

# **VEHICARE HUB: VEHICLE SERVICE BOOKING SYSTEMS**

## **Abstract:**

VehiCare Hub is a Python-based project that aims to streamline the process of scheduling and managing vehicle maintenance services. This system provides a convenient platform for vehicle owners to book service appointments online and for service providers to efficiently manage their appointments and resources. The system also offers features such as service reminders, service history tracking, and online payment options for a seamless user experience. The proposed system aims to incorporate voice-based status updates for workers, allowing them to conveniently update the status of their work through their voice. By integrating speech recognition functionality, the system provides a seamless and hands-free method for workers to communicate the progress of their tasks.

## **Modules**

### **1. User :**

#### Functionalities

- Create account
- Book / Cancel appointments
- Select Available services
- Search Services
- Track Services done to the vehicle
- Profile Management
- Providing reviews
- Payment (Online / Offline)

### **2. Admin :**

#### Functionalities

- Add Services
- Manage workers
- Manage customer
- Manage appointment
- Access to all work records

- Assign vehicle to workers
- Managing user feedbacks

### 3. Workers :

#### Functionalities

- Vocal Updates
- Edit and manage work history
- Real time service assessments
- Profile Management

### 4. Insurance Advisor :

#### Functionalities

- Insurance Verification
- Claim verification
- Claim approval

### 5. Technology Used :

- Voice Recognition

### **Additional Functionalities (to be included in main)**

- Service History Analysis
- Customer Support and Chatbot
- Service Ratings and Worker Performance
- Emergency Roadside Assistance
- Integration with Vehicle Insurance Providers

In conclusion, the voice-enabled service booking system revolutionizes the service industry, providing a cutting-edge, user-friendly, and efficient platform that benefits vehicle owners, workers, and administrators. By harnessing the potential of NLP and real-time voice updates, this project sets a new standard for service booking systems, showcasing the power of technology to transform traditional processes and elevate customer satisfaction in the automotive service sector.