

VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY(A): VISAKHAPATNAM
Department of Computer Science and Engineering

2019-2023 Batch B.Tech Major Project

Batch No: IN-A4

Project Title: Automatic Entry/Exit Parking System

Abstract:(150-200 words): In paid parking lots, there will be a person who collects the fee for the vehicle and gives a parking slip. Our idea is to automate this process. Our system is designed in such a way that:

Entry: It first identifies the type of vehicle (2 wheeler/4 wheeler) and tries to extract the Vehicle Registration Number from its number plate. There will be a QR code displayed on the screen for the fee payment. After successful completion of the payment, a Parking Slip having details of Vehicle Registration Number, Type of Vehicle, Date and Time of the Fee Transaction will be printed. In addition to these, a Unique QR code will also be printed on the slip, that has all the previously mentioned details in it. It will be collected by the person and enter into the parking lot.

Exit: There will be a QR Code Scanner, which scans the QR code in the parking slip. Vehicle is permitted to leave the parking lot, only if the details returned matches with the details already present in the Entry List.

Vehicle Registration Number is our Unique Identifier throughout the process. We limit the parking space with a fixed number of vehicles for both 2 wheeler and 4 wheeler. We keep track of the vehicles entering and exiting the parking lot and help to avoid overhead.

Application Domain : Smart Automation

Subject Domain : ML/Pattern Recognition

Guide Comments/Suggestions:

Reg No	Name of Student	Signature
19L31A0504	Chakradhar kamminana	
19L31A0546	Yatheswar Ethalapaka	
19L31A0583	Trisule Kumar Reddy Seelam	
20L35A0502	Pavan kalyan Mahanty	

Name of the Guide : Mrs. Y. Srilatha

Signature of the Guide :

Department Project Review Committee (DRC)

Status: Approved

Reappear

Rejected

Signatures of Committee 1.

2.