**CHITKARA UNIVERSITY**

**LAB EVALUATION PROJECT**

PROJECT DETAILS TEMPLATE

|  |  |
| --- | --- |
| Group Name | **Group 02** |
| Project Title | VEHICLE PARKING MANAGEMENT SYSTEM |
| Team Leader | RISHABH JAIN(2210990725) |
| Details of Work division | |  |  | | --- | --- | | **Student/Roll no** | **Work / Role Allotted** | | ROHAN KAPOOR(2210990738) | Code for lists and retrieving data from the list. | | RHYTHM TREHAN(2210990722) | **Code for printing results and power point presentation.** | | RISHABH JAIN(2210990725) | **Taking inputs from the user and storing them in the dictionaries and lists.** | |
| High level Approach to be followed: | * THE VEHICLE AND OWNER INFORMATION WITH ALL THE USED AND AVAILABLE PARKING SPOTS WILL BE ADDED TO A LIST. * THE DATA OF SPECIFIC VEHICLE WILL BE FETCHED FROM THE LISTS AND DISPLAYED AT THE TIME OF THE PAYMENT |
| Lower level Approach to be followed: | 1. THE USER WILL BE DISPLAYED WITH THE NUMBER OF VACANT VEHICLE SPACES. 2. THE PARKING FEE STRUCTURE WILL BE DISPLAYED. 3. FURTHER, VEHICLE DETAILS AND GOING IN TIME WILL BE NOTED. 4. THE SYSTEM WOULD TELL THE VACANT SPOTS. 5. AFTER THE PARKING THE OUT TIME WILL BE NOTED. 6. THE FINAL FARE WILL BE THEN DISPLAYED FOR THE USER TO PAY. |
| Advantage of the project with applicability:  Highlight the unique feature(s) of the project if any | 1. The project will help in easy management of parking spaces. 2. It provides necessary guidelines to make the whole parking process smoother. 3. It reduces frustration and enhances the visitor experience. |
| Schedule for implementing the use case: | |  |  | | --- | --- | | **Deliverable** | **Expected Date of Completion** | | User case 1 | 20.12.2022 | | User case 2 | 23.12.2022 | |  |  | |  |  | |
| Future scope of the project | 1. The system can be further developed with integrated payment gateways. 2. Directions to the vacant spots can be added to the system for easy flow of traffic. 3. A user friendly interface can be developed for better application. |

**DOCUMENT HISTORY:**

|  |  |
| --- | --- |
| Created By |  |
| Approved By |  |
| Month of Creation | NOVEMBER 2022 |