

# **Taxi Management database system**

## **Project Group Number : 5**

### **Background:**

The taxi rental service market has developed significantly in recent years, driven by increased urbanization and rising demand for efficient transportation alternatives. However, efficient management of this dynamic and competitive sector remains a difficulty. To overcome these challenges and improve operational efficiency, we suggest the creation of a complete Taxi Rental Service Management Database System. This system attempts to streamline the whole taxi booking, dispatch, monitoring, and invoicing process, allowing taxi service companies to optimize their operations, improve customer service, and remain ahead in a quickly expanding industry.

### **Mission and Objectives:**

1. **Efficiency Enhancement:** Create a user-friendly platform that streamlines taxi booking, dispatch, and allocation, reducing waiting times and enhancing overall service efficiency.
2. **Fleet Management:** Implement a robust system to monitor and manage the taxi fleet, ensuring timely maintenance and replacement to maintain high-quality service standards.
3. **Customer Satisfaction:** Improve customer experience through real-time tracking, transparent fare estimation, and seamless payment options, fostering loyalty and positive reviews.
4. **Driver Management:** Facilitate driver onboarding, scheduling, and performance evaluation, promoting a motivated and reliable driver workforce.

Our objective is to transform the taxi rental service sector by providing a cutting-edge database management system that empowers service providers, improves client experiences, and promotes operational excellence in an increasingly competitive environment.