



PROJECT TITLE : VEHICLE AUCTION SYSTEM

TEAM MEMBERS:

S.NO	NAME OF STUDENT	ROLL NO
1	K. MOHITH	2520030520
2	M. VENKAT SIDDHARTH REDDY	2520090026
3	V. SAI NIKHIL	2520030255
4	N. NISHANTH	2520030313
5	CH. POONESH KUMAR	2520040037
6	S. GURU CHARAN	2520090061

ABSTRACT

A Vehicle Auction System is a web-based platform that facilitates buying and selling vehicles through auction-style bidding.

It enables sellers to list vehicles with detailed descriptions, images, and reserve prices

Buyers can browse available vehicles, place bids in real-time, and monitor auction progress.

The system ensures transparency and competitiveness to help sellers get the best possible price.

PROBLEM STATEMENT

The traditional vehicle buying and selling process is often time-consuming, lacks transparency, and limits market reach for both sellers and buyers.

Existing methods may lead to inefficient pricing, delayed transactions, and difficulties in verifying vehicle conditions and ownership.

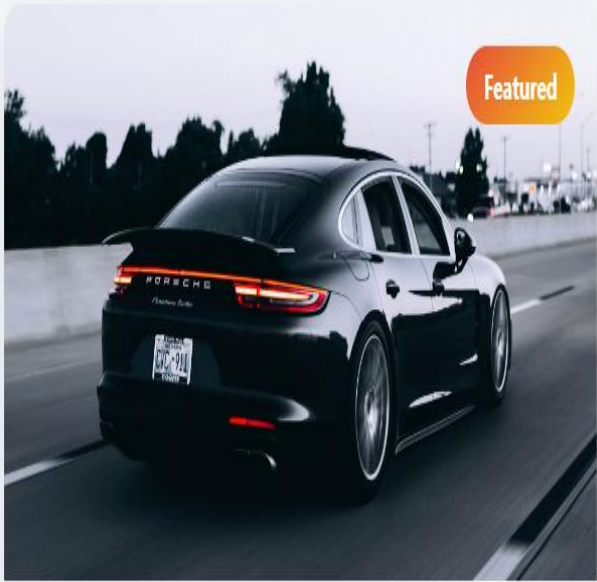
There is a need for an automated, secure, and user-friendly auction system that allows sellers to list vehicles easily and buyers to participate in real-time bidding.

Solution approach or system design:-

- ➔ **User Roles Sellers**: Create accounts, list vehicles with detailed descriptions, images, and set a reserve price.
- ➔ **Buyers**: Register to browse listings, place real-time bids, and track auctions .
- ➔ **Administrators**: Manage users, verify listings, oversee disputes, and maintain system integrity.

KEY COMPONENTS

- ➔ Frontend: Responsive UI using HTML, CSS, and JavaScript frameworks to provide a smooth user experience across devices.
- ➔ Backend: Built using a robust framework (e.g., Node.js) to handle business logic, user authentication, bidding mechanics, and notifications.
- ➔ Database: Stores user profiles, vehicle details, bids, and transaction histories securely.
- ➔ Real-time Bidding Engine: Uses WebSocket or similar technology to update bids instantly, ensuring fair and dynamic auctions.
- ➔ Notification System: Sends automated alerts through email or SMS about bid status, auction deadlines, and payment confirmations.



Featured

2022 Porsche 911 Carrera

📅 2022 🏁 8,200 mi ⚙️ Automatic

\$85,000

Current Bid: \$78,500

🕒 00:00:00

Enter your bid

Place Bid

Find Your Dream Car at Unbeatable Prices

Bid on a wide selection of vehicles from luxury cars to everyday drivers. Join thousands of satisfied buyers in our trusted auction platform.

[Browse Vehicles](#)

[How It Works](#)

10K+

Happy Customers

5K+

Vehicles Sold

98%

Satisfaction Rate

\$50M+

In Transactions

Live Auction

● LIVE



2022 Porsche 911 Carrera

Current Bid Time Left

\$78,500 12:45

[Place Bid](#)

CONCLUSION:

- ➔ The Vehicle Auction System offers an effective solution to modernize and streamline the vehicle buying and selling process.
- ➔ By enabling transparent, real-time bidding and secure transactions, it benefits both sellers and buyers through increased market access and fair pricing.
- ➔ The system's user-friendly design and robust backend ensure reliability, scalability, and safety, making vehicle auctions more efficient and accessible.
- ➔ Overall, it transforms traditional vehicle trading into a seamless digital experience that meets the needs of today's users.