

InstaMech

This project is developed as a user friendly responsive web application to get mechanic services easily. This web application will be developed using latest industrial standard technologies like HTML5, CSS3, JQuery and python. This system mainly focuses on people who immediately need a mechanic, crane service or carriage service. This system consists of list of mechanics, which are available in a particular locality. At the time of registration mechanic, crane and carriage will possess a payment of Rs.100. The registration of all users are verified and approved by system administrator for security reason. At the time of verification, admin can reject any user who submits invalid information. After registration, all verified users will get a secret username and password on their email. They can login to the system with the provided id and password.

Existing system

There is no existing system which provides a mechanic/crane/carriage service instantly. When once on a long journey, and if a breakdown or any other problem occurs, the only way to get help is by calling the nearest mechanic. However this is not always possible if the place, one is travelling is not familiar with that local area. If we are in a hurry, then the only way to reach there is by hiring a taxi.

Proposed System

InstaMech is a system that helps the user when they face any problem to their vehicle during travelling. This system includes five modules. We can find contact details of the nearest service centers, mechanics, crane providers and carriage vehicle providers. The main advantage of this system is, it helps instantly, doesn't matter whether it is day or night. We need not to wander here and there in search of mechanics, crane, etc.

Module Description

Admin: Admin controls the overall function in the website. Admin can login to the website with his respective username and password. He verifies the mechanic/crane providers/user's information like address, name, contact number, email id etc. Admin categorize the mechanic or crane providers or carriage providers based on the mode of registration (paid or free registration). He verifies users complaints, feedback and provides appropriate response.

Mechanic: Mechanic can send registration requests by filling the online registration form which is available in the site. He can login to the website after

admin's verification. Mechanic can update their details like company name, locality and contact number. He can view messages from users and send reply.

Crane:Crane service providers can also register as mechanics do. They can provide the rate details and service details on site. They can view the service requests from users and contact them by using their number or email.

Carriage:Carriage vehicle means , the vehicles that carry another vehicle. They can also register on site and provide their vehicle and driver's details. They can view the service requests from users and contact them by using their phone number or email.

User:Registered user can login to the website and collect the details of mechanics in that locality when they instantly need one. He can view the entire mechanic's profile , crane service and carriage details. He can send feedback and complaints. Users can send service request to carriage/mechanic/crane services.

Software Requirements

- Operating system: Microsoft windows xp / above
- Front End: HTML5, CSS3, JQuery, Bootstrap
- Developing tools: Microsoft Visual Studio code
- Backend :Python
- Database: MySQL

Hardware Requirements

- Processor: Intel Pentium dual core / above
- Hard Disk Space: 40 GB
- Display: 14.1 "Colour Monitor(LCD, CRT or LED)
- Clock speed:1.67