

ABSTRACT

With so many car users makes the need for parking spaces is needed , particularly in the parking lot of the Faculty of Applied Sciences Telkom University. Nowadays, parking space at FIT is extremely limited, and therefore needed a system that can manage the parking . Which is by detecting position of the vehicle based on the IP that aims to facilitate Administrator to manage parking places.

To build a system that can deliver and manage the information needed a server. Server stores all the information about the availability of parking locations. The system uses GPS technology (Global Positioning System) on the Android Smartphone. Users who use GPS on Android Smartphone, the coordinates are tracked in GPS directly provide the data to the server through the internet. All data stored in the database. In the server the data be managed in order to be a system that can allow Administrator to manage parking.

Keywords : GPS, IP, Android, Visual Basic .