iJRASET
International Journal For Research in Applied Science and Engineering Technology



INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Volume: 12 **Issue:** V **Month of publication:** May 2024

DOI: https://doi.org/10.22214/ijraset.2024.61817

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International Journal for Research in Applied Science & Engineering Technology (IJRASET)
ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538
Volume 12 Issue V May 2024- Available at www.ijraset.com

Research Paper For Driving Mitra

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Abstract: ***This project introduces a comprehensive online portal to alleviate the challenges associated with the manual search for suitable driving schools, instructors, and schedules. The portal aims to streamline the process for aspiring drivers by maintaining an extensive database of licensed driving schools and certified instructors, facilitating easy access based on user preferences and geographical proximity. Each driving instructor will have a detailed profile, enabling users to make informed decisions by considering qualifications, experience, and teaching style. Real-time reviews and ratings from past learners contribute valuable insights to guide prospective students. The portal incorporates a cost- comparison tool to empower users in evaluating fees across different driving schools and instructors, ensuring transparency and budget-conscious decision-making. Scheduling convenience is enhanced through integrated features that allow users to input preferred time slots, eliminating the need for manual inquiries.***

I. INTRODUCTION

The introduction highlights the increasing need for individuals to learn driving in today's hectic lifestyle. The discussion outlines the significance of driving skills for daily commuting to college, office, or personal errands, emphasizing the indispensability of vehicles in modern life.

A. What Is Driving School Portal?

A driving school portal serves as an online platform crafted to streamline the discovery, comparison, and enrollment processes for driving schools and instructors. This centralized hub provides a variety of features and information to aid individuals on their path to acquiring a driver's license.

B. Why Is It Important To Choose Driving School Portal?

Selecting a driving school portal is crucial for its convenience in exploring, comparing, and enrolling in driving schools. These platforms offer comprehensive information, cost comparison features, efficient scheduling tools, and user reviews. They assure credibility by integrating with licensing authorities and provide accessible support services. The gamification elements encourage user engagement, making the entire process lite streamlined and user-friendly.

In summary, choosing a driving school portal is a thoughtful decision that improves the learning journey by offering convenience, detailed information, cost transparency, streamlined scheduling, credibility assurance, user assistance, accessibility, and the chance for community engagement through gamification feature why.

II. LITERATURE REVIEW

Conducting a thorough literature survey in the realm of driving school portals involves exploring existing research, articles, and publications pertaining to online platforms for driving education. The investigation spans various critical areas. Firstly, it's imperative to assess the overall effectiveness of online learning platforms across diverse educational domains. Literature in this area delves into how these platforms enhance accessibility, engagement, and the overall learning outcomes for users. User experience within educational portals is a key focus. Studies scrutinized aspects such as interface design, user satisfaction, and the impact of user-friendly features on the overall learning experience. Comparative studies between traditional driving school methods and those employing online portals provide insights into the advantages and disadvantages of each approach. Factors such as cost, efficiency, and learner satisfaction are scrutinized. The significance of transparent pricing models in online educational platforms is explored.

Understanding how clear cost structures contribute to user trust and decision-making is crucial. The impact of scheduling tools in online education is a subject of investigation. Efficient scheduling features are analysis for their contribution to timely course completion and enhanced learner convenience. In the whirlwind of modern life, where time seems to slip through our fingers like grains of sand, the ability to navigate the chaos of daily existence has become nothing short of essential.

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Whether it's weaving through the labyrinthine streets to reach the hallowed halls of education or the towering edifices of employment, or simply running the gamut of personal errands that pepper our days, the presence of a vehicle has shifted from luxury to necessity.

Yet, in this mad dash to keep pace with the relentless march of progress, the quaint tradition of learning to drive from patient friends or wise family members has faded into memory. The demands of our individual pursuits, each one a whirlwind in its own right, leave little room for the leisurely impartation of such skills. Thus, from the void left by this fading tradition, the phoenix of driving schools has risen, offering structured guidance and instruction for both the humble two-wheeler and the mighty four-wheeled chariots that ferry us through life's tumult.

Gone are the days when one would rely solely on the whispered recommendations of acquaintances or the haphazard stumble upon a trusted instructor. In this digital age, a new frontier emerges, beckoning with promise and possibility. An online portal, a veritable oasis amidst the digital desert, stands as a guiding light, connecting eager learners with the bastions of knowledge that are driving schools. Here, amidst the ever-shifting pixels of the virtual landscape, schools and prospective drivers alike converge, drawn by the siren song of convenience and efficacy.

For those brave souls who dare to embark upon the odyssey of learning to commandeer a vehicle through the maelstrom of modernity, the portal serves as a veritable treasure trove. Detailed listings, akin to ancient maps guiding intrepid explorers through uncharted waters, illuminate the vast array of driving schools available. Each entry is accompanied by a cornucopia of insights, offering glimpses into the souls of these institutions—their instructors, their fees, their amenities—all laid bare for the discerning eye of the seeker.

And yet, it is not merely the seekers who find solace and sanctuary within this digital sanctuary. The driving schools themselves, once mere bastions of brick and mortar, now find themselves elevated upon a pedestal of pixels. Here, they have the chance to shine, to showcase their expertise and their facilities, to cast their light far and wide in search of eager acolytes.

In this symbiotic dance of bytes and pixels, the essence of driving transcends its mere mechanical function. It becomes a shared journey—a pilgrimage of empowerment and enlightenment. As users and schools coalesce within the boundless expanse of the digital realm, the road to safe and confident driving unfurls before them like a shimmering ribbon of promise. Here, in this virtual crucible, skills are honed, confidence is forged, and journeys are embarked upon with the assured stride of those who have found their path amidst the chaos.

III. PROBLEM DEFINITION

In response to the challenges associated with manually seeking out a suitable driving school, instructor, and schedule, our objective is to develop a comprehensive portal that simplifies the entire process for aspiring drivers. This portal will maintain a thorough database of licensed driving schools and certified instructors across various locations allowing users to effortlessly find options that align with their preferences and proximity. Each driving instructor will have a detailed profile showcasing qualifications, experience, and teaching style. Users who have completed their training can contribute reviews and ratings, providing valuable insights for prospective learners. The portal will feature a cost-comparison tool, empowering users to compare the fees of different driving schools and instructors. This transparency ensures that learners can make informed decisions based on their budget constraints. Integrated scheduling capabilities will address the challenge of suitable timings. Users can input their preferred time slots, and the portal will present a list of available instructors, eliminating the need for manual inquiries.

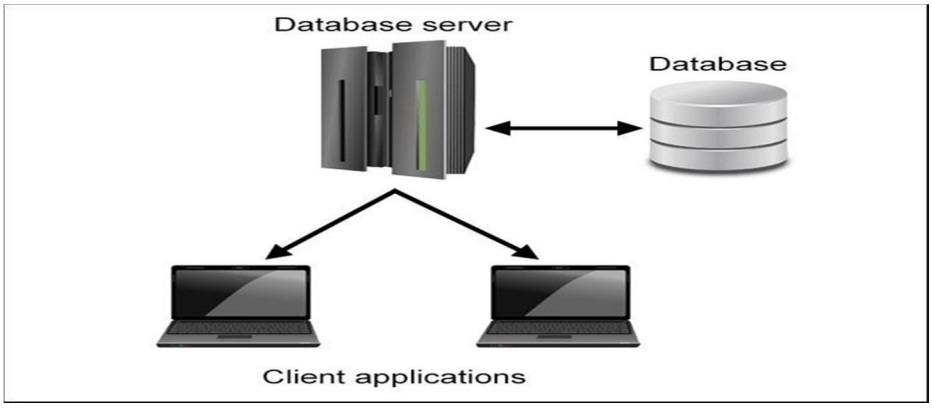


FIG :-1.1System flow diagram

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IV. PROPOSED SYSTEM

The Driving School Tracker Portal serves as a comprehensive platform designed to facilitate the registration of all driving school owners. Once registered, these owners can utilize the portal to present a detailed showcase of their respective institutions. This showcase includes crucial information such as facilities available, profiles of instructors, training schedules, and the fee structure.

For potential learners, the portal offers a user-friendly search feature that enables them to find suitable training schools based on their specific priorities. This could include considerations such as preferred training timings, the geographical area of the school, and the associated fees. The goal is to simplify the process of selecting a driving school that aligns with the individual preferences of prospective learners.

To engage with the services offered by a particular school, users are required to complete a registration process on the portal. This registration not only facilitates the admission process but also serves as a gateway for users to access and benefit from the various services provided by the chosen driving school.

One of the standout features of this portal is its unique capability to track all vehicles affiliated with a driving school. This tracking functionality is not restricted to the school administrator alone; it extends to concerned individuals, such as parents or relatives. This added layer of oversight ensures that authorized personnel can monitor the movement and location of the vehicles associated with the driving school, enhancing safety and security.

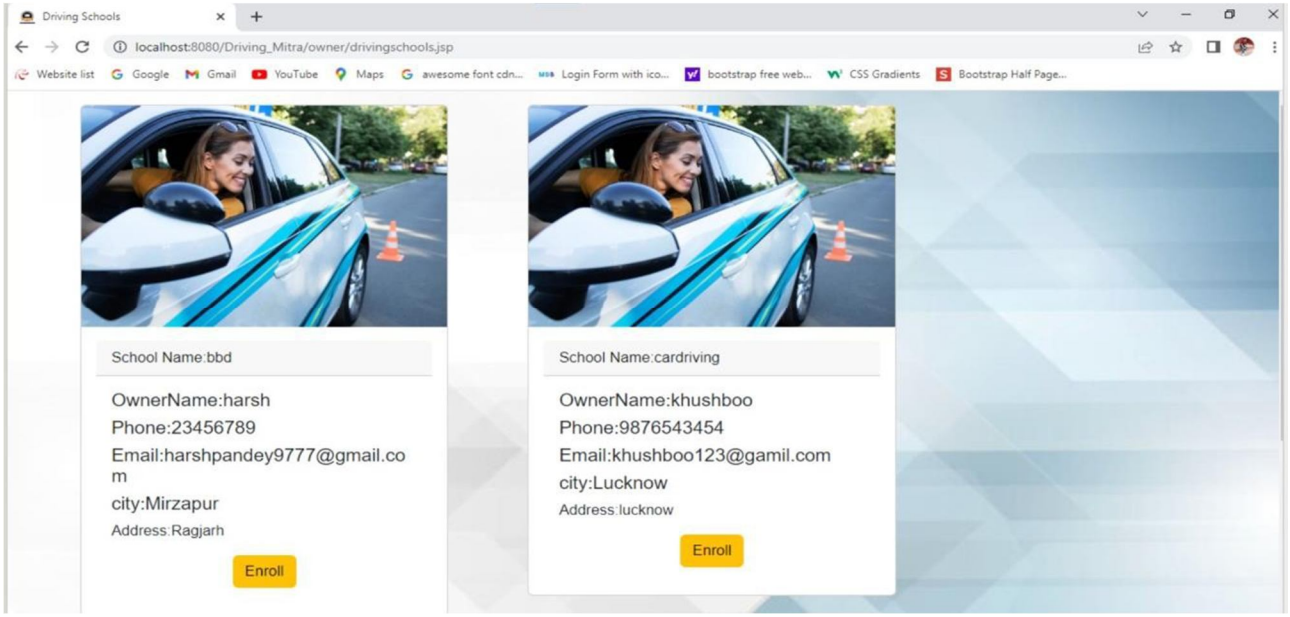


FIG.2.1-Overview of project

A distinctive and crucial feature of the portal is its capability to track all vehicles associated with the school. This tracking functionality is not limited to the school administrator but extends to concerned individuals like parents or relatives, offering an additional layer of safety and monitoring through the portal.

V. IMPLEMENTATION OF THE SYSTEM

A. Hardware Requirements

CLIENT-SIDE:

- Processor: Dual Core or above
- RAM :4 GB
- HDD :500 GB
- Display: High Resolution screen
- Others: Internet Connection

DEVELOPER-SIDE:

- Processor: Core i3 or above
- RAM :4 GB

- HDD :500 GB
- Display: High Resolution screen
- Others: Internet Connection

B. Software Requirements CLIENT-SIDE:

- Web Browser: Any updated browser

DEVELOPER-SIDE:

- Browser: Any updated browse
- IDE: Eclipse IDE
- Software: jdk17
- Database: MySQL
- Operating System: Windows

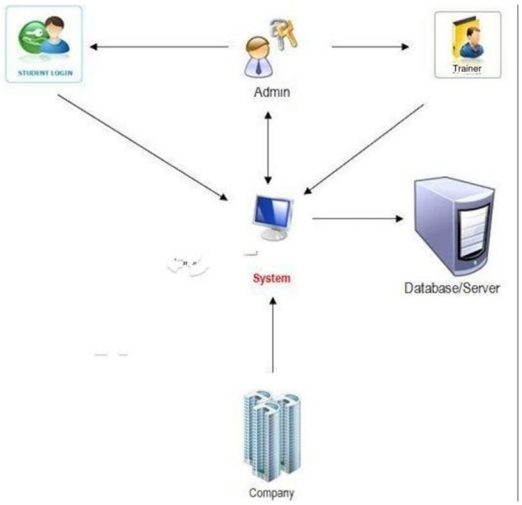


FIG.3.1:- System architecture

The Homepage provide the features and general description of what services do we provide, faqs, about us and privileges for login & signup options:

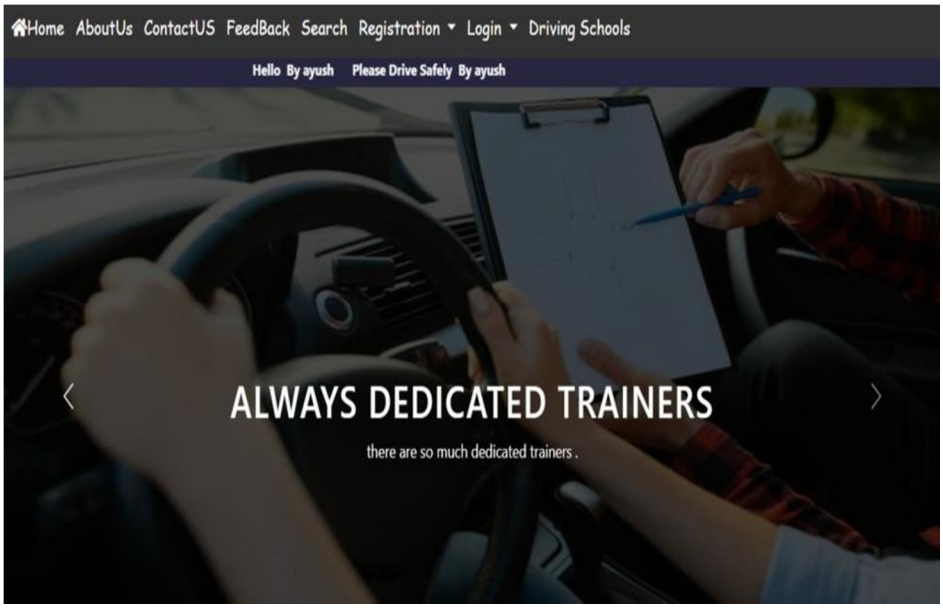


FIG.4.1 :- Driving school (Homepage)

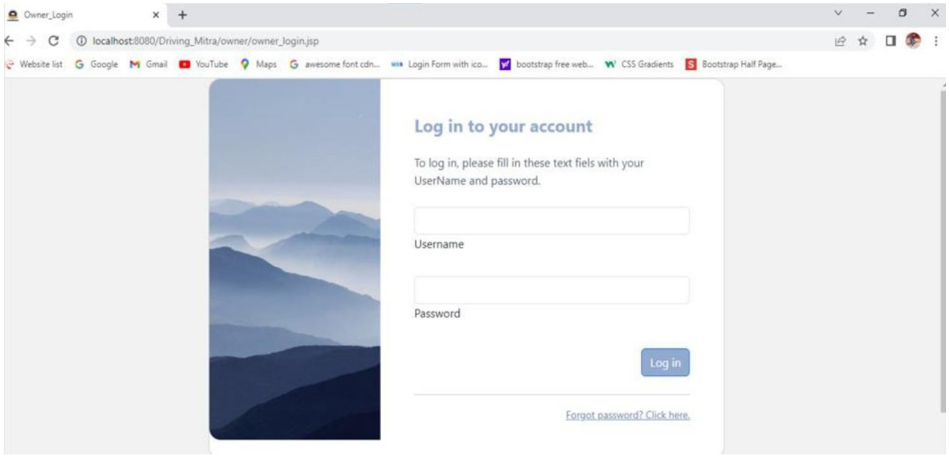
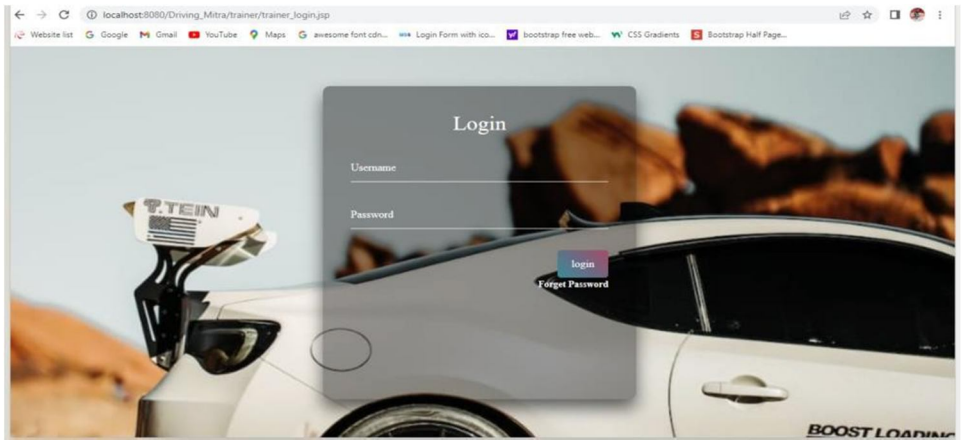


FIG.5.1:- Owners login



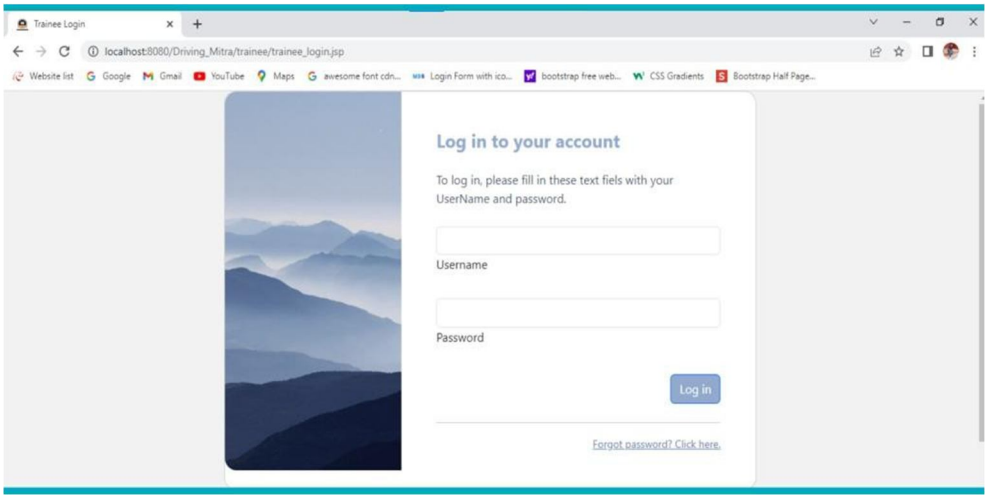


FIG.6.1:- Trainee login

The User login will have the options for registering a new user or for an already existing user to login to his/her previously made account. So the existing user will have to enter their Username in the space given and type in the password for their account to access the services. It also has the option of “Forgot Password” which upon clicking will send a mail on the registered mail id regarding the retrieval or changing of password.

The Admin Login is accessed by the administrator of the application in order to make changes in the database and configuration of users and systems. Admin has privileges to authorized any user by his/her uploaded documents once verified. Thereafter user can start learning.

VI. CONCLUSION

Acquiring training from an adept driving instructor proves to be immensely beneficial in the realm of driving, given the complexity of navigating through various traffic scenarios.

Driving is far from being a simple task, and this portal serves as an invaluable resource for individuals seeking to enhance their skills behind the wheel. The portal goes beyond the basics, offering in-depth insights into essential aspects of driving, such as practicing patience during traffic jams. It provides guidance on how to effectively navigate through congested road situations and emphasizes the importance of remaining composed in such challenging conditions.

Moreover, the portal delves into the intricacies of following traffic signals and rules, ensuring that users gain a comprehensive understanding of the regulations that govern road safety. From deciphering the meaning of different signals to adhering to specified speed limits, the portal leaves no stone unturned in providing clear and detailed explanations. A noteworthy focus of the portal is on elucidating the various precautions that drivers should take while on the road. Whether it's maintaining a safe following distance, using indicators judiciously, or being aware of blind spots, the portal offers practical advice to instill a heightened sense of responsibility and awareness among learners.

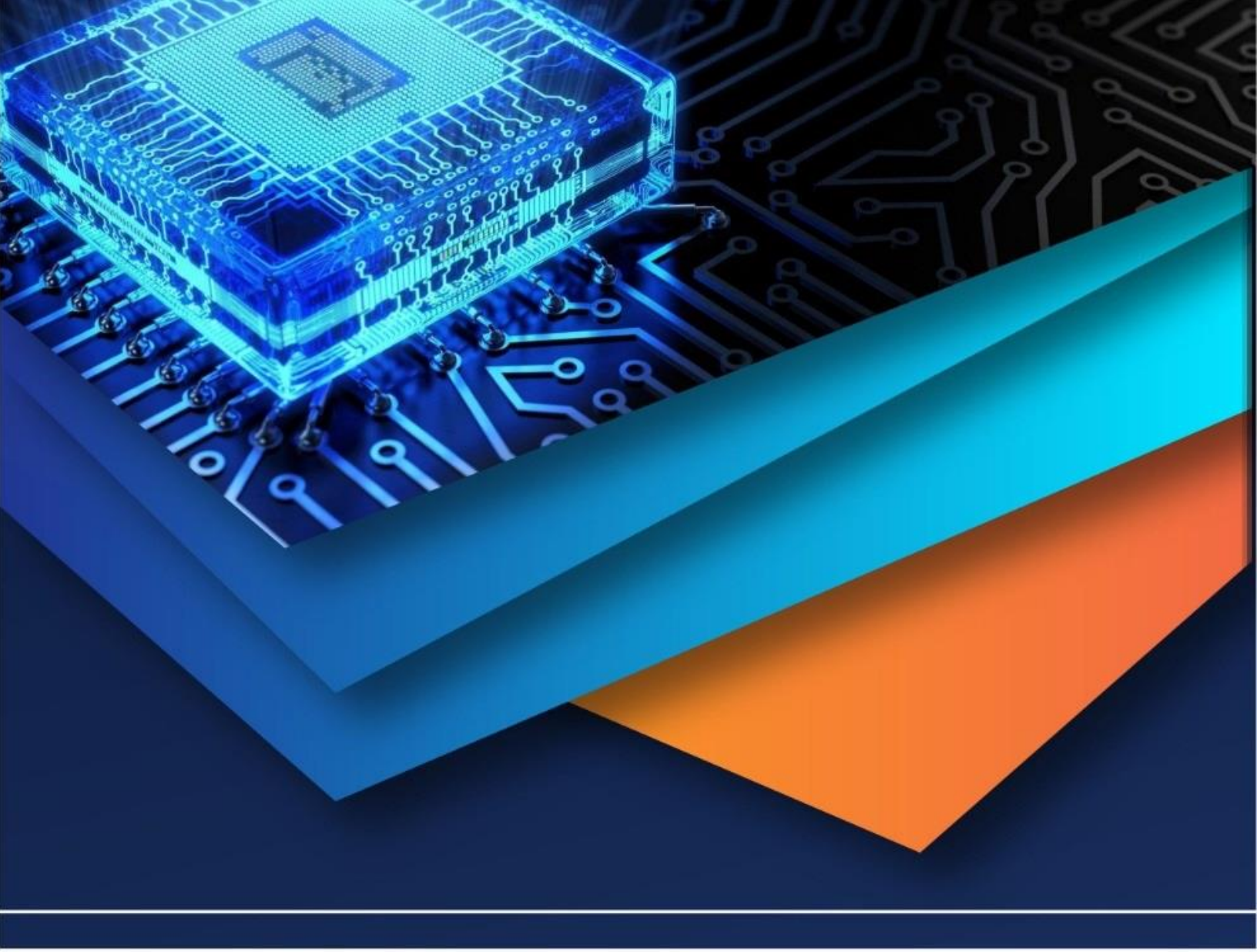
VII. FUTURE SCOPE

The portal not only furnishes information about various driving schools and the services they offer but also envisions expanding its functionality in the future. One prospective enhancement involves incorporating an online servicing request feature for vehicles, streamlining the process for users to schedule and avail maintenance services conveniently through the portal. Furthermore, as a gesture of added value, the portal aims to extend special discounts to individuals undergoing training with the featured driving schools. In a forward-looking approach, the portal contemplates introducing a feature for selling old vehicles. This addition serves as a comprehensive solution, allowing users to not only find driving schools but also facilitating the buying and selling of vehicles in one centralized platform. This expansion aligns with the portal's commitment to providing a holistic experience for individuals involved in the realm of driving, encompassing both education and practical vehicle-related services. In essence, the portal strives to evolve into a multifaceted platform that caters to the diverse needs of individuals interested in driving. By integrating features such as online servicing requests, discounts, and a marketplace for old vehicles, the portal aims to become a one-stop destination for all things related to driving education and vehicle ownership.

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