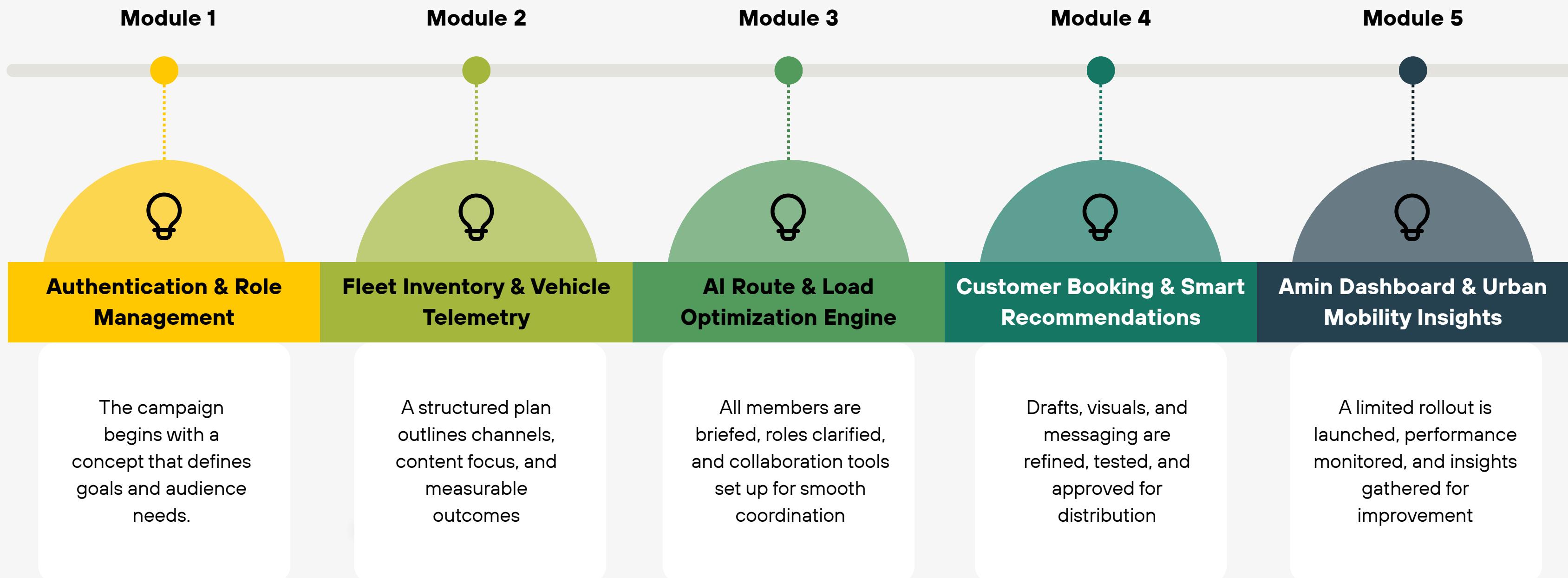
- 1. Unified access to vehicle and driver information.**
- 2. Real-time monitoring and route analysis.**
- 3. Actionable insights on vehicle condition and overall performance.**



KEY FEATURES

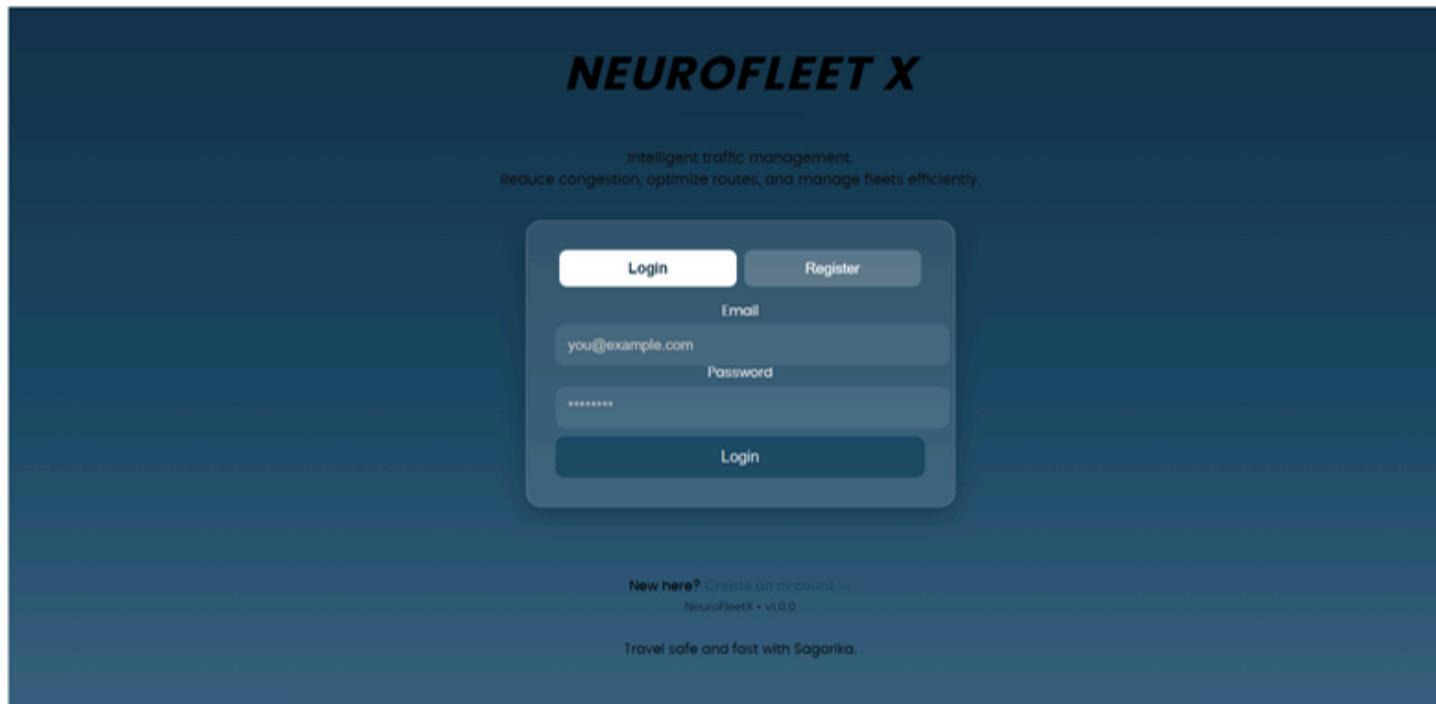


PROJECT MODULE OVERVIEW

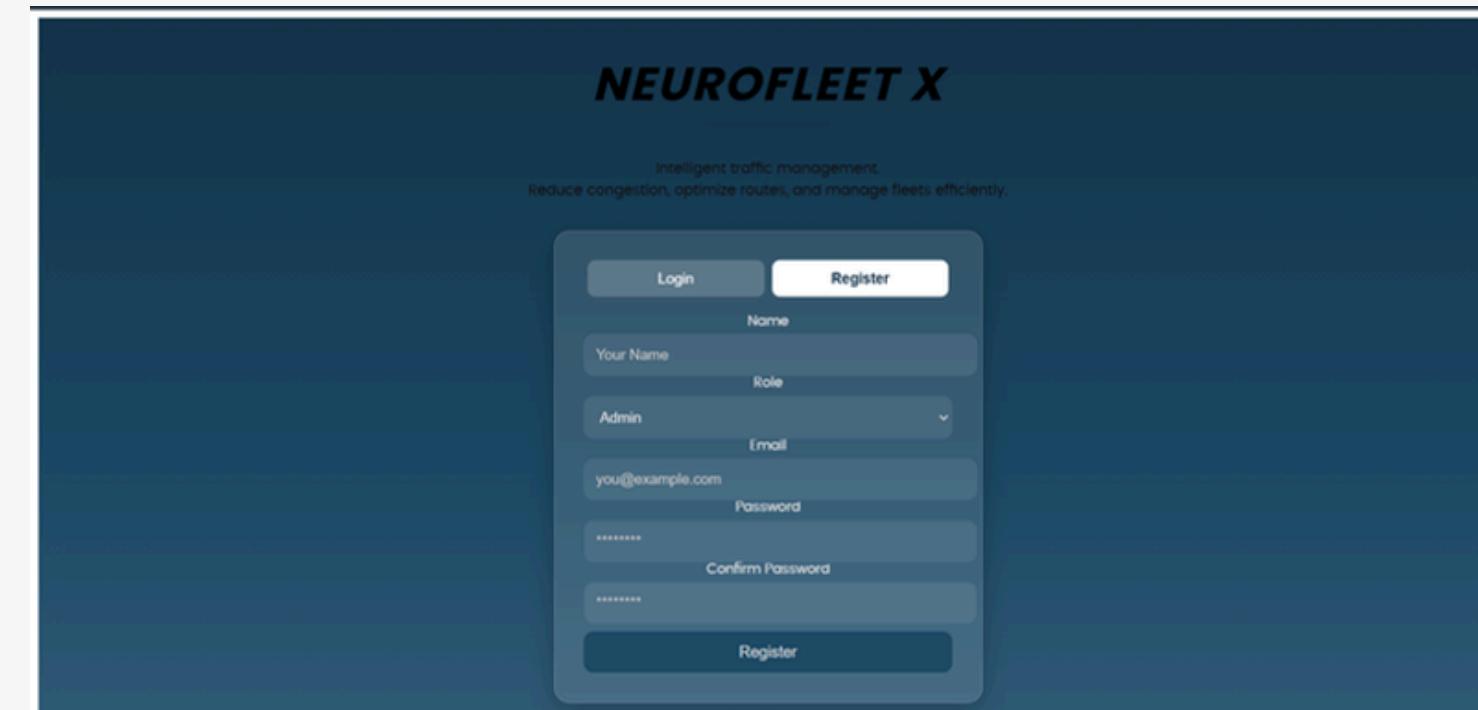


LOGIN & REGISTER PAGE

Authenticates and authorizes users.

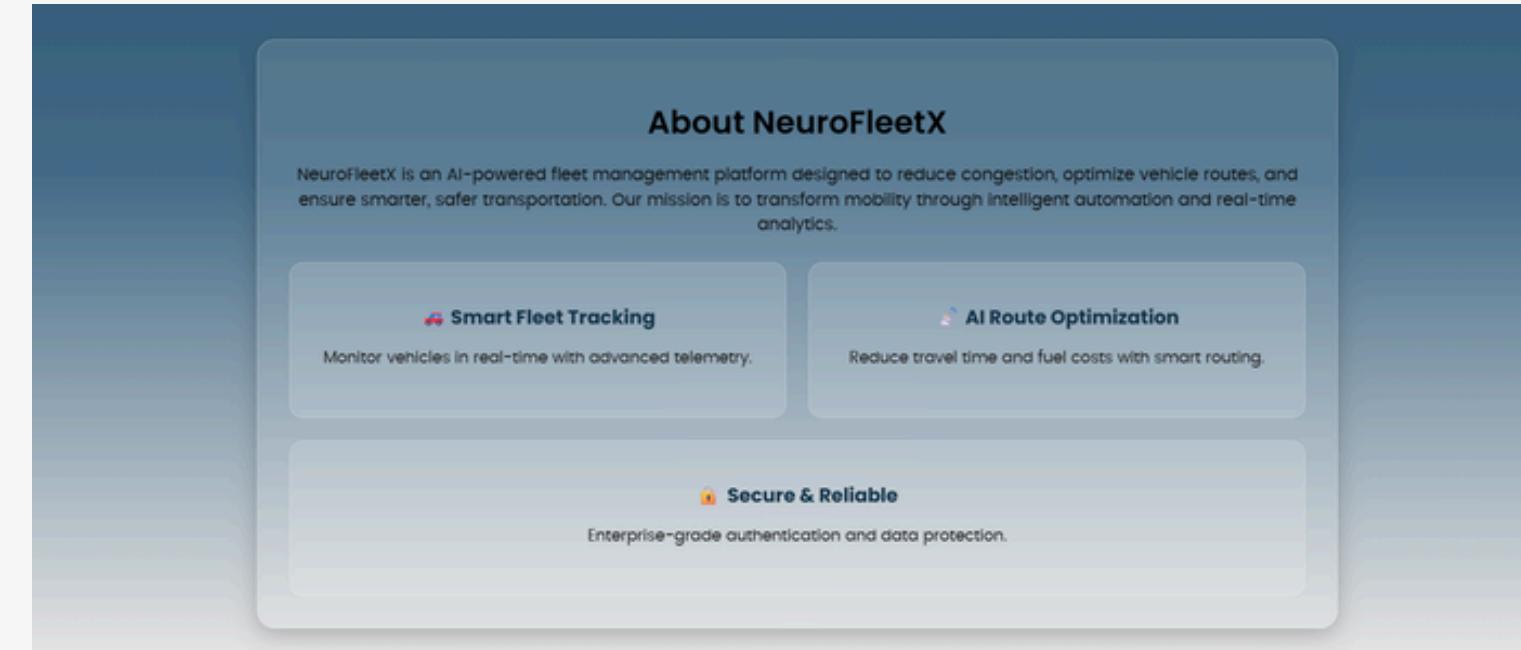
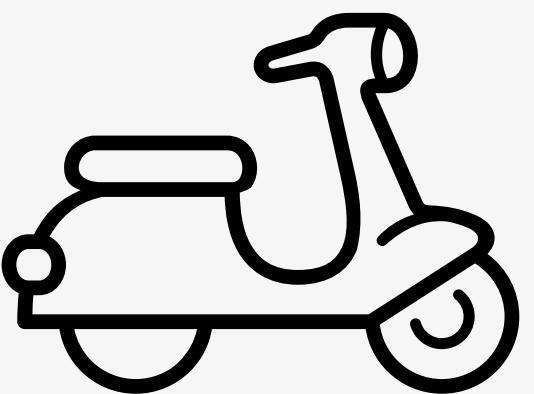


The login page for NeuroFleet X features a dark blue header with the brand name in white. Below it, a sub-header reads "Intelligent traffic management. Reduce congestion, optimize routes, and manage fleets efficiently." A central login form contains fields for "Email" (with placeholder "you@example.com") and "Password" (with placeholder "*****"). It includes "Login" and "Register" buttons. At the bottom, there's a link "New here? Create an account..." and a footer note "NeuroFleetX v1.0.0".



The register page for NeuroFleet X follows a similar dark blue design. It adds more fields to the login form: "Name" (placeholder "Your Name"), "Role" (dropdown menu showing "Admin"), "Email" (placeholder "you@example.com"), "Password" (placeholder "*****"), and "Confirm Password" (placeholder "*****"). It also includes a "Register" button at the bottom.

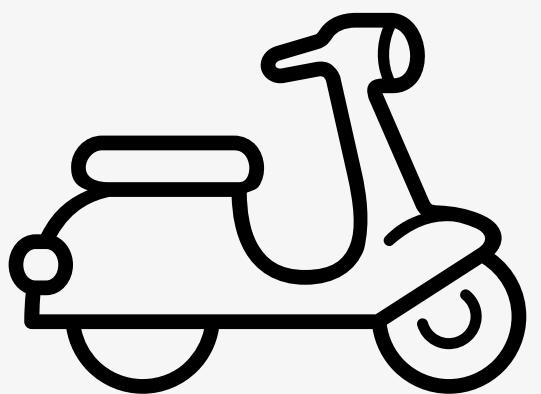
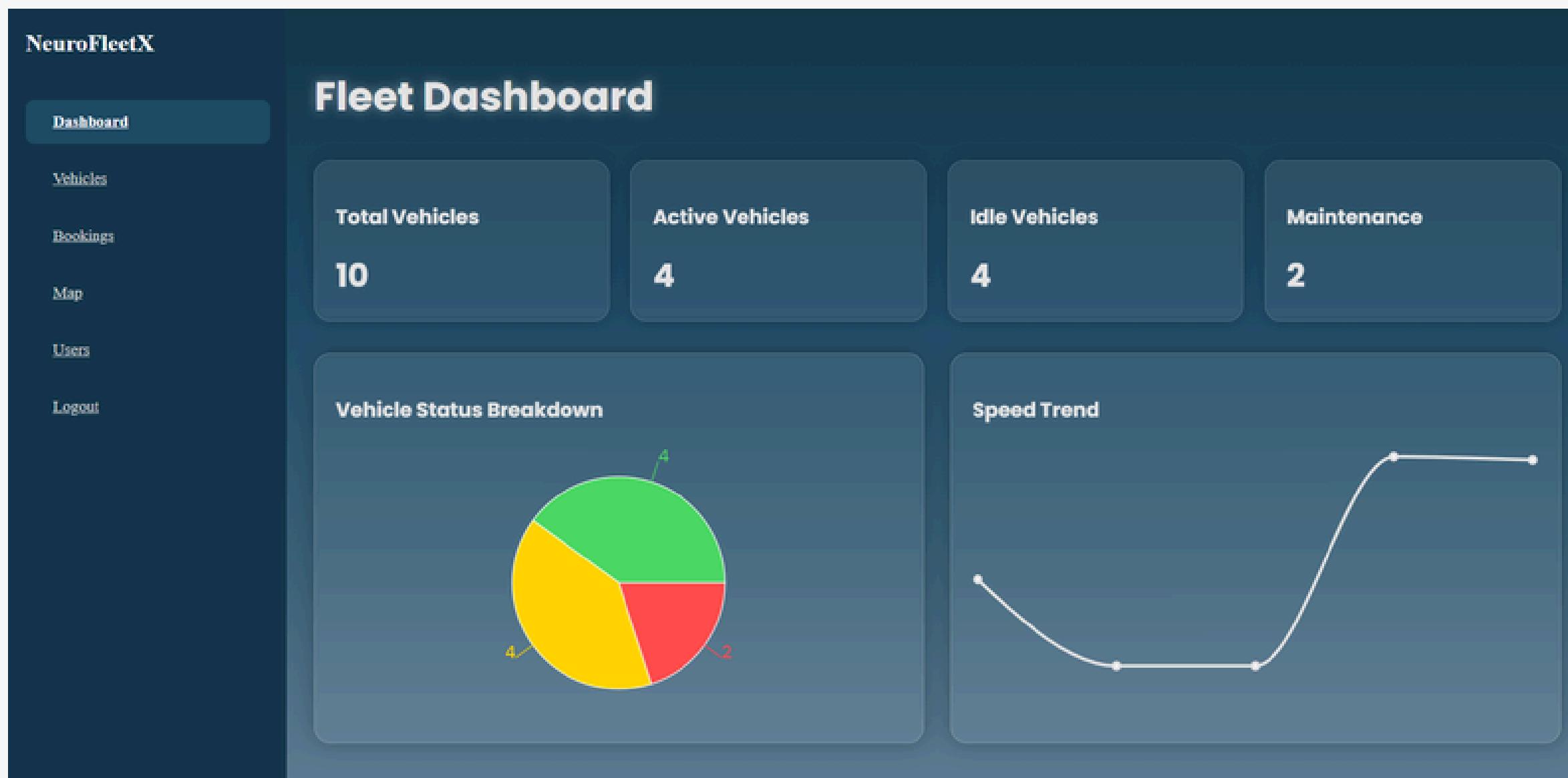
Step 04



This page provides an overview of NeuroFleetX. It starts with a heading "About NeuroFleetX" and a brief description of the platform's mission: "NeuroFleetX is an AI-powered fleet management platform designed to reduce congestion, optimize vehicle routes, and ensure smarter, safer transportation. Our mission is to transform mobility through intelligent automation and real-time analytics." Below this are three callout boxes: "Smart Fleet Tracking" (monitor vehicles in real-time with advanced telemetry), "AI Route Optimization" (reduce travel time and fuel costs with smart routing), and "Secure & Reliable" (enterprise-grade authentication and data protection).

FLEET DASHBOARD

Displays vehicles availability through graphs.



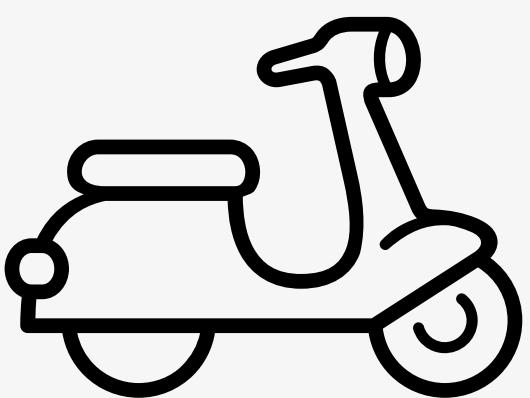
VEHICLE DASHBOARD

Displays all vehicles, add/remove functionality.

NeuroFleetX

Vehicles Dashboard

PLATE	STATUS	SPEED	BATTERY	FUEL	ACTION
NF-1001	IDLE	21 km/h	0%	0%	<button>View</button>
NF-1002	IN_USE	55 km/h	0%	0%	<button>View</button>
NF-1003	MAINTENANCE	51 km/h	0%	0%	<button>View</button>
NF-1004	IDLE	43 km/h	0%	0%	<button>View</button>
NF-1005	IN_USE	27 km/h	0%	0%	<button>View</button>
NF-1006	IDLE	17 km/h	0%	0%	<button>View</button>
NF-1007	MAINTENANCE	28 km/h	0%	0%	<button>View</button>
NF-1008	IN_USE	6 km/h	0%	0%	<button>View</button>
NF-1009	IDLE	37 km/h	0%	0%	<button>View</button>
NF-1010	IN_USE	40 km/h	0%	0%	<button>View</button>



BOOKINGS DASHBOARD

Manual booking using Gmail ID

NeuroFleetX

Dashboard

Vehicles

Bookings

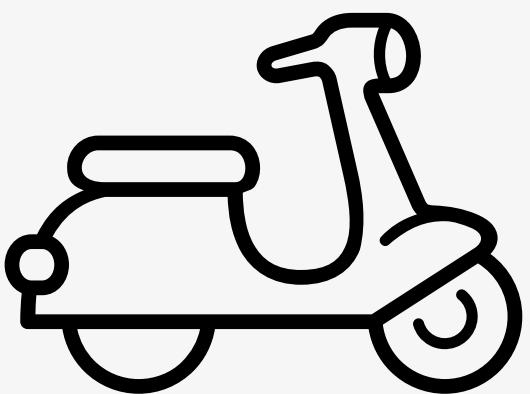
Map

Users

Loyalty

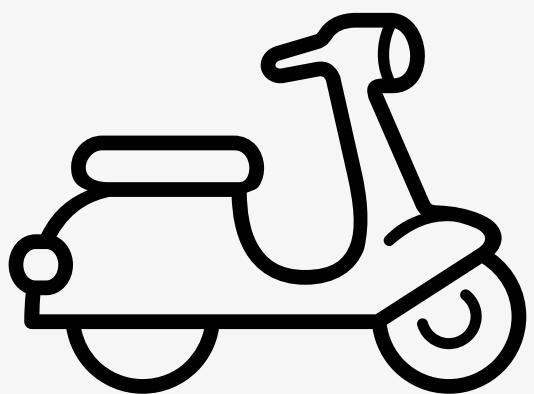
Booking Dashboard

User	Vehicle	Date	Status	Action
Kabir Das	NF-1004	11/20/2024, 3:00:00 PM	COMPLETED	View Details
Customer One	NF-1001	11/28/2025, 2:45:00 PM	COMPLETED	View Details
Aarav Mehta	NF-1002	11/29/2025, 12:50:00 PM	ONGOING	View Details
Kabir Das	NF-1003	11/29/2025, 11:30:00 AM	CANCELLED	View Details
Meera Joshi	NF-1004	11/30/2025, 4:15:00 PM	COMPLETED	View Details
Vivaan Rao	NF-1005	11/26/2025, 7:50:00 PM	ONGOING	View Details
Customer One	NF-1006	11/25/2025, 1:30:00 PM	CANCELLED	View Details
Aarav Mehta	NF-1007	11/24/2025, 4:40:00 PM	COMPLETED	View Details
Kabir Das	NF-1008	11/22/2025, 6:30:00 PM	ONGOING	View Details
Meera Joshi	NF-1009	11/27/2025, 3:10:00 PM	COMPLETED	View Details
Vivaan Rao	NF-1010	11/20/2025, 9:30:00 PM	CANCELLED	View Details



LIVE MAP VIEW

Optimizes routes



NeuroFleetX

Live Map View

Dashboard

Vehicles

Bookings

Map

Users

Logout

The screenshot shows a map of a city area with numerous roads and landmarks labeled. Several blue location markers are placed at various points along the routes, indicating specific locations or stops. The map includes labels for areas like Hinjewadi Phase, Pimpri, Khadki, Model Colony, and Waghali. Major roads are marked with red and orange lines, while smaller streets are in grey. The overall interface has a dark theme with light-colored text and icons.

USER MANAGEMENT

Admin access the system

NeuroFleetX

Dashboard

Vehicles

Bookings

Map

Users

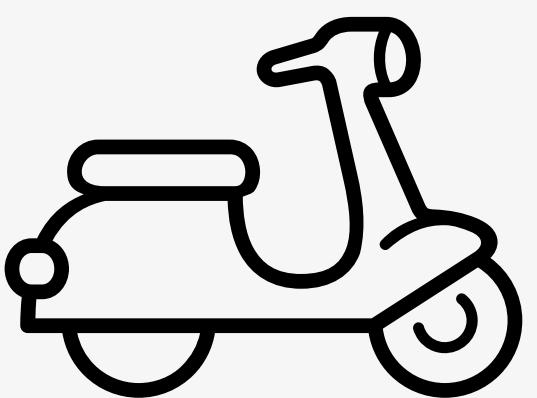
Logout

localhost:5173

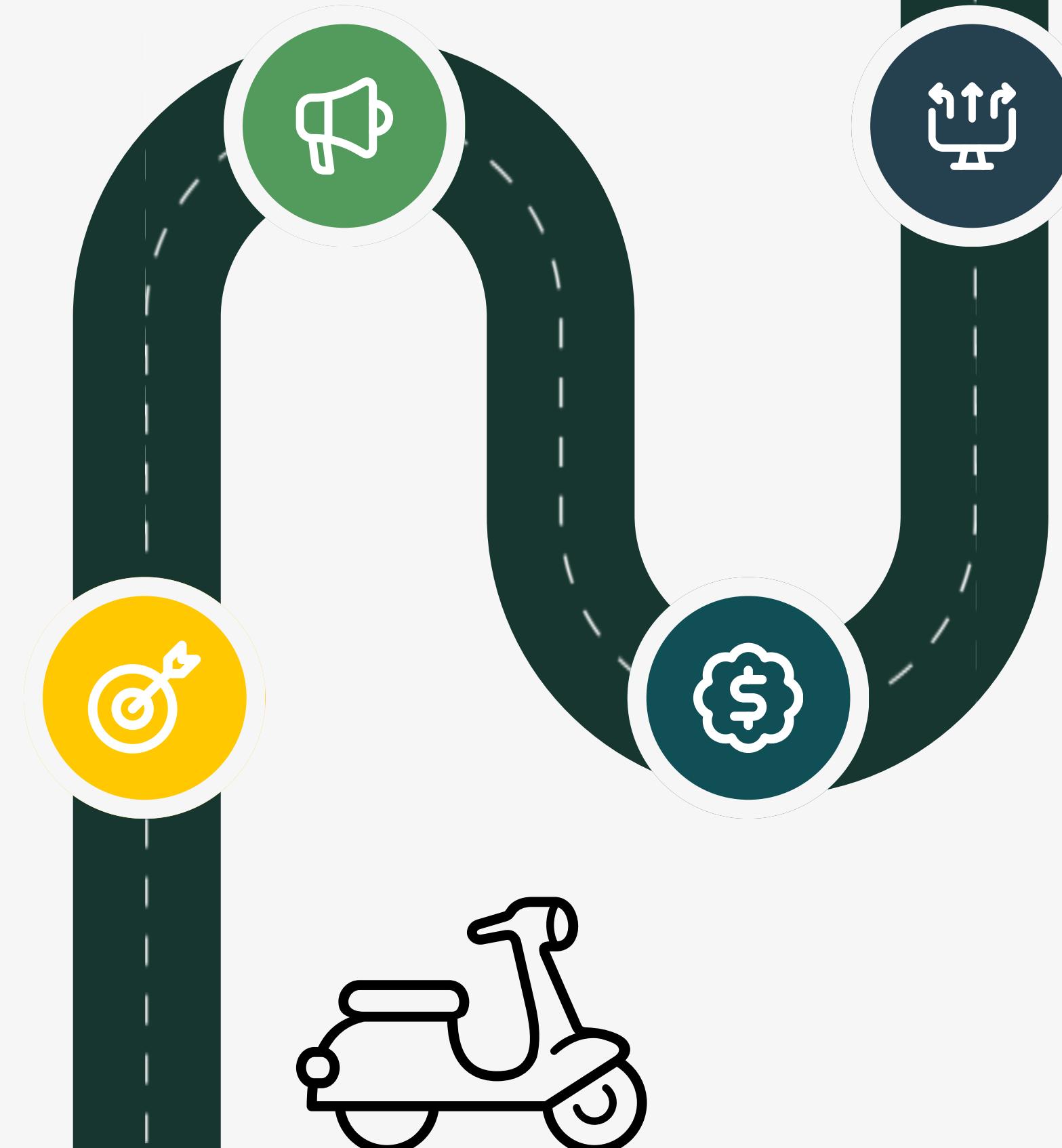
Users Management

+ Add User

NAME	EMAIL	ROLE	ACTIONS
Admin User	admin@test.com	ADMIN	Delete
Manager One	manager1@test.com	MANAGER	Delete
Customer One	customer1@test.com	CUSTOMER	Delete
Priya Sharma	priya.manager@test.com	MANAGER	Delete
Rahul Verma	rahul.manager@test.com	MANAGER	Delete
Sneha Patil	sneha.manager@test.com	MANAGER	Delete
Aarav Mehta	aarav.customer@test.com	CUSTOMER	Delete
Riya Singh	riya.customer@test.com	CUSTOMER	Delete
Kabir Das	kabir.customer@test.com	CUSTOMER	Delete
Meera Joshi	meera.customer@test.com	CUSTOMER	Delete
Vivaan Rao	vivaan.customer@test.com	CUSTOMER	Delete
Sneha kumari	sneha564@gmail.com	CUSTOMER	Delete



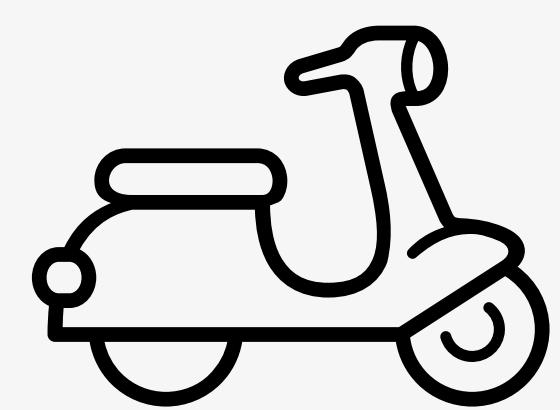
CONCLUSION



The Fleet Management and Route Optimization System effectively illustrates how a modular full-stack architecture can streamline fleet operations.

Key Outcomes

- Integrated management of drivers and vehicles
- Reliable static route planning and trip monitoring
- Data-driven insights through visual analytics
- Scalable architecture prepared for AI-driven enhancements



THANK YOU

