

## ABSTRACT

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*The need for parking for this vehicle has increased both in terms of capacity and the technology used. It is undeniable that the need for parking has become an important thing in everyday life. The purpose of this study is to make it easier to find areas and parking spaces and provide information on the availability of parking and parking slots that can be in real time messages to parking lot users and also this research makes parking barriers that can be opened with RFID that is already registered on the web. In other words, the use of smart parking System. Based on the test results, this system can make it easier for users to determine the place and area of parking and parking schedule using the web to determine the place and area of the parking lot, sensors as input to the parking lot process has been filled, RFID as the input of the process of opening the barrier, as a processor using Arduino, mcu nodes and outpunya using the web. The results to be achieved are the availability of regional information systems and used parking slots and schedule arrangements in and out of the parking lot and parking barriers.*

*Keywords: RFID,Arduino,Internet of things,SENSOR,NODE MCU.*