The Smart Parking System project faces several constraints that shape the design and potential solutions. Economically, the project operates under a limited budget, relying on freeware and open-source tools. This restricts access to premium software or advanced hardware like high-precision sensors, which could improve the system's accuracy. However, the solution has the potential to contribute to economic development by reducing the time and cost associated with finding parking in busy areas, potentially benefiting local businesses.

Ethical, legal, and security concerns also impact the project. Privacy issues arise from collecting real-time parking data and tracking user locations, requiring strict compliance with data protection laws like GDPR. The system must ensure fairness and avoid creating inequities among different socioeconomic groups. Additionally, strong security measures, such as encryption and secure authentication, are essential to prevent data breaches or unauthorized access. Environmentally, the system aims to reduce vehicle emissions by helping drivers find parking faster, although the deployment of IoT sensors carries a small environmental footprint. Addressing these constraints will help ensure the project is both practical and socially responsible.