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Smart Anti-Theft System for Electric Vehicle

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Abstract: *The Smart Anti-Theft Car System is an innovative project designed to enhance the security features of conventional vehicles and mitigate the risks associated with unauthorized access and theft. In response to the growing challenges of automotive theft, this project introduces a comprehensive and intelligent anti-theft system integrated with cutting-edge technologies. The primary focus is leveraging IoT (Internet of Things) and real-time connectivity to create a robust security framework. The project incorporates various features to provide an advanced and proactive defense against car theft. Key components include GPS tracking, biometric authentication, and smart sensors, all seamlessly integrated into a centralized control system. The system detects suspicious activities and employs preventive measures to thwart theft attempts. In this project, a user-friendly mobile application serves as a central interface, allowing car owners to monitor and control the security status of their vehicles remotely. Real-time alerts and notifications provide instant updates on security breaches, enabling swift response actions. The integration of IoT enables the collection and analysis of data, contributing to the continuous improvement of the system's effectiveness. The Smart Anti-Theft Car System project represents a significant step forward in automotive security, aligning with the contemporary shift towards smart and connected vehicles. The implementation of this system aims to offer car owners peace of mind by providing a proactive, intelligent, and user-centric approach to preventing car theft. This project contributes to the evolving landscape of smart and secure transportation systems by integrating modern technologies*

Keywords: Electric vehicle (EV), Anti-theft system, Smart security, Remote monitoring, Emergency response integration, Vehicle Protection, Theft prevention, Real-time tracking, Mobile app control, GPS tracking, Vehicle security

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