AUTOCARE CONNECT

23INMCA310 - Mini Project 1

Scrum Master

Ms Nimmy Francis
Assistant Professor
Department of Computer Applications

PRECIOUS BINOY
AJC23MCA-I051
INTMCA2023-28 S6
Roll No. 49

DEPARTMENT OF
COMPUTER APPLICATIONS

ABSTRACT

AUTOCARE CONNECT

AutoCare Connect is a comprehensive web-based Car Workshop Management System developed to streamline and digitalize the complete interaction between customers and automobile workshops. The system is designed to address real-world challenges such as time constraints, communication gaps, difficulty in monitoring service progress, and the absence of reliable vehicle pickup and delivery support. By offering an online platform, AutoCare Connect enables customers to conveniently manage all vehicle service activities without visiting the workshop.

The application is built using PHP for backend processing, MySQL for structured data storage, and HTML, CSS, Bootstrap, and JavaScript to provide a clean, responsive, and intuitive user interface. These technologies ensure smooth navigation, consistent performance, and a user-friendly experience across all modules.

To support a complete digital workflow, AutoCare Connect includes dedicated modules for each type of user involved in the service process:

Customer

- Registers into the system and adds vehicle details
- Books service appointments with pickup options
- Tracks real-time service updates
- Views invoices and service history

Driver

- Receives assigned pickup and delivery tasks
- Navigates to customer locations
- Updates pickup and delivery status
- Confirms vehicle collection and handover

Mechanic

- Views assigned repair tasks
- Updates service progress step-by-step
- Records faults, repair notes, and replaced parts
- Marks service as completed

DEPARTMENT OF
COMPUTER APPLICATIONS

Admin

- Manages user accounts and vehicle data

- Assigns drivers and mechanics

- Oversees service bookings and workflow

- Generates invoices and maintains reports

Through these coordinated user roles, the system includes an integrated pickup and delivery module where designated drivers collect and return vehicles, ensuring maximum convenience. Mechanics update service progress, while the admin panel monitors and manages the entire workflow effectively. Customers receive real-time updates, maintaining transparency throughout the service cycle.

AutoCare Connect enhances the modern automotive service experience by delivering convenience, transparency, and efficiency. It bridges the gap between customers and workshops, improves operational workflow, and ensures a more organized and reliable service ecosystem.

**DEPARTMENT OF
COMPUTER APPLICATIONS**