

**Post Graduate Diploma in Advanced Computing (PG-DAC)**

**September 2022 Batch**

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| Group Number | Group - 1 |  |
| Guide | Mr.Arpit Jain |  |
| Group Members | 1) Sharad Dilip Kute  2) Morane Rakesh Pandharinath  3) Dhage Manisha Sahebrao  4)Vikas Pandey |  |
| Title | **Car Rental System** |  |
| Objective | * To reduce the effort of booking a car in a conventional procedure. * To ease the search process of a customer who is in need of a car. * To provide services to the customers in order to achieve the best customer satisfaction. * Users who cannot drive or do not have driver license can rent cars with our drivers. * Admin can manage the car catalog by adding or removing cars based on their availability. * Reduced errors with rental data effectively stored in database. * Entire network works on one single platform, seamless flow of data. * Standardization of processes and services ensure clients receive the correct rates. |  |
| Abstract | The Car Rental System is being developed for customers so that they can book their cars from any part of the world. This application takes information from the customers through filling their details. A customer being registered in the website has the facility to book a Car which he requires. The proposed system is completely integrated online systems. It automates manual procedure in an effective and efficient way. This automated system facilitates customer and provides to fill up the details according to their requirements. It includes type of car they are trying to hire and location. The purpose of this system is to develop a web site for the people who can book their Car along with requirements from any part of the world. Car rental system provide car to User in their location on short time.  This software car Rental System has a very user friendly interface. Thus the users will feel very easy to work on it. By using this system admin can manage customer confirm and cancel booking request, customer Testimonials, customer issues. The car information can be added to the system. Or existed car information can be edited or deleted too by Administrator. There is no delay in the availability of any car information, whenever needed, car information can be Captured very quickly and easily. |  |
| Project Architecture |  |  |
| Scope of work | * A car rental is a vehicle that may be rented for a price and utilized for a specific length of time. * Getting a rental automobile makes it easier for people to travel around when they don't have access to their own vehicle or don't own one at all. * A person who needs transportation must call a rental car company and sign a contract. * This method improves client retention while also making car and Employee management more straightforward. * To ease the search process of a customer who is in need of a car. |  |
| Technologies used | Front End: Bootstrap,Javascript5,react js  Back End :Springboot  Hibernate  REST API  Database: MYSQL/Workbench  **IDE** :Spring Tool Suite 3 |  |
| Application | 1 .It provides a user-friendly interface which is easy to use.   1. Updating Products information becomes easier. 2. It gives appropriate access to authorized users depending on   their permissions.   1. The system has sufficient scope for modification in future if necessary. |  |
| Project Timelines  (Total:120 hours) | Time plan of the Project:  1. Abstract  2. ER Diagram and Database  3. Coding  4. Code Testing  5. Project Report |  |