

Parking Booking System

Mohan Yelpale¹, Aditi Deore², Achal Jajoo³, Priyanka Dhamal⁴

Professor, Computer Engineering¹

Students, Computer Engineering²⁻⁴

NBN Sinhgad Technical Institutes Campus, Pune, India

Abstract: *This research paper explores the implementation of a Parking Booking System using Java for backend processing, HTML, CSS, and JavaScript for the frontend, and MySQL as the database. The paper discusses the challenges of urban parking, existing solutions, and how a technology-driven approach can optimize parking management. The proposed system integrates real-time booking, availability tracking, and payment processing to enhance user convenience and efficiency. The experimental results show that it effectively reduces congestion and enhances parking allocation. Future advancements such as AI-driven predictions and IoT integrations are also discussed.*

Keywords: Parking management system, real-time parking, Java, slot reservation, parking booking system, urban mobility

