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An App for IoT based Smart Parking System

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Abstract: The increase in population has resulted in an increase in the number of automobiles. This has made the task of finding a parking spot difficult. According to recent studies, about 40% of the traffic volume is made up of vehicles cruising to find a parking spot. The aimless drive-in search for a parking spot can result in traffic congestion, an increase in air pollution and wastage of time and fuel. As an effective solution to this issue, a mobile application for smart parking system is suggested. Using this app a registered user can check the slot availability, view the occupancy prediction for a parking area or book a slot in advance. By this means, both energy and time are saved and if this parking system is implemented in shopping areas, institutions, and airports it can facilitate hassle free parking

Keywords: IoT, Android App, Smart Parking.

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