SRI KRISHNA INSTITUTIONS

BOOTATHON PROJECT

**VEHICLE PARKING MANAGEMENT SYSTEM**

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**VEHICLE MANGEMENT SYSTEM**

**BUSINESS REQUIREMENTS**

The following are the business requirements of this project

|  |  |  |
| --- | --- | --- |
| S.I | Requirements | status |
| 1 | Login |  |
| 2 | Vehicle details |  |
| 3 | Slot allotment |  |
| 4 | Payment |  |
| 5 | Display |  |

**1.LOGIN**

This section contains the login details.

* The username and password should not exceed 20 characters long.
* String compare checks the username and password.
* If both are matching it displays “Login Successfully” otherwise it displays “Username or Password is incorrect”.

**2.VEHICLE DETAILS**

This section deals with the identification of the vehicle.

* By macros, BIKE and CAR are assigned as 0 and 1.
* According to the type of vehicle the security gives the input.
* The vehicle number is stored in string of 11 characters.
* The entry time is based on the system time which is in 24 hr format.
* Based on the above details token is generated.

**3.SLOT ALLOTMENT**

This section allocates the space for vehicles.

* Based on the token ,the type of vehicle is identified.
* For the Two wheeler parking 5 floors and 50 columns are allocated.
* And for the four wheeler parking 2 rows and 50 columns are allocated.
* If the type is found ,specified space is allocated for its token number.
* A message is displayed when there is no space.

**4.PAYMENT**

This module deals with the amount to be paid.

* All the fields are mandatory.
* The exit time is noted.
* According to entry and exit time of the respective vehicle, the parking fee is generated.

**5.DISPLAY**

This module displays the status of the parking area.

* By Switch case ,various display tasks have been done.
* It displays the entry and exit time log of vehicle.
* It also displays the availabilityof parking space
* All are user demand cases.

**SCREENSHOT:**











