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Scrum Master

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INSTHELPER

20INMCA509 - Mini Project 2

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ABSTRCT

InstHelper is an advanced Flutter Android app aimed at revolutionizing college campus operations through automation and innovative technology integration. The app empowers users with seamless access to a range of functionalities, including Smart Parking, Smart Inventory, Smart Library, Room Navigation, Guest Room Booking, Stock Information, and College Vehicle Management, directly from their smartphones. Utilizing QR code technology, InstHelper enables efficient management of parking spaces, inventory items, navigation, and vehicle details, providing real-time updates to enhance user convenience. One of the standout features of InstHelper is the incorporation of Mixed Reality (MR) within the Smart Library module. This feature leverages augmented reality (AR) to provide immersive navigation experiences, guiding users to locate specific sections and books effortlessly. The MR option enriches the traditional library visit, making it interactive and engaging. For administrators, InstHelper offers a robust web interface to monitor and analyze various metrics. Through this dedicated website, administrators can view graphical representations of data, such as parking usage, inventory status, room bookings, and vehicle information, enabling data-driven decision-making and efficient campus management. Additionally, the College Vehicle Management module allows drivers to add and manage details of college-owned vehicles, including insurance, test dates, and maintenance schedules, while administrators can view and monitor this information. This ensures the efficient management and upkeep of college vehicles, enhancing overall operational efficiency.­