

## SMART CAR PARKING SYSTEM USING IOT

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In current scenario of today's civilized generation are facing problems related to traffic congestion, contamination due to high populace across the world and also we humans face lot of troubles. The main problem is of high traffic in urban cities where as the car parking is a major hurdle in India. We propose a smart car parking system based on IOT (Internet of Things).The proposed system consists of hardware(NODEMCU ) , camera, IR sensor (Infrared).The user can check the availability of parking slots through a mobile or laptop. The each user has a unique parking slot number so that user can easily identify their car and no need of carrying RFID tags (Radio Frequency Identification).The proposed system overcomes the drawbacks of RFID and user can easily book the slot. This system provides user end – to – end service whereas this reduces the wastage of fuel and moreover, reduces the time. All the information is finally updated through the server.

