

# Ridesharing: Web Application for College Students

<sup>1</sup>Ishwar Malode, <sup>2</sup>Tushar Nagarale, <sup>3</sup>Sahil Pawar, <sup>4</sup>Mihir Bagade,  
<sup>5</sup>Ranjana Dahake

<sup>1,2,3,4</sup>BE, <sup>5</sup>Professor  
Dept. of Computer Engineering,  
MET IOE Bhujbal Knowledge City  
Nashik, Maharashtra, India.

*Abstract-* Since information technology has advanced, the approach to web development has undergone a significant transformation. Static information is no longer served by the browser. To deliver dynamic components in the browser, JavaScript is frequently employed. The services of the developer's server transportation are the most popular and widely used way for adaptability, which contributes significantly to the financial turn of events. The browser is evolving into a type of mini operating system that makes use of numerous data sources on the internet. Confidential individuals who similarly use their cars encounter high fuel expenditures, traffic, and other related problems. To enable owners of private automobiles to offer empty seats to different customers, a web-based ridesharing and booking framework is proposed. A system for managing ride booking for two-wheelers has been devised. It is helpful for ride-booking services that are focused on providing rides to clients with locations inside the college network.

*Keywords:* web application, book a ride, send location, smart journey.



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## 1. INTRODUCTION

A virtual ride to manage all online ride-hailing work, a booking management system has been designed. It is helpful for companies who specialize in renting cabs to customers, such as 2-wheeler booking firms. Customers can book a 2-wheeler online very easily using this technology, and 2-wheeler booking agencies can also keep track of their bookings online. Therefore, it is also quite helpful for 2-wheeler rental companies. Customers can examine the available two-wheelers, register them, view their profiles, and make reservations using this online system. For their daily transportation needs, most people call cabs. This project, an online system for reserving two-wheelers, has as its goal and focus on keeping track of user activity. It will make the job easier and need less paper. By offering their two-wheeler for booking through this two-wheeler booking management system, two-wheeler owners may also join forces with two-wheeler booking agencies. A web-based tool called the online 2-wheeler rental management system enables users to make 2-wheeler reservations online. The 2-wheeler rental company or so-called web application may manage all 2-wheeler reservations and client data via this system. Users can reserve 2-wheelers, and the administrator can accept or reject the reservation based on the 2-wheelers and the drivers' availability. We have created this system to establish a web-based system that enables customers to sign up for and reserve a 2-wheeler online and allows the business to run its 2-wheeler hire operation successfully. Currently, all work is done offline by ride-booking agencies. When a customer visits them, they take the booking order and call the 2 Wheeler driver to inquire about availability. If they can secure a 2 Wheeler, they confirm the order; otherwise, they cancel it because they do not have a bike for the booking. This process is time-consuming for both the consumer and the bike booking agency, and it also gives the agency a bad reputation. However, using our system, the biking agency may confirm the order in under a minute by confirming the availability of bikes for booking. To make